MITSUBISHI ELECTRIC

Numerical Protection Relay

MELPRO™-D Series

Modbus Register Map for TYPE CAC1-A41D1

Attachment-1 MODBUS Address Map

Coil Map　　Address Range (1 to 9999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
0	15	0001	Forced DO action setting DO1	Activate	x	0	1	No Unit	Digital Value	With a "Forced DO control setting" request from the master station as Function Code: 15, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 0001+16*i • Number of access points = 16*j • i+j<=2 (i=0 to 1, j=1 to 2) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. • Reserved is fixed as 0. This is a usage prohibited area when adding models. (If a value other than 0 arrives, it will not be reflected.)
1		0002	Forced DO action setting DO2	Activate	x	0	1	No Unit	Digital Value	
2		0003	Forced DO action setting DO3	Activate	x	0	1	No Unit	Digital Value	
3		0004	Forced DO action setting DO4	Activate	x	0	1	No Unit	Digital Value	
4		0005	Forced DO action setting DO5	Activate	x	0	1	No Unit	Digital Value	
5		0006	Forced DO action setting DO6	Activate	x	0	1	No Unit	Digital Value	
6		0007	Forced DO action setting DO7	Activate	x	0	1	No Unit	Digital Value	
7		0008	Forced DO action setting DO8	Activate	x	0	1	No Unit	Digital Value	
8		0009	(Reserved)			0	0			
9		0010	(Reserved)			0	0			
10		0011	(Reserved)			0	0			
11		0012	(Reserved)			0	0			
12		0013	(Reserved)			0	0			
13		0014	(Reserved)			0	0			
14		0015	(Reserved)			0	0			
15		0016	(Reserved)			0	0			
16		0017	(Reserved)			0	0			
17		0018	(Reserved)			0	0			
18		0019	(Reserved)			0	0			
19		0020	(Reserved)			0	0			
20		0021	(Reserved)			0	0			
21		0022	(Reserved)			0	0			
22		0023	(Reserved)			0	0			
23		0024	(Reserved)			0	0			
24		0025	(Reserved)			0	0			
25		0026	(Reserved)			0	0			
26		0027	(Reserved)			0	0			
27		0028	(Reserved)			0	0			
28		0029	(Reserved)			0	0			
29		0030	(Reserved)			0	0			
30		0031	(Reserved)			0	0			
31		0032	(Reserved)			0	0			
32	15	0033	Start forced DO action operation DO1	Activate	x	0	1	No Unit	Digital Value	With a "Start forced action operation" request from the master station as Function Code: 15, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 0033+16*i • Number of access points = 16*j • i+j<=2 (i=0 to 1, j=1 to 2) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. • Reserved is fixed as 0. This is a usage prohibited area when adding models. (If a value other than 0 arrives, it will not be reflected.)
33		0034	Start forced DO action operation DO2	Activate	x	0	1	No Unit	Digital Value	
34		0035	Start forced DO action operation D03	Activate	x	0	1	No Unit	Digital Value	
35		0036	Start forced DO action operation D04	Activate	x	0	1	No Unit	Digital Value	
36		0037	Start forced DO action operation D05	Activate	x	0	1	No Unit	Digital Value	
37		0038	Start forced DO action operation D06	Activate	x	0	1	No Unit	Digital Value	
38		0039	Start forced DO action operation D07	Activate	x	0	1	No Unit	Digital Value	
39		0040	Start forced DO action operation D08	Activate	x	0	1	No Unit	Digital Value	
40		0041	(Reserved)			0	0			
41		0042	(Reserved)			0	0			
42		0043	(Reserved)			0	0			
43		0044	(Reserved)			0	0			
44		0045	(Reserved)			0	0			
45		0046	(Reserved)			0	0			
46		0047	(Reserved)			0	0			
47		0048	(Reserved)			0	0			
48		0049	(Reserved)			0	0			
49		0050	(Reserved)			0	0			
50		0051	(Reserved)			0	0			
51		0052	(Reserved)			0	0			
52		0053	(Reserved)			0	0			
53		0054	(Reserved)			0	0			
54		0055	(Reserved)			0	0			
55		0056	(Reserved)			0	0			
56		0057	(Reserved)			0	0			
57		0058	(Reserved)			0	0			
58		0059	(Reserved)			0	0			
59		0060	(Reserved)			0	0			
60		0061	(Reserved)			0	0			
61		0062	(Reserved)			0	0			
62		0063	(Reserved)			0	0			
63		0064	(Reserved)			0	0			
64	15	0065	Test mode setting 1 monitor lock	On	Off	0	1	No Unit	Digital Value	With a "Test mode setting" request from the master station as Function Code: 15, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 0065+16*i • Number of access points = 16*j • i+j<=4 (i=0 to 4, j=1 to 4) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. • Reserved is fixed as 0. (If a value other than 0 arrives, it will not be reflected.)
65		0066	Test mode setting 2 trip counter lock	On	Off	0	1	No Unit	Digital Value	
66		0067	Test mode setting 3 THOL test	On	Off	0	1	No Unit	Digital Value	
67		0068	(Reserved)			0	0			
68		0069	(Reserved)			0	0			
69		0070	(Reserved)			0	0			
70		0071	(Reserved)			0	0			
71		0072	(Reserved)			0	0			
72		0073	(Reserved)			0	0			
73		0074	(Reserved)			0	0			
74		0075	(Reserved)			0	0			
75		0076	(Reserved)			0	0			
76		0077	(Reserved)			0	0			
77		0078	(Reserved)			0	0			
78		0079	(Reserved)			0	0			
79		0080	(Reserved)			0	0			
80		0081	(Reserved)			0	0			
81		0082	(Reserved)			0	0			
82		0083	(Reserved)			0	0			
83		0084	(Reserved)			0	0			
84		0085	(Reserved)			0	0			
85		0086	(Reserved)			0	0			
86		0087	(Reserved)			0	0			
87		0088	(Reserved)			0	0			
88		0089	(Reserved)			0	0			
89		0090	(Reserved)			0	0			
90		0091	(Reserved)			0	0			
91		0092	(Reserved)			0	0			
92		0093	(Reserved)			0	0			
93		0094	(Reserved)			0	0			
94		0095	(Reserved)			0	0			
95		0096	(Reserved)			0	0			
96		0097	(Reserved)			0	0			
97		0098	(Reserved)			0	0			
98		0099	(Reserved)			0	0			
99		0100	(Reserved)			0	0			
100		0101	(Reserved)			0	0			
101		0102	(Reserved)			0	0			
102		0103	(Reserved)			0	0			
103		0104	(Reserved)			0	0			
104		0105	(Reserved)			0	0			
105		0106	(Reserved)			0	0			
106		0107	(Reserved)			0	0			
107		0108	(Reserved)			0	0			
108		0109	(Reserved)			0	0			
109		0110	(Reserved)			0	0			
110		0111	(Reserved)			0	0			
111		0112	(Reserved)			0	0			
112		0113	(Reserved)			0	0			
113		0114	(Reserved)			0	0			
114		0115	(Reserved)			0	0			
115		0116	(Reserved)			0	0			
116		0117	(Reserved)			0	0			
117		0118	(Reserved)			0	0			
118		0119	(Reserved)			0	0			
119		0120	(Reserved)			0	0			
120		0121	(Reserved)			0	0			
121		0122	(Reserved)			0	0			
122		0123	(Reserved)			0	0			
123		0124	(Reserved)			0	0			
124		0125	(Reserved)			0	0			
125		0126	(Reserved)			0	0			
126		0127	(Reserved)			0	0			
127		0128	(Reserved)			0	0			

Coil Map　　Address Range (1 to 9999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
128	15	0129	Start test mode operation 1: Monitor lock	On	Off	0	1	No Unit	Digital Value	With a "Start test mode operation" request from the master station as Function Code: 15, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 0129+16*i • Number of access points = 16*j • i+j<=4 (i=0 to 3, j=1 to 4) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. • Reserved is fixed as 0. (If a value other than 0 arrives, it will not be reflected.)
129		0130	Start test mode operation 2: Trip counter lock	On	Off	0	1	No Unit	Digital Value	
130		0131	Start test mode operation 3: UC THOL test	On	Off	0	1	No Unit	Digital Value	
131		0132	(Reserved)			0	0			
132		0133	(Reserved)			0	0			
133		0134	(Reserved)			0	0			
134		0135	(Reserved)			0	0			
135		0136	(Reserved)			0	0			
136		0137	(Reserved)			0	0			
137		0138	(Reserved)			0	0			
138		0139	(Reserved)			0	0			
139		0140	(Reserved)			0	0			
140		0141	(Reserved)			0	0			
141		0142	(Reserved)			0	0			
142		0143	(Reserved)			0	0			
143		0144	(Reserved)			0	0			
144		0145	(Reserved)			0	0			
145		0146	(Reserved)			0	0			
146		0147	(Reserved)			0	0			
147		0148	(Reserved)			0	0			
148		0149	(Reserved)			0	0			
149		0150	(Reserved)			0	0			
150		0151	(Reserved)			0	0			
151		0152	(Reserved)			0	0			
152		0153	(Reserved)			0	0			
153		0154	(Reserved)			0	0			
154		0155	(Reserved)			0	0			
155		0156	(Reserved)			0	0			
156		0157	(Reserved)			0	0			
157		0158	(Reserved)			0	0			
158		0159	(Reserved)			0	0			
159		0160	(Reserved)			0	0			
160		0161	(Reserved)			0	0			
161		0162	(Reserved)			0	0			
162		0163	(Reserved)			0	0			
163		0164	(Reserved)			0	0			
164		0165	(Reserved)			0	0			
165		0166	(Reserved)			0	0			
166		0167	(Reserved)			0	0			
167		0168	(Reserved)			0	0			
168		0169	(Reserved)			0	0			
169		0170	(Reserved)			0	0			
170		0171	(Reserved)			0	0			
171		0172	(Reserved)			0	0			
172		0173	(Reserved)			0	0			
173		0174	(Reserved)			0	0			
174		0175	(Reserved)			0	0			
175		0176	(Reserved)			0	0			
176		0177	(Reserved)			0	0			
177		0178	(Reserved)			0	0			
178		0179	(Reserved)			0	0			
179		0180	(Reserved)			0	0			
180		0181	(Reserved)			0	0			
181		0182	(Reserved)			0	0			
182		0183	(Reserved)			0	0			
183		0184	(Reserved)			0	0			
184		0185	(Reserved)			0	0			
185		0186	(Reserved)			0	0			
186		0187	(Reserved)			0	0			
187		0188	(Reserved)			0	0			
188		0189	(Reserved)			0	0			
189		0190	(Reserved)			0	0			
190		0191	(Reserved)			0	0			
191		0192	(Reserved)			0	0			
192	15	0193	(Reserved)							
193		0194	(Reserved)							
194		0195	(Reserved)							
195		0196	(Reserved)							
196		0197	(Reserved)							
197		0198	(Reserved)							
198		0199	(Reserved)							
199		0200	(Reserved)							
200		0201	(Reserved)							
201		0202	(Reserved)							
202		0203	(Reserved)							
203		0204	(Reserved)							
204		0205	(Reserved)							
205		0206	(Reserved)							
206		0207	(Reserved)							
207		0208	(Reserved)							
208		0209	(Reserved)							
209		0210	(Reserved)							
210		0211	(Reserved)							
211		0212	(Reserved)							
212		0213	(Reserved)							
213		0214	(Reserved)							
214		0215	(Reserved)							
215		0216	(Reserved)							
216		0217	(Reserved)							
217		0218	(Reserved)							
218		0219	(Reserved)							
219		0220	(Reserved)							
220		0221	(Reserved)							
221		0222	(Reserved)							
222		0223	(Reserved)							
223		0224	(Reserved)							
224		0225	(Reserved)							
225		0226	(Reserved)							
226		0227	(Reserved)							
227		0228	(Reserved)							
228		0229	(Reserved)							
229		0230	(Reserved)							
230		0231	(Reserved)							
231		0232	(Reserved)							
232		0233	(Reserved)							
233		0234	(Reserved)							
234		0235	(Reserved)							
235		0236	(Reserved)							
236		0237	(Reserved)							
237		0238	(Reserved)							
238		0239	(Reserved)							
239		0240	(Reserved)							
240		0241	(Reserved)							
241		0242	(Reserved)							
242		0243	(Reserved)							
243		0244	(Reserved)							
244		0245	(Reserved)							
245		0246	(Reserved)							
246		0247	(Reserved)							
247		0248	(Reserved)							
248		0249	(Reserved)							
249		0250	(Reserved)							
250		0251	(Reserved)							
251		0252	(Reserved)							
252		0253	(Reserved)							
253		0254	(Reserved)							
254		0255	(Reserved)							
255		0256	(Reserved)							

Coil Map Address Range (1 to 9999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
256	15	0257	(Reserved)							
257		0258	(Reserved)							
258		0259	(Reserved)							
259		0260	(Reserved)							
260		0261	(Reserved)							
261		0262	(Reserved)							
262		0263	(Reserved)							
263		0264	(Reserved)							
264		0265	(Reserved)							
265		0266	(Reserved)							
266		0267	(Reserved)							
267		0268	(Reserved)							
268		0269	(Reserved)							
269		0270	(Reserved)							
270		0271	(Reserved)							
271		0272	(Reserved)							
272		0273	(Reserved)							
273		0274	(Reserved)							
274		0275	(Reserved)							
275		0276	(Reserved)							
276		0277	(Reserved)							
277		0278	(Reserved)							
278		0279	(Reserved)							
279		0280	(Reserved)							
280		0281	(Reserved)							
281		0282	(Reserved)							
282		0283	(Reserved)							
283		0284	(Reserved)							
284		0285	(Reserved)							
285		0286	(Reserved)							
286		0287	(Reserved)							
287		0288	(Reserved)							
288		0289	(Reserved)							
289		0290	(Reserved)							
290		0291	(Reserved)							
291		0292	(Reserved)							
292		0293	(Reserved)							
293		0294	(Reserved)							
294		0295	(Reserved)							
295		0296	(Reserved)							
296		0297	(Reserved)							
297		0298	(Reserved)							
298		0299	(Reserved)							
299		0300	(Reserved)							
300		0301	(Reserved)							
301		0302	(Reserved)							
302		0303	(Reserved)							
303		0304	(Reserved)							
304		0305	(Reserved)							
305		0306	(Reserved)							
306		0307	(Reserved)							
307		0308	(Reserved)							
308		0309	(Reserved)							
309		0310	(Reserved)							
310		0311	(Reserved)							
311		0312	(Reserved)							
312		0313	(Reserved)							
313		0314	(Reserved)							
314		0315	(Reserved)							
315		0316	(Reserved)							
316		0317	(Reserved)							
317		0318	(Reserved)							
318		0319	(Reserved)							
319		0320	(Reserved)							
320		0321	(Reserved)							
321		0322	(Reserved)							
322		0323	(Reserved)							
323		0324	(Reserved)							
324		0325	(Reserved)							
325		0326	(Reserved)							
326		0327	(Reserved)							
327		0328	(Reserved)							
328		0329	(Reserved)							
329		0330	(Reserved)							
330		0331	(Reserved)							
331		0332	(Reserved)							
332		0333	(Reserved)							
333		0334	(Reserved)							
334		0335	(Reserved)							
335		0336	(Reserved)							
336		0337	(Reserved)							
337		0338	(Reserved)							
338		0339	(Reserved)							
339		0340	(Reserved)							
340		0341	(Reserved)							
341		0342	(Reserved)							
342		0343	(Reserved)							
343		0344	(Reserved)							
344		0345	(Reserved)							
345		0346	(Reserved)							
346		0347	(Reserved)							
347		0348	(Reserved)							
348		0349	(Reserved)							
349		0350	(Reserved)							
350		0351	(Reserved)							
351		0352	(Reserved)							
352		0353	(Reserved)							
353		0354	(Reserved)							
354		0355	(Reserved)							
355		0356	(Reserved)							
356		0357	(Reserved)							
357		0358	(Reserved)							
358		0359	(Reserved)							
359		0360	(Reserved)							
360		0361	(Reserved)							
361		0362	(Reserved)							
362		0363	(Reserved)							
363		0364	(Reserved)							
364		0365	(Reserved)							
365		0366	(Reserved)							
366		0367	(Reserved)							
367		0368	(Reserved)							
368		0369	(Reserved)							
369		0370	(Reserved)							
370		0371	(Reserved)							
371		0372	(Reserved)							
372		0373	(Reserved)							
373		0374	(Reserved)							
374		0375	(Reserved)							
375		0376	(Reserved)							
376		0377	(Reserved)							
377		0378	(Reserved)							
378		0379	(Reserved)							
379		0380	(Reserved)							
380		0381	(Reserved)							
381		0382	(Reserved)							

Coil Map　　Address Range (1 to 9999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
382	15	0383	(Reserved)							
383		0384	(Reserved)							
384		0385	LED reset setting	Activate	x	0	1	No Unit	Digital Value	(Note 1)
385		0386	Erase event records setting	Activate	x	0	1	No Unit	Digital Value	(Note 1)
386		0387	Erase monitoring error data setting	Activate	x	0	1	No Unit	Digital Value	(Note 1)
387		0388	(Reserved)							
388		0389	Erase accident records setting	Activate	x	0	1	No Unit	Digital Value	(Note 1)
389		0390	(Reserved)							
390		0391	Get event records	Activate	x	0	1	No Unit	Digital Value	(Note 2)
391		0392	Get monitoring error records	Activate	x	0	1	No Unit	Digital Value	(Note 2)
392		0393	Get access records	Activate	x	0	1	No Unit	Digital Value	(Note 2)
393		0394	Get accident records	Activate	x	0	1	No Unit	Digital Value	(Note 3)
394		0395	CB close control setting	Activate	x	0	1	No Unit	Digital Value	
395		0396	CB open control setting	Activate	x	0	1	No Unit	Digital Value	
396		0397	CB close control operation	Activate	x	0	1	No Unit	Digital Value	
397		0398	CB open control operation	Activate	x	0	1	No Unit	Digital Value	

Note 1:
With a request from the master station as Function Code: 15, the slave will respond with (MODBUS send) 05: ACKNOWLEDGE(ACK).

On MODBUS:
• Start address = Each address
• Number of access points = 1
→ When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.

If another request comes from the master after the "Start operation" request has been issued but before the relay's response has completed, the slave will respond with (MODBUS send) 07: NEGATIVE ACKNOWLEDGE.

Note 2:
With a request from the master station as Function Code: 15, the slave will respond with (MODBUS send) 05: ACKNOWLEDGE(ACK).

On MODBUS:
• Start address = Each address
• Number of access points = 1
Fixed value.
→ When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.

If another request comes from the master after a request has been issued but before the relay's response has completed, the slave will respond with (MODBUS send) 07: NEGATIVE ACKNOWLEDGE.
If an error has occurred (recording) when the request was issued, return the error status with check get request for each record.

Note 3:
With a request from the master station as Function Code: 15, the slave will respond with (MODBUS send) 05: ACKNOWLEDGE(ACK).

On MODBUS:
• Start address = 0394
• Number of access points = 1
Fixed value.
→ When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.

If another request comes from the master after a request has been issued but before the relay's response has completed, the slave will respond with (MODBUS send) 07: NEGATIVE ACKNOWLEDGE.
If an error has occurred (tripped) when the request was issued, return the error status with check accident record get request (address 39813).

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
0	2	10001	For exclusive use of manufacturer							With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
1		10002	For exclusive use of manufacturer							
2		10003	For exclusive use of manufacturer							
3		10004	For exclusive use of manufacturer							
4		10005	For exclusive use of manufacturer							
5		10006	For exclusive use of manufacturer							
6		10007	For exclusive use of manufacturer							
7		10008	For exclusive use of manufacturer							
8		10009	For exclusive use of manufacturer							
9		10010	For exclusive use of manufacturer							
10		10011	For exclusive use of manufacturer							
11		10012	For exclusive use of manufacturer							
12		10013	For exclusive use of manufacturer							
13		10014	For exclusive use of manufacturer							
14		10015	For exclusive use of manufacturer							
15		10016	For exclusive use of manufacturer							
16		10017	For exclusive use of manufacturer							
17		10018	For exclusive use of manufacturer							
18		10019	For exclusive use of manufacturer							
19		10020	For exclusive use of manufacturer							
20		10021	For exclusive use of manufacturer							
21		10022	For exclusive use of manufacturer							
22		10023	For exclusive use of manufacturer							
23		10024	For exclusive use of manufacturer							
24		10025	For exclusive use of manufacturer							
25		10026	For exclusive use of manufacturer							
26		10027	For exclusive use of manufacturer							
27		10028	For exclusive use of manufacturer							
28		10029	For exclusive use of manufacturer							
29		10030	For exclusive use of manufacturer							
30		10031	For exclusive use of manufacturer							
31		10032	For exclusive use of manufacturer							
32		10033	For exclusive use of manufacturer							
33		10034	For exclusive use of manufacturer							
34		10035	For exclusive use of manufacturer							
35		10036	For exclusive use of manufacturer							
36		10037	For exclusive use of manufacturer							
37		10038	For exclusive use of manufacturer							
38		10039	For exclusive use of manufacturer							
39		10040	For exclusive use of manufacturer							
40		10041	For exclusive use of manufacturer							
41		10042	For exclusive use of manufacturer							
42		10043	For exclusive use of manufacturer							
43		10044	For exclusive use of manufacturer							
44		10045	For exclusive use of manufacturer							
45		10046	For exclusive use of manufacturer							
46		10047	For exclusive use of manufacturer							
47		10048	For exclusive use of manufacturer							
48		10049	For exclusive use of manufacturer							
49		10050	For exclusive use of manufacturer							
50		10051	For exclusive use of manufacturer							
51		10052	For exclusive use of manufacturer							
52		10053	For exclusive use of manufacturer							
53		10054	For exclusive use of manufacturer							
54		10055	For exclusive use of manufacturer							
55		10056	For exclusive use of manufacturer							
56		10057	For exclusive use of manufacturer							
57		10058	For exclusive use of manufacturer							
58		10059	For exclusive use of manufacturer							
59		10060	For exclusive use of manufacturer							
60		10061	For exclusive use of manufacturer							
61		10062	For exclusive use of manufacturer							
62		10063	For exclusive use of manufacturer							
63		10064	For exclusive use of manufacturer							
64		10065	For exclusive use of manufacturer							
65		10066	For exclusive use of manufacturer							
66		10067	For exclusive use of manufacturer							
67		10068	For exclusive use of manufacturer							
68		10069	For exclusive use of manufacturer							
69		10070	For exclusive use of manufacturer							
70		10071	For exclusive use of manufacturer							
71		10072	For exclusive use of manufacturer							
72		10073	For exclusive use of manufacturer							
73		10074	For exclusive use of manufacturer							
74		10075	For exclusive use of manufacturer							
75		10076	For exclusive use of manufacturer							
76		10077	For exclusive use of manufacturer							
77		10078	For exclusive use of manufacturer							
78		10079	For exclusive use of manufacturer							
79		10080	For exclusive use of manufacturer							
80		10081	For exclusive use of manufacturer							
81		10082	For exclusive use of manufacturer							
82		10083	For exclusive use of manufacturer							
83		10084	For exclusive use of manufacturer							
84		10085	For exclusive use of manufacturer							
85		10086	For exclusive use of manufacturer							
86		10087	For exclusive use of manufacturer							
87		10088	For exclusive use of manufacturer							
88		10089	For exclusive use of manufacturer							
89		10090	For exclusive use of manufacturer							
90		10091	For exclusive use of manufacturer							
91		10092	For exclusive use of manufacturer							
92		10093	For exclusive use of manufacturer							
93		10094	For exclusive use of manufacturer							
94		10095	For exclusive use of manufacturer							
95		10096	For exclusive use of manufacturer							
96		10097	For exclusive use of manufacturer							
97		10098	For exclusive use of manufacturer							
98		10099	For exclusive use of manufacturer							
99		10100	For exclusive use of manufacturer							
100		10101	For exclusive use of manufacturer							
101		10102	For exclusive use of manufacturer							
102		10103	For exclusive use of manufacturer							
103		10104	For exclusive use of manufacturer							
104		10105	For exclusive use of manufacturer							
105		10106	For exclusive use of manufacturer							
106		10107	For exclusive use of manufacturer							
107		10108	For exclusive use of manufacturer							
108		10109	For exclusive use of manufacturer							
109		10110	For exclusive use of manufacturer							
110		10111	For exclusive use of manufacturer							
111		10112	For exclusive use of manufacturer							
112		10113	For exclusive use of manufacturer							
113		10114	For exclusive use of manufacturer							
114		10115	For exclusive use of manufacturer							
115		10116	For exclusive use of manufacturer							
116		10117	For exclusive use of manufacturer							
117		10118	For exclusive use of manufacturer							
118		10119	For exclusive use of manufacturer							
119		10120	For exclusive use of manufacturer							
120		10121	For exclusive use of manufacturer							
121		10122	For exclusive use of manufacturer							
122		10123	For exclusive use of manufacturer							
123		10124	For exclusive use of manufacturer							
124		10125	For exclusive use of manufacturer							
125		10126	For exclusive use of manufacturer							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
126	2	10127	For exclusive use of manufacturer							With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
127		10128	For exclusive use of manufacturer							
128		10129	DI1 status	On	Off	0	1	ON/OFF	Digital Input	
129		10130	DI2 status	On	Off	0	1	ON/OFF	Digital Input	
130		10131	DI3 status	On	Off	0	1	ON/OFF	Digital Input	
131		10132	DI4 status	On	Off	0	1	ON/OFF	Digital Input	
132		10133	DI5 status	On	Off	0	1	ON/OFF	Digital Input	
133		10134	DI6 status	On	Off	0	1	ON/OFF	Digital Input	
134		10135	DI7 status	On	Off	0	1	ON/OFF	Digital Input	
135		10136	DI8 status	On	Off	0	1	ON/OFF	Digital Input	
136		10137	For exclusive use of manufacturer							
137		10138	For exclusive use of manufacturer							
138		10139	For exclusive use of manufacturer							
139		10140	For exclusive use of manufacturer							
140		10141	For exclusive use of manufacturer							
141		10142	For exclusive use of manufacturer							
142		10143	For exclusive use of manufacturer							
143		10144	(Reserved)							
144		10145	(Reserved)							
145		10146	(Reserved)							
146		10147	(Reserved)							
147		10148	(Reserved)							
148		10149	(Reserved)							
149		10150	(Reserved)							
150		10151	(Reserved)							
151		10152	(Reserved)							
152		10153	(Reserved)							
153		10154	(Reserved)							
154		10155	(Reserved)							
155		10156	(Reserved)							
156		10157	(Reserved)							
157		10158	(Reserved)							
158		10159	(Reserved)							
159		10160	(Reserved)							
160		10161	(Reserved)							
161		10162	(Reserved)							
162		10163	(Reserved)							
163		10164	(Reserved)							
164		10165	(Reserved)							
165		10166	(Reserved)							
166		10167	(Reserved)							
167		10168	(Reserved)							
168		10169	(Reserved)							
169		10170	(Reserved)							
170		10171	(Reserved)							
171		10172	(Reserved)							
172		10173	(Reserved)							
173		10174	(Reserved)							
174		10175	(Reserved)							
175		10176	(Reserved)							
176		10177	(Reserved)							
177		10178	(Reserved)							
178		10179	(Reserved)							
179		10180	(Reserved)							
180		10181	(Reserved)							
181		10182	(Reserved)							
182		10183	(Reserved)							
183		10184	(Reserved)							
184		10185	(Reserved)							
185		10186	(Reserved)							
186		10187	(Reserved)							
187		10188	(Reserved)							
188		10189	(Reserved)							
189		10190	(Reserved)							
190		10191	(Reserved)							
191		10192	(Reserved)							
192		10193	DO1 status	On	Off	0	1	ON/OFF	Digital Input	
193		10194	DO2 status	On	Off	0	1	ON/OFF	Digital Input	
194		10195	DO3 status	On	Off	0	1	ON/OFF	Digital Input	
195		10196	DO4 status	On	Off	0	1	ON/OFF	Digital Input	
196		10197	DO5 status	On	Off	0	1	ON/OFF	Digital Input	
197		10198	DO6 status	On	Off	0	1	ON/OFF	Digital Input	
198		10199	DO7 status	On	Off	0	1	ON/OFF	Digital Input	
199		10200	DO8 status	On	Off	0	1	ON/OFF	Digital Input	
200		10201	(Reserved)							
201		10202	(Reserved)							
202		10203	(Reserved)							
203		10204	(Reserved)							
204		10205	(Reserved)							
205		10206	(Reserved)							
206		10207	(Reserved)							
207		10208	All DO OR	On	Off	0	1	ON/OFF	Digital Input	
208		10209	(Reserved)							
209		10210	(Reserved)							
210		10211	(Reserved)							
211		10212	(Reserved)							
212		10213	(Reserved)							
213		10214	(Reserved)							
214		10215	(Reserved)							
215		10216	(Reserved)							
216		10217	(Reserved)							
217		10218	(Reserved)							
218		10219	(Reserved)							
219		10220	(Reserved)							
220		10221	(Reserved)							
221		10222	(Reserved)							
222		10223	(Reserved)							
223		10224	(Reserved)							
224		10225	(Reserved)							
225		10226	(Reserved)							
226		10227	(Reserved)							
227		10228	(Reserved)							
228		10229	(Reserved)							
229		10230	(Reserved)							
230		10231	(Reserved)							
231		10232	(Reserved)							
232		10233	(Reserved)							
233		10234	(Reserved)							
234		10235	(Reserved)							
235		10236	(Reserved)							
236		10237	(Reserved)							
237		10238	(Reserved)							
238		10239	(Reserved)							
239		10240	(Reserved)							
240		10241	(Reserved)							
241		10242	(Reserved)							
242		10243	(Reserved)							
243		10244	(Reserved)							
244		10245	(Reserved)							
245		10246	(Reserved)							
246		10247	(Reserved)							
247		10248	(Reserved)							
248		10249	(Reserved)							
249		10250	(Reserved)							
250		10251	(Reserved)							
251		10252	(Reserved)							
252		10253	(Reserved)							
253		10254	(Reserved)							
254		10255	(Reserved)							
255		10256	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
256	2	10257	(Reserved)							With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
257		10258	(Reserved)							
258		10259	(Reserved)							
259		10260	(Reserved)							
260		10261	(Reserved)							
261		10262	(Reserved)							
262		10263	(Reserved)							
263		10264	(Reserved)							
264		10265	(Reserved)							
265		10266	(Reserved)							
266		10267	(Reserved)							
267		10268	(Reserved)							
268		10269	(Reserved)							
269		10270	(Reserved)							
270		10271	(Reserved)							
271		10272	(Reserved)							
272		10273	(Reserved)							
273		10274	(Reserved)							
274		10275	(Reserved)							
275		10276	(Reserved)							
276		10277	(Reserved)							
277		10278	(Reserved)							
278		10279	(Reserved)							
279		10280	(Reserved)							
280		10281	(Reserved)							
281		10282	(Reserved)							
282		10283	(Reserved)							
283		10284	(Reserved)							
284		10285	(Reserved)							
285		10286	(Reserved)							
286		10287	(Reserved)							
287		10288	(Reserved)							
288		10289	(Reserved)							
289		10290	(Reserved)							
290		10291	(Reserved)							
291		10292	(Reserved)							
292		10293	(Reserved)							
293		10294	(Reserved)							
294		10295	(Reserved)							
295		10296	(Reserved)							
296		10297	(Reserved)							
297		10298	(Reserved)							
298		10299	(Reserved)							
299		10300	(Reserved)							
300		10301	(Reserved)							
301		10302	(Reserved)							
302		10303	(Reserved)							
303		10304	(Reserved)							
304		10305	(Reserved)							
305		10306	(Reserved)							
306		10307	(Reserved)							
307		10308	(Reserved)							
308		10309	(Reserved)							
309		10310	(Reserved)							
310		10311	(Reserved)							
311		10312	(Reserved)							
312		10313	(Reserved)							
313		10314	(Reserved)							
314		10315	(Reserved)							
315		10316	(Reserved)							
316		10317	(Reserved)							
317		10318	(Reserved)							
318		10319	(Reserved)							
319		10320	(Reserved)							
320		10321	For exclusive use of manufacturer							
321		10322	For exclusive use of manufacturer							
322		10323	For exclusive use of manufacturer							
323		10324	For exclusive use of manufacturer							
324		10325	For exclusive use of manufacturer							
325		10326	For exclusive use of manufacturer							
326		10327	For exclusive use of manufacturer							
327		10328	For exclusive use of manufacturer							
328		10329	For exclusive use of manufacturer							
329		10330	For exclusive use of manufacturer							
330		10331	For exclusive use of manufacturer							
331		10332	For exclusive use of manufacturer							
332		10333	For exclusive use of manufacturer							
333		10334	For exclusive use of manufacturer							
334		10335	For exclusive use of manufacturer							
335		10336	For exclusive use of manufacturer							
336		10337	For exclusive use of manufacturer							
337		10338	For exclusive use of manufacturer							
338		10339	For exclusive use of manufacturer							
339		10340	For exclusive use of manufacturer							
340		10341	For exclusive use of manufacturer							
341		10342	For exclusive use of manufacturer							
342		10343	For exclusive use of manufacturer							
343		10344	For exclusive use of manufacturer							
344		10345	(Reserved)							
345		10346	(Reserved)							
346		10347	(Reserved)							
347		10348	(Reserved)							
348		10349	(Reserved)							
349		10350	(Reserved)							
350		10351	(Reserved)							
351		10352	(Reserved)							
352		10353	RUN status	On	Off	0	1	ON/OFF	Digital Input	
353		10354	ALARM status	On	Off	0	1	ON/OFF	Digital Input	
354		10355	Fixed red LED: Status of stage 4 left LED	On	Off	0	1	ON/OFF	Digital Input	
355		10356	Fixed red LED: Status of stage 4 middle LED	On	Off	0	1	ON/OFF	Digital Input	
356		10357	Fixed red LED: Status of stage 4 right LED	On	Off	0	1	ON/OFF	Digital Input	
357		10358	Variable (R) LED: Status of stage 1 left LED	On	Off	0	1	ON/OFF	Digital Input	
358		10359	Variable (G) LED: Status of stage 1 left LED	On	Off	0	1	ON/OFF	Digital Input	
359		10360	For exclusive use of manufacturer							
360		10361	Variable (R) LED: Status of stage 1 middle LED	On	Off	0	1	ON/OFF	Digital Input	
361		10362	Variable (G) LED: Status of stage 1 middle LED	On	Off	0	1	ON/OFF	Digital Input	
362		10363	Variable (R) LED: Status of stage 1 right LED	On	Off	0	1	ON/OFF	Digital Input	
363		10364	Variable (G) LED: Status of stage 1 right LED	On	Off	0	1	ON/OFF	Digital Input	
364		10365	Variable (R) LED: Status of stage 2 left LED	On	Off	0	1	ON/OFF	Digital Input	
365		10366	Variable (G) LED: Status of stage 2 left LED	On	Off	0	1	ON/OFF	Digital Input	
366		10367	Variable (R) LED: Status of stage 2 middle LED	On	Off	0	1	ON/OFF	Digital Input	
367		10368	Variable (G) LED: Status of stage 2 middle LED	On	Off	0	1	ON/OFF	Digital Input	
368		10369	Variable (R) LED: Status of stage 2 right LED	On	Off	0	1	ON/OFF	Digital Input	
369		10370	Variable (G) LED: Status of stage 2 right LED	On	Off	0	1	ON/OFF	Digital Input	
370		10371	Variable (R) LED: Status of stage 3 left LED	On	Off	0	1	ON/OFF	Digital Input	
371		10372	Variable (G) LED: Status of stage 3 left LED	On	Off	0	1	ON/OFF	Digital Input	
372		10373	Variable (R) LED: Status of stage 3 middle LED	On	Off	0	1	ON/OFF	Digital Input	
373		10374	Variable (G) LED: Status of stage 3 middle LED	On	Off	0	1	ON/OFF	Digital Input	
374		10375	Variable (R) LED: Status of stage 3 right LED	On	Off	0	1	ON/OFF	Digital Input	
375		10376	Variable (G) LED: Status of stage 3 right LED	On	Off	0	1	ON/OFF	Digital Input	
376		10377	For exclusive use of manufacturer							
377		10378	For exclusive use of manufacturer							
378		10379	For exclusive use of manufacturer							
379		10380	For exclusive use of manufacturer							
380		10381	For exclusive use of manufacturer							
381		10382	For exclusive use of manufacturer							
382		10383	For exclusive use of manufacturer							
383		10384	For exclusive use of manufacturer							
384		10385	Percentage differential (87T) element: Phase A	On	Off	0	1	ON/OFF	Digital Input	

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
385	2	10386	Percentage differential (87T) element: Phase B	On	Off	0	1	ON/OFF	Digital Input	With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
386		10387	Percentage differential (87T) element: Phase C	On	Off	0	1	ON/OFF	Digital Input	
387		10388	Differential overcurrent (87TH) element: Phase A	On	Off	0	1	ON/OFF	Digital Input	
388		10389	Differential overcurrent (87TH) element: Phase B	On	Off	0	1	ON/OFF	Digital Input	
389		10390	Differential overcurrent (87TH) element: Phase C	On	Off	0	1	ON/OFF	Digital Input	
390		10391	Zero phase differential (87TN) element H-side:	On	Off	0	1	ON/OFF	Digital Input	
391		10392	Zero phase differential (87TN) element L-side:	On	Off	0	1	ON/OFF	Digital Input	
392		10393	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
393		10394	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
394		10395	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
395		10396	Overcurrent instantaneous (50) element: Stage 1 H-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
396		10397	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
397		10398	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
398		10399	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
399		10400	Overcurrent instantaneous (50) element: Stage 1 L-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
400		10401	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
401		10402	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
402		10403	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
403		10404	Overcurrent instantaneous (50) element: Stage 2 H-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
404		10405	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
405		10406	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
406		10407	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
407		10408	Overcurrent instantaneous (50) element: Stage 2 L-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
408		10409	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
409		10410	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
410		10411	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
411		10412	Overcurrent instantaneous (50) element: Stage 3 H-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
412		10413	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
413		10414	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
414		10415	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
415		10416	Overcurrent instantaneous (50) element: Stage 3 L-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
416		10417	Overcurrent time limit (51) element H-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
417		10418	Overcurrent time limit (51) element H-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
418		10419	Overcurrent time limit (51) element H-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
419		10420	Overcurrent time limit (51) element H-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
420		10421	Overcurrent time limit (51) element L-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
421		10422	Overcurrent time limit (51) element L-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
422		10423	Overcurrent time limit (51) element L-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
423		10424	Overcurrent time limit (51) element L-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
424		10425	Overload (49) element H-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
425		10426	Overload (49) element L-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
426		10427	Negative phase overcurrent (46) element: Stage 1 H-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
427		10428	Negative phase overcurrent (46) element: Stage 1 L-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
428		10429	Negative phase overcurrent (46) element: Stage 2 H-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
429		10430	Negative phase overcurrent (46) element: Stage 2 L-side: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
430		10431	Overcurrent (50BF) element for CBF detection H-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
431		10432	Overcurrent (50BF) element for CBF detection H-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
432		10433	Overcurrent (50BF) element for CBF detection H-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
433		10434	Overcurrent (50BF) element for CBF detection H-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
434		10435	Overcurrent (50BF) element for CBF detection L-side: Phase A confirmation	On	Off	0	1	ON/OFF	Digital Input	
435		10436	Overcurrent (50BF) element for CBF detection L-side: Phase B confirmation	On	Off	0	1	ON/OFF	Digital Input	
436		10437	Overcurrent (50BF) element for CBF detection L-side: Phase C confirmation	On	Off	0	1	ON/OFF	Digital Input	
437		10438	Overcurrent (50BF) element for CBF detection L-side: Zero phase confirmation	On	Off	0	1	ON/OFF	Digital Input	
438		10439	Trip counter ALARM	On	Off	0	1	ON/OFF	Digital Input	
439		10440	For exclusive use of manufacturer							
440		10441	Difference current monitoring phase A: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
441		10442	Difference current monitoring phase B: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
442		10443	Difference current monitoring phase C: Confirmation	On	Off	0	1	ON/OFF	Digital Input	
443		10444	CBFH high speed: Detection	On	Off	0	1	ON/OFF	Digital Input	
444		10445	CBFH accuracy: Detection	On	Off	0	1	ON/OFF	Digital Input	
445		10446	CBFL high speed: Detection	On	Off	0	1	ON/OFF	Digital Input	
446		10447	CBFL accuracy: Detection	On	Off	0	1	ON/OFF	Digital Input	
447		10448	RGFH zero phase CT saturation detection	On	Off	0	1	ON/OFF	Digital Input	
448		10449	RGFH zero phase accident detection	On	Off	0	1	ON/OFF	Digital Input	
449		10450	RGFH zero phase error countermeasure OC	On	Off	0	1	ON/OFF	Digital Input	
450		10451	RGFH Imin tap modification judgment	On	Off	0	1	ON/OFF	Digital Input	
451		10452	RGFL zero phase CT saturation detection	On	Off	0	1	ON/OFF	Digital Input	
452		10453	RGFL zero phase accident detection	On	Off	0	1	ON/OFF	Digital Input	
453		10454	RGFL zero phase error countermeasure OC	On	Off	0	1	ON/OFF	Digital Input	
454		10455	RGFL Imin tap modification judgment	On	Off	0	1	ON/OFF	Digital Input	
455		10456	(Reserved)							
456		10457	(Reserved)							
457		10458	(Reserved)							
458		10459	(Reserved)							
459		10460	(Reserved)							
460		10461	(Reserved)							
461		10462	(Reserved)							
462		10463	(Reserved)							
463		10464	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
464	2	10465	For exclusive use of manufacturer							
465		10466	For exclusive use of manufacturer							
466		10467	For exclusive use of manufacturer							
467		10468	For exclusive use of manufacturer							
468		10469	For exclusive use of manufacturer							
469		10470	For exclusive use of manufacturer							
470		10471	For exclusive use of manufacturer							
471		10472	For exclusive use of manufacturer							
472		10473	For exclusive use of manufacturer							
473		10474	For exclusive use of manufacturer							
474		10475	For exclusive use of manufacturer							
475		10476	For exclusive use of manufacturer							
476		10477	For exclusive use of manufacturer							
477		10478	For exclusive use of manufacturer							
478		10479	For exclusive use of manufacturer							
479		10480	For exclusive use of manufacturer							
480		10481	(Reserved)							
481		10482	(Reserved)							
482		10483	(Reserved)							
483		10484	(Reserved)							
484		10485	(Reserved)							
485		10486	(Reserved)							
486		10487	(Reserved)							
487		10488	(Reserved)							
488		10489	(Reserved)							
489		10490	(Reserved)							
490		10491	(Reserved)							
491		10492	(Reserved)							
492		10493	(Reserved)							
493		10494	(Reserved)							
494		10495	(Reserved)							
495		10496	(Reserved)							
496		10497	(Reserved)							
497		10498	For exclusive use of manufacturer							
498		10499	For exclusive use of manufacturer							
499		10500	For exclusive use of manufacturer							
500		10501	For exclusive use of manufacturer							
501		10502	For exclusive use of manufacturer							
502		10503	For exclusive use of manufacturer							
503		10504	For exclusive use of manufacturer							
504		10505	For exclusive use of manufacturer							
505		10506	For exclusive use of manufacturer							
506		10507	For exclusive use of manufacturer							
507		10508	For exclusive use of manufacturer							
508		10509	For exclusive use of manufacturer							
509		10510	For exclusive use of manufacturer							
510		10511	For exclusive use of manufacturer							
511		10512	For exclusive use of manufacturer							
512		10513	For exclusive use of manufacturer							
513		10514	For exclusive use of manufacturer							
514		10515	For exclusive use of manufacturer							
515		10516	For exclusive use of manufacturer							
516		10517	For exclusive use of manufacturer							
517		10518	For exclusive use of manufacturer							
518		10519	For exclusive use of manufacturer							
519		10520	For exclusive use of manufacturer							
520		10521	For exclusive use of manufacturer							
521		10522	For exclusive use of manufacturer							
522		10523	For exclusive use of manufacturer							
523		10524	For exclusive use of manufacturer							
524		10525	For exclusive use of manufacturer							
525		10526	For exclusive use of manufacturer							
526		10527	For exclusive use of manufacturer							
527		10528	(Reserved)							
528		10529	(Reserved)							
529		10530	(Reserved)							
530		10531	(Reserved)							
531		10532	(Reserved)							
532		10533	(Reserved)							
533		10534	(Reserved)							
534		10535	(Reserved)							
535		10536	(Reserved)							
536		10537	(Reserved)							
537		10538	(Reserved)							
538		10539	(Reserved)							
539		10540	(Reserved)							
540		10541	(Reserved)							
541		10542	(Reserved)							
542		10543	(Reserved)							
543		10544	(Reserved)							
544		10545	For exclusive use of manufacturer							
545		10546	For exclusive use of manufacturer							
546		10547	For exclusive use of manufacturer							
547		10548	For exclusive use of manufacturer							
548		10549	For exclusive use of manufacturer							
549		10550	For exclusive use of manufacturer							
550		10551	For exclusive use of manufacturer							
551		10552	For exclusive use of manufacturer							
552		10553	For exclusive use of manufacturer							
553		10554	For exclusive use of manufacturer							
554		10555	For exclusive use of manufacturer							
555		10556	For exclusive use of manufacturer							
556		10557	For exclusive use of manufacturer							
557		10558	For exclusive use of manufacturer							
558		10559	For exclusive use of manufacturer							
559		10560	For exclusive use of manufacturer							
560		10561	For exclusive use of manufacturer							
561		10562	For exclusive use of manufacturer							
562		10563	For exclusive use of manufacturer							
563		10564	For exclusive use of manufacturer							
564		10565	For exclusive use of manufacturer							
565		10566	For exclusive use of manufacturer							
566		10567	For exclusive use of manufacturer							
567		10568	For exclusive use of manufacturer							
568		10569	For exclusive use of manufacturer							
569		10570	For exclusive use of manufacturer							
570		10571	For exclusive use of manufacturer							
571		10572	For exclusive use of manufacturer							
572		10573	For exclusive use of manufacturer							
573		10574	For exclusive use of manufacturer							
574		10575	For exclusive use of manufacturer							
575		10576	For exclusive use of manufacturer							
576		10577	For exclusive use of manufacturer							
577		10578	For exclusive use of manufacturer							
578		10579	For exclusive use of manufacturer							
579		10580	For exclusive use of manufacturer							
580		10581	For exclusive use of manufacturer							
581		10582	For exclusive use of manufacturer							
582		10583	For exclusive use of manufacturer							
583		10584	For exclusive use of manufacturer							
584		10585	For exclusive use of manufacturer							
585		10586	For exclusive use of manufacturer							
586		10587	For exclusive use of manufacturer							
587		10588	For exclusive use of manufacturer							
588		10589	For exclusive use of manufacturer							
589		10590	For exclusive use of manufacturer							
590		10591	For exclusive use of manufacturer							
591		10592	For exclusive use of manufacturer							
592		10593	For exclusive use of manufacturer							
593		10594	For exclusive use of manufacturer							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
594	2	10595	For exclusive use of manufacturer							
595		10596	For exclusive use of manufacturer							
596		10597	For exclusive use of manufacturer							
597		10598	For exclusive use of manufacturer							
598		10599	For exclusive use of manufacturer							
599		10600	For exclusive use of manufacturer							
600		10601	For exclusive use of manufacturer							
601		10602	For exclusive use of manufacturer							
602		10603	For exclusive use of manufacturer							
603		10604	For exclusive use of manufacturer							
604		10605	For exclusive use of manufacturer							
605		10606	For exclusive use of manufacturer							
606		10607	For exclusive use of manufacturer							
607		10608	For exclusive use of manufacturer							
608		10609	For exclusive use of manufacturer							
609		10610	For exclusive use of manufacturer							
610		10611	For exclusive use of manufacturer							
611		10612	For exclusive use of manufacturer							
612		10613	For exclusive use of manufacturer							
613		10614	For exclusive use of manufacturer							
614		10615	For exclusive use of manufacturer							
615		10616	For exclusive use of manufacturer							
616		10617	For exclusive use of manufacturer							
617		10618	For exclusive use of manufacturer							
618		10619	(Reserved)							
619		10620	(Reserved)							
620		10621	(Reserved)							
621		10622	(Reserved)							
622		10623	(Reserved)							
623		10624	(Reserved)							
624		10625	For exclusive use of manufacturer							
625		10626	For exclusive use of manufacturer							
626		10627	(Reserved)							
627		10628	(Reserved)							
628		10629	(Reserved)							
629		10630	(Reserved)							
630		10631	(Reserved)							
631		10632	(Reserved)							
632		10633	(Reserved)							
633		10634	(Reserved)							
634		10635	(Reserved)							
635		10636	(Reserved)							
636		10637	(Reserved)							
637		10638	(Reserved)							
638		10639	(Reserved)							
639		10640	(Reserved)							
640		10641	For exclusive use of manufacturer							
641		10642	(Reserved)							
642		10643	(Reserved)							
643		10644	(Reserved)							
644		10645	(Reserved)							
645		10646	(Reserved)							
646		10647	(Reserved)							
647		10648	(Reserved)							
648		10649	(Reserved)							
649		10650	(Reserved)							
650		10651	(Reserved)							
651		10652	(Reserved)							
652		10653	(Reserved)							
653		10654	(Reserved)							
654		10655	(Reserved)							
655		10656	(Reserved)							
656		10657	(Reserved)							
657		10658	(Reserved)							
658		10659	(Reserved)							
659		10660	(Reserved)							
660		10661	For exclusive use of manufacturer							
661		10662	For exclusive use of manufacturer							
662		10663	For exclusive use of manufacturer							
663		10664	(Reserved)							
664		10665	(Reserved)							
665		10666	(Reserved)							
666		10667	(Reserved)							
667		10668	(Reserved)							
668		10669	For exclusive use of manufacturer							
669		10670	(Reserved)							
670		10671	(Reserved)							
671		10672	(Reserved)							
672		10673	For exclusive use of manufacturer							
673		10674	For exclusive use of manufacturer							
674		10675	For exclusive use of manufacturer							
675		10676	For exclusive use of manufacturer							
676		10677	For exclusive use of manufacturer							
677		10678	For exclusive use of manufacturer							
678		10679	For exclusive use of manufacturer							
679		10680	For exclusive use of manufacturer							
680		10681	For exclusive use of manufacturer							
681		10682	For exclusive use of manufacturer							
682		10683	For exclusive use of manufacturer							
683		10684	For exclusive use of manufacturer							
684		10685	For exclusive use of manufacturer							
685		10686	For exclusive use of manufacturer							
686		10687	For exclusive use of manufacturer							
687		10688	(Reserved)							
688		10689	(Reserved)							
689		10690	(Reserved)							
690		10691	(Reserved)							
691		10692	(Reserved)							
692		10693	(Reserved)							
693		10694	(Reserved)							
694		10695	(Reserved)							
695		10696	(Reserved)							
696		10697	(Reserved)							
697		10698	(Reserved)							
698		10699	(Reserved)							
699		10700	(Reserved)							
700		10701	(Reserved)							
701		10702	(Reserved)							
702		10703	(Reserved)							
703		10704	(Reserved)							
704		10705	For exclusive use of manufacturer							
705		10706	For exclusive use of manufacturer							
706		10707	For exclusive use of manufacturer							
707		10708	(Reserved)							
708		10709	(Reserved)							
709		10710	(Reserved)							
710		10711	(Reserved)							
711		10712	(Reserved)							
712		10713	(Reserved)							
713		10714	(Reserved)							
714		10715	(Reserved)							
715		10716	(Reserved)							
716		10717	(Reserved)							
717		10718	(Reserved)							
718		10719	(Reserved)							
719		10720	(Reserved)							
720		10721	(Reserved)							
721		10722	(Reserved)							
722		10723	(Reserved)							
723		10724	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
724	2	10725	(Reserved)							
725		10726	(Reserved)							
726		10727	(Reserved)							
727		10728	(Reserved)							
728		10729	(Reserved)							
729		10730	(Reserved)							
730		10731	(Reserved)							
731		10732	(Reserved)							
732		10733	(Reserved)							
733		10734	(Reserved)							
734		10735	(Reserved)							
735		10736	(Reserved)							
736		10737	For exclusive use of manufacturer							
737		10738	For exclusive use of manufacturer							
738		10739	(Reserved)							
739		10740	(Reserved)							
740		10741	(Reserved)							
741		10742	(Reserved)							
742		10743	(Reserved)							
743		10744	(Reserved)							
744		10745	(Reserved)							
745		10746	(Reserved)							
746		10747	(Reserved)							
747		10748	(Reserved)							
748		10749	(Reserved)							
749		10750	(Reserved)							
750		10751	(Reserved)							
751		10752	(Reserved)							
752		10753	For exclusive use of manufacturer							
753		10754	For exclusive use of manufacturer							
754		10755	(Reserved)							
755		10756	(Reserved)							
756		10757	(Reserved)							
757		10758	(Reserved)							
758		10759	(Reserved)							
759		10760	(Reserved)							
760		10761	(Reserved)							
761		10762	(Reserved)							
762		10763	(Reserved)							
763		10764	(Reserved)							
764		10765	(Reserved)							
765		10766	(Reserved)							
766		10767	(Reserved)							
767		10768	(Reserved)							
768		10769	(Reserved)							
769		10770	(Reserved)							
770		10771	(Reserved)							
771		10772	(Reserved)							
772		10773	(Reserved)							
773		10774	(Reserved)							
774		10775	(Reserved)							
775		10776	(Reserved)							
776		10777	(Reserved)							
777		10778	(Reserved)							
778		10779	(Reserved)							
779		10780	(Reserved)							
780		10781	(Reserved)							
781		10782	(Reserved)							
782		10783	(Reserved)							
783		10784	(Reserved)							
784		10785	For exclusive use of manufacturer							
785		10786	For exclusive use of manufacturer							
786		10787	For exclusive use of manufacturer							
787		10788	For exclusive use of manufacturer							
788		10789	For exclusive use of manufacturer							
789		10790	For exclusive use of manufacturer							
790		10791	For exclusive use of manufacturer							
791		10792	For exclusive use of manufacturer							
792		10793	(Reserved)							
793		10794	(Reserved)							
794		10795	(Reserved)							
795		10796	(Reserved)							
796		10797	(Reserved)							
797		10798	(Reserved)							
798		10799	(Reserved)							
799		10800	(Reserved)							
800		10801	For exclusive use of manufacturer							
801		10802	For exclusive use of manufacturer							
802		10803	For exclusive use of manufacturer							
803		10804	For exclusive use of manufacturer							
804		10805	For exclusive use of manufacturer							
805		10806	For exclusive use of manufacturer							
806		10807	For exclusive use of manufacturer							
807		10808	For exclusive use of manufacturer							
808		10809	For exclusive use of manufacturer							
809		10810	For exclusive use of manufacturer							
810		10811	For exclusive use of manufacturer							
811		10812	For exclusive use of manufacturer							
812		10813	For exclusive use of manufacturer							
813		10814	For exclusive use of manufacturer							
814		10815	For exclusive use of manufacturer							
815		10816	For exclusive use of manufacturer							
816		10817	For exclusive use of manufacturer							
817		10818	For exclusive use of manufacturer							
818		10819	For exclusive use of manufacturer							
819		10820	For exclusive use of manufacturer							
820		10821	For exclusive use of manufacturer							
821		10822	For exclusive use of manufacturer							
822		10823	For exclusive use of manufacturer							
823		10824	For exclusive use of manufacturer							
824		10825	For exclusive use of manufacturer							
825		10826	For exclusive use of manufacturer							
826		10827	For exclusive use of manufacturer							
827		10828	For exclusive use of manufacturer							
828		10829	For exclusive use of manufacturer							
829		10830	For exclusive use of manufacturer							
830		10831	For exclusive use of manufacturer							
831		10832	For exclusive use of manufacturer							
832		10833	For exclusive use of manufacturer							
833		10834	For exclusive use of manufacturer							
834		10835	For exclusive use of manufacturer							
835		10836	For exclusive use of manufacturer							
836		10837	For exclusive use of manufacturer							
837		10838	For exclusive use of manufacturer							
838		10839	For exclusive use of manufacturer							
839		10840	For exclusive use of manufacturer							
840		10841	For exclusive use of manufacturer							
841		10842	For exclusive use of manufacturer							
842		10843	For exclusive use of manufacturer							
843		10844	For exclusive use of manufacturer							
844		10845	For exclusive use of manufacturer							
845		10846	For exclusive use of manufacturer							
846		10847	For exclusive use of manufacturer							
847		10848	(Reserved)							
848		10849	(Reserved)							
849		10850	(Reserved)							
850		10851	(Reserved)							
851		10852	(Reserved)							
852		10853	(Reserved)							
853		10854	(Reserved)							

Input Status Map Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
854	2	10855	(Reserved)							
855		10856	(Reserved)							
856		10857	(Reserved)							
857		10858	(Reserved)							
858		10859	(Reserved)							
859		10860	(Reserved)							
860		10861	(Reserved)							
861		10862	(Reserved)							
862		10863	(Reserved)							
863		10864	(Reserved)							
864		10865	(Reserved)							
865		10866	(Reserved)							
866		10867	(Reserved)							
867		10868	(Reserved)							
868		10869	(Reserved)							
869		10870	(Reserved)							
870		10871	(Reserved)							
871		10872	(Reserved)							
872		10873	(Reserved)							
873		10874	(Reserved)							
874		10875	(Reserved)							
875		10876	(Reserved)							
876		10877	(Reserved)							
877		10878	(Reserved)							
878		10879	(Reserved)							
879		10880	(Reserved)							
880		10881	(Reserved)							
881		10882	(Reserved)							
882		10883	(Reserved)							
883		10884	(Reserved)							
884		10885	(Reserved)							
885		10886	(Reserved)							
886		10887	(Reserved)							
887		10888	(Reserved)							
888		10889	(Reserved)							
889		10890	(Reserved)							
890		10891	(Reserved)							
891		10892	(Reserved)							
892		10893	(Reserved)							
893		10894	(Reserved)							
894		10895	(Reserved)							
895		10896	(Reserved)							
896		10897	For exclusive use of manufacturer							
897		10898	For exclusive use of manufacturer							
898		10899	For exclusive use of manufacturer							
899		10900	For exclusive use of manufacturer							
900		10901	For exclusive use of manufacturer							
901		10902	For exclusive use of manufacturer							
902		10903	For exclusive use of manufacturer							
903		10904	For exclusive use of manufacturer							
904		10905	For exclusive use of manufacturer							
905		10906	For exclusive use of manufacturer							
906		10907	For exclusive use of manufacturer							
907		10908	For exclusive use of manufacturer							
908		10909	For exclusive use of manufacturer							
909		10910	For exclusive use of manufacturer							
910		10911	For exclusive use of manufacturer							
911		10912	For exclusive use of manufacturer							
912		10913	For exclusive use of manufacturer							
913		10914	For exclusive use of manufacturer							
914		10915	For exclusive use of manufacturer							
915		10916	For exclusive use of manufacturer							
916		10917	For exclusive use of manufacturer							
917		10918	For exclusive use of manufacturer							
918		10919	For exclusive use of manufacturer							
919		10920	For exclusive use of manufacturer							
920		10921	For exclusive use of manufacturer							
921		10922	For exclusive use of manufacturer							
922		10923	For exclusive use of manufacturer							
923		10924	(Reserved)							
924		10925	(Reserved)							
925		10926	(Reserved)							
926		10927	(Reserved)							
927		10928	(Reserved)							
928		10929	For exclusive use of manufacturer							
929		10930	For exclusive use of manufacturer							
930		10931	For exclusive use of manufacturer							
931		10932	For exclusive use of manufacturer							
932		10933	For exclusive use of manufacturer							
933		10934	For exclusive use of manufacturer							
934		10935	For exclusive use of manufacturer							
935		10936	For exclusive use of manufacturer							
936		10937	For exclusive use of manufacturer							
937		10938	For exclusive use of manufacturer							
938		10939	For exclusive use of manufacturer							
939		10940	For exclusive use of manufacturer							
940		10941	For exclusive use of manufacturer							
941		10942	(Reserved)							
942		10943	(Reserved)							
943		10944	For exclusive use of manufacturer							
944		10945	For exclusive use of manufacturer							
945		10946	For exclusive use of manufacturer							
946		10947	For exclusive use of manufacturer							
947		10948	For exclusive use of manufacturer							
948		10949	For exclusive use of manufacturer							
949		10950	For exclusive use of manufacturer							
950		10951	For exclusive use of manufacturer							
951		10952	For exclusive use of manufacturer							
952		10953	For exclusive use of manufacturer							
953		10954	For exclusive use of manufacturer							
954		10955	For exclusive use of manufacturer							
955		10956	For exclusive use of manufacturer							
956		10957	For exclusive use of manufacturer							
957		10958	For exclusive use of manufacturer							
958		10959	For exclusive use of manufacturer							
959		10960	For exclusive use of manufacturer							
960		10961	For exclusive use of manufacturer							
961		10962	For exclusive use of manufacturer							
962		10963	For exclusive use of manufacturer							
963		10964	For exclusive use of manufacturer							
964		10965	For exclusive use of manufacturer							
965		10966	For exclusive use of manufacturer							
966		10967	For exclusive use of manufacturer							
967		10968	(Reserved)							
968		10969	(Reserved)							
969		10970	(Reserved)							
970		10971	(Reserved)							
971		10972	(Reserved)							
972		10973	(Reserved)							
973		10974	(Reserved)							
974		10975	(Reserved)							
975		10976	(Reserved)							
976		10977	For exclusive use of manufacturer							
977		10978	For exclusive use of manufacturer							
978		10979	For exclusive use of manufacturer							
979		10980	For exclusive use of manufacturer							
980		10981	For exclusive use of manufacturer							
981		10982	For exclusive use of manufacturer							
982		10983	For exclusive use of manufacturer							
983		10984	For exclusive use of manufacturer							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
984	2	10985	For exclusive use of manufacturer							
985		10986	For exclusive use of manufacturer							
986		10987	For exclusive use of manufacturer							
987		10988	For exclusive use of manufacturer							
988		10989	For exclusive use of manufacturer							
989		10990	(Reserved)							
990		10991	(Reserved)							
991		10992	(Reserved)							
992		10993	(Reserved)							
993		10994	(Reserved)							
994		10995	(Reserved)							
995		10996	(Reserved)							
996		10997	(Reserved)							
997		10998	(Reserved)							
998		10999	(Reserved)							
999		11000	(Reserved)							
1000		11001	(Reserved)							
1001		11002	(Reserved)							
1002		11003	(Reserved)							
1003		11004	(Reserved)							
1004		11005	(Reserved)							
1005		11006	(Reserved)							
1006		11007	(Reserved)							
1007		11008	For exclusive use of manufacturer							
1008		11009	(Reserved)							
1009		11010	(Reserved)							
1010		11011	(Reserved)							
1011		11012	(Reserved)							
1012		11013	(Reserved)							
1013		11014	(Reserved)							
1014		11015	(Reserved)							
1015		11016	(Reserved)							
1016		11017	(Reserved)							
1017		11018	(Reserved)							
1018		11019	(Reserved)							
1019		11020	(Reserved)							
1020		11021	(Reserved)							
1021		11022	(Reserved)							
1022		11023	(Reserved)							
1023		11024	(Reserved)							
1024		11025	(Reserved)							
1025		11026	(Reserved)							
1026		11027	(Reserved)							
1027		11028	(Reserved)							
1028		11029	(Reserved)							
1029		11030	(Reserved)							
1030		11031	(Reserved)							
1031		11032	(Reserved)							
1032		11033	(Reserved)							
1033		11034	(Reserved)							
1034		11035	(Reserved)							
1035		11036	(Reserved)							
1036		11037	(Reserved)							
1037		11038	(Reserved)							
1038		11039	(Reserved)							
1039		11040	(Reserved)							
1040		11041	(Reserved)							
1041		11042	(Reserved)							
1042		11043	(Reserved)							
1043		11044	(Reserved)							
1044		11045	(Reserved)							
1045		11046	(Reserved)							
1046		11047	(Reserved)							
1047		11048	(Reserved)							
1048		11049	(Reserved)							
1049		11050	(Reserved)							
1050		11051	(Reserved)							
1051		11052	(Reserved)							
1052		11053	(Reserved)							
1053		11054	(Reserved)							
1054		11055	(Reserved)							
1055		11056	(Reserved)							
1056		11057	(Reserved)							
1057		11058	(Reserved)							
1058		11059	(Reserved)							
1059		11060	(Reserved)							
1060		11061	(Reserved)							
1061		11062	(Reserved)							
1062		11063	(Reserved)							
1063		11064	(Reserved)							
1064		11065	(Reserved)							
1065		11066	(Reserved)							
1066		11067	(Reserved)							
1067		11068	(Reserved)							
1068		11069	(Reserved)							
1069		11070	(Reserved)							
1070		11071	(Reserved)							
1071		11072	(Reserved)							
1072		11073	(Reserved)							
1073		11074	(Reserved)							
1074		11075	(Reserved)							
1075		11076	(Reserved)							
1076		11077	(Reserved)							
1077		11078	(Reserved)							
1078		11079	(Reserved)							
1079		11080	(Reserved)							
1080		11081	(Reserved)							
1081		11082	(Reserved)							
1082		11083	(Reserved)							
1083		11084	(Reserved)							
1084		11085	(Reserved)							
1085		11086	(Reserved)							
1086		11087	(Reserved)							
1087		11088	(Reserved)							
1088		11089	(Reserved)							
1089		11090	(Reserved)							
1090		11091	(Reserved)							
1091		11092	(Reserved)							
1092		11093	(Reserved)							
1093		11094	(Reserved)							
1094		11095	(Reserved)							
1095		11096	(Reserved)							
1096		11097	(Reserved)							
1097		11098	(Reserved)							
1098		11099	(Reserved)							
1099		11100	(Reserved)							
1100		11101	(Reserved)							
1101		11102	(Reserved)							
1102		11103	(Reserved)							
1103		11104	(Reserved)							
1104		11105	(Reserved)							
1105		11106	(Reserved)							
1106		11107	(Reserved)							
1107		11108	(Reserved)							

Input Status Map Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1108	2	11109	(Reserved)							
1109		11110	(Reserved)							
1110		11111	(Reserved)							
1111		11112	(Reserved)							
1112		11113	(Reserved)							
1113		11114	(Reserved)							
1114		11115	(Reserved)							
1115		11116	(Reserved)							
1116		11117	(Reserved)							
1117		11118	(Reserved)							
1118		11119	(Reserved)							
1119		11120	(Reserved)							
1120		11121	(Reserved)							
1121		11122	(Reserved)							
1122		11123	(Reserved)							
1123		11124	(Reserved)							
1124		11125	(Reserved)							
1125		11126	(Reserved)							
1126		11127	(Reserved)							
1127		11128	(Reserved)							
1128		11129	(Reserved)							
1129		11130	(Reserved)							
1130		11131	(Reserved)							
1131		11132	(Reserved)							
1132		11133	(Reserved)							
1133		11134	(Reserved)							
1134		11135	(Reserved)							
1135		11136	(Reserved)							
1136		11137	(Reserved)							
1137		11138	(Reserved)							
1138		11139	(Reserved)							
1139		11140	(Reserved)							
1140		11141	(Reserved)							
1141		11142	(Reserved)							
1142		11143	(Reserved)							
1143		11144	(Reserved)							
1144		11145	(Reserved)							
1145		11146	(Reserved)							
1146		11147	(Reserved)							
1147		11148	(Reserved)							
1148		11149	(Reserved)							
1149		11150	(Reserved)							
1150		11151	(Reserved)							
1151		11152	(Reserved)							
1152		11153	(Reserved)							
1153		11154	(Reserved)							
1154		11155	(Reserved)							
1155		11156	(Reserved)							
1156		11157	(Reserved)							
1157		11158	(Reserved)							
1158		11159	(Reserved)							
1159		11160	(Reserved)							
1160		11161	(Reserved)							
1161		11162	(Reserved)							
1162		11163	(Reserved)							
1163		11164	(Reserved)							
1164		11165	(Reserved)							
1165		11166	(Reserved)							
1166		11167	(Reserved)							
1167		11168	(Reserved)							
1168		11169	(Reserved)							
1169		11170	(Reserved)							
1170		11171	(Reserved)							
1171		11172	(Reserved)							
1172		11173	(Reserved)							
1173		11174	(Reserved)							
1174		11175	(Reserved)							
1175		11176	(Reserved)							
1176		11177	(Reserved)							
1177		11178	(Reserved)							
1178		11179	(Reserved)							
1179		11180	(Reserved)							
1180		11181	(Reserved)							
1181		11182	(Reserved)							
1182		11183	(Reserved)							
1183		11184	(Reserved)							
1184		11185	(Reserved)							
1185		11186	(Reserved)							
1186		11187	(Reserved)							
1187		11188	(Reserved)							
1188		11189	(Reserved)							
1189		11190	(Reserved)							
1190		11191	(Reserved)							
1191		11192	(Reserved)							
1192		11193	(Reserved)							
1193		11194	(Reserved)							
1194		11195	(Reserved)							
1195		11196	(Reserved)							
1196		11197	(Reserved)							
1197		11198	(Reserved)							
1198		11199	(Reserved)							
1199		11200	(Reserved)							
1200		11201	For exclusive use of manufacturer							
1201		11202	For exclusive use of manufacturer							
1202		11203	For exclusive use of manufacturer							
1203		11204	For exclusive use of manufacturer							
1204		11205	For exclusive use of manufacturer							
1205		11206	For exclusive use of manufacturer							
1206		11207	For exclusive use of manufacturer							
1207		11208	For exclusive use of manufacturer							
1208		11209	For exclusive use of manufacturer							
1209		11210	For exclusive use of manufacturer							
1210		11211	For exclusive use of manufacturer							
1211		11212	For exclusive use of manufacturer							
1212		11213	(Reserved)							
1213		11214	(Reserved)							
1214		11215	(Reserved)							
1215		11216	(Reserved)							
1216		11217	For exclusive use of manufacturer							
1217		11218	For exclusive use of manufacturer							
1218		11219	For exclusive use of manufacturer							
1219		11220	For exclusive use of manufacturer							
1220		11221	For exclusive use of manufacturer							
1221		11222	For exclusive use of manufacturer							
1222		11223	For exclusive use of manufacturer							
1223		11224	For exclusive use of manufacturer							
1224		11225	For exclusive use of manufacturer							
1225		11226	For exclusive use of manufacturer							
1226		11227	For exclusive use of manufacturer							
1227		11228	For exclusive use of manufacturer							
1228		11229	For exclusive use of manufacturer							
1229		11230	For exclusive use of manufacturer							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1230	2	11231	For exclusive use of manufacturer							With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
1231		11232	For exclusive use of manufacturer							
1232		11233	For exclusive use of manufacturer							
1233		11234	For exclusive use of manufacturer							
1234		11235	For exclusive use of manufacturer							
1235		11236	For exclusive use of manufacturer							
1236		11237	For exclusive use of manufacturer							
1237		11238	For exclusive use of manufacturer							
1238		11239	For exclusive use of manufacturer							
1239		11240	For exclusive use of manufacturer							
1240		11241	For exclusive use of manufacturer							
1241		11242	For exclusive use of manufacturer							
1242		11243	For exclusive use of manufacturer							
1243		11244	For exclusive use of manufacturer							
1244		11245	For exclusive use of manufacturer							
1245		11246	For exclusive use of manufacturer							
1246		11247	For exclusive use of manufacturer							
1247		11248	For exclusive use of manufacturer							
1248		11249	For exclusive use of manufacturer							
1249		11250	For exclusive use of manufacturer							
1250		11251	For exclusive use of manufacturer							
1251		11252	For exclusive use of manufacturer							
1252		11253	For exclusive use of manufacturer							
1253		11254	For exclusive use of manufacturer							
1254		11255	For exclusive use of manufacturer							
1255		11256	For exclusive use of manufacturer							
1256		11257	(Reserved)							
1257		11258	(Reserved)							
1258		11259	(Reserved)							
1259		11260	(Reserved)							
1260		11261	(Reserved)							
1261		11262	(Reserved)							
1262		11263	(Reserved)							
1263		11264	(Reserved)							
1264		11265	For exclusive use of manufacturer							
1265		11266	For exclusive use of manufacturer							
1266		11267	For exclusive use of manufacturer							
1267		11268	For exclusive use of manufacturer							
1268		11269	For exclusive use of manufacturer							
1269		11270	For exclusive use of manufacturer							
1270		11271	For exclusive use of manufacturer							
1271		11272	For exclusive use of manufacturer							
1272		11273	For exclusive use of manufacturer							
1273		11274	For exclusive use of manufacturer							
1274		11275	For exclusive use of manufacturer							
1275		11276	For exclusive use of manufacturer							
1276		11277	For exclusive use of manufacturer							
1277		11278	For exclusive use of manufacturer							
1278		11279	For exclusive use of manufacturer							
1279		11280	For exclusive use of manufacturer							
1280		11281	For exclusive use of manufacturer							
1281		11282	For exclusive use of manufacturer							
1282		11283	For exclusive use of manufacturer							
1283		11284	For exclusive use of manufacturer							
1284		11285	For exclusive use of manufacturer							
1285		11286	For exclusive use of manufacturer							
1286		11287	For exclusive use of manufacturer							
1287		11288	For exclusive use of manufacturer							
1288		11289	For exclusive use of manufacturer							
1289		11290	For exclusive use of manufacturer							
1290		11291	For exclusive use of manufacturer							
1291		11292	For exclusive use of manufacturer							
1292		11293	For exclusive use of manufacturer							
1293		11294	For exclusive use of manufacturer							
1294		11295	For exclusive use of manufacturer							
1295		11296	For exclusive use of manufacturer							
1296		11297	DIFF phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1297		11298	DIFF phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1298		11299	DIFF phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1299		11300	DIFF three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1300		11301	DIFFH phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1301		11302	DIFFH phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1302		11303	DIFFH phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1303		11304	DIFFH three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1304		11305	RGFH: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1305		11306	RGFL: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1306		11307	CO1H phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1307		11308	OC1H phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1308		11309	OC1H phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1309		11310	OC1H three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1310		11311	OC1H N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1311		11312	OC1L phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1312		11313	OC1L phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1313		11314	OC1L phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1314		11315	OC1L three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1315		11316	OC1L N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1316		11317	CO2H phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1317		11318	OC2H phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1318		11319	OC2H phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1319		11320	OC2H three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1320		11321	OC2H N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1321		11322	OC2L phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1322		11323	OC2L phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1323		11324	OC2L phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1324		11325	OC2L three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1325		11326	OC2L N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1326		11327	CO3H phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1327		11328	OC3H phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1328		11329	OC3H phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1329		11330	OC3H three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1330		11331	OC3H N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1331		11332	OC3L phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1332		11333	OC3L phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1333		11334	OC3L phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1334		11335	OC3L three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1335		11336	OC3L N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1336		11337	CO4H phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1337		11338	OC4H phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1338		11339	OC4H phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1339		11340	OC4H three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1340		11341	OC4H N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1341		11342	OC4L phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1342		11343	OC4L phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1343		11344	OC4L phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1344		11345	OC4L three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1345		11346	OC4L N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1346		11347	THOLH: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1347		11348	THOLL: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1348		11349	OCNEG1H: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1349		11350	OCNEG1L: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1350		11351	OCNEG2H: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1351		11352	OCNEG2L: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1352	2	11353	CBFH phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
1353		11354	CBFH phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1354		11355	CBFH phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1355		11356	CBFH three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1356		11357	CBFH N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1357		11358	CBFL phase A: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1358		11359	CBFL phase B: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1359		11360	CBFL phase C: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1360		11361	CBFL three-phase OR: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1361		11362	CBFL N phase: Confirmation forced control	On	Off	x	x	ON/OFF	Digital Input	
1362		11363	(Reserved)							
1363		11364	(Reserved)							
1364		11365	(Reserved)							
1365		11366	(Reserved)							
1366		11367	(Reserved)							
1367		11368	(Reserved)							
1368		11369	(Reserved)							
1369		11370	(Reserved)							
1370		11371	(Reserved)							
1371		11372	(Reserved)							
1372		11373	(Reserved)							
1373		11374	(Reserved)							
1374		11375	(Reserved)							
1375		11376	(Reserved)							
1376		11377	(Reserved)							
1377		11378	(Reserved)							
1378		11379	(Reserved)							
1379		11380	(Reserved)							
1380		11381	(Reserved)							
1381		11382	(Reserved)							
1382		11383	(Reserved)							
1383		11384	(Reserved)							
1384		11385	(Reserved)							
1385		11386	(Reserved)							
1386		11387	(Reserved)							
1387		11388	(Reserved)							
1388		11389	(Reserved)							
1389		11390	(Reserved)							
1390		11391	(Reserved)							
1391		11392	(Reserved)							
1392		11393	(Reserved)							
1393		11394	(Reserved)							
1394		11395	(Reserved)							
1395		11396	(Reserved)							
1396		11397	(Reserved)							
1397		11398	(Reserved)							
1398		11399	(Reserved)							
1399		11400	(Reserved)							
1400		11401	(Reserved)							
1401		11402	(Reserved)							
1402		11403	(Reserved)							
1403		11404	(Reserved)							
1404		11405	(Reserved)							
1405		11406	(Reserved)							
1406		11407	(Reserved)							
1407		11408	(Reserved)							
1408		11409	(Reserved)							
1409		11410	(Reserved)							
1410		11411	(Reserved)							
1411		11412	(Reserved)							
1412		11413	(Reserved)							
1413		11414	(Reserved)							
1414		11415	(Reserved)							
1415		11416	(Reserved)							
1416		11417	(Reserved)							
1417		11418	(Reserved)							
1418		11419	(Reserved)							
1419		11420	(Reserved)							
1420		11421	(Reserved)							
1421		11422	(Reserved)							
1422		11423	(Reserved)							
1423		11424	(Reserved)							
1424		11425	(Reserved)							
1425		11426	(Reserved)							
1426		11427	(Reserved)							
1427		11428	(Reserved)							
1428		11429	(Reserved)							
1429		11430	(Reserved)							
1430		11431	(Reserved)							
1431		11432	(Reserved)							
1432		11433	(Reserved)							
1433		11434	(Reserved)							
1434		11435	(Reserved)							
1435		11436	(Reserved)							
1436		11437	(Reserved)							
1437		11438	(Reserved)							
1438		11439	(Reserved)							
1439		11440	(Reserved)							
1440		11441	(Reserved)							
1441		11442	(Reserved)							
1442		11443	(Reserved)							
1443		11444	(Reserved)							
1444		11445	(Reserved)							
1445		11446	(Reserved)							
1446		11447	(Reserved)							
1447		11448	(Reserved)							
1448		11449	(Reserved)							
1449		11450	(Reserved)							
1450		11451	(Reserved)							
1451		11452	(Reserved)							
1452		11453	(Reserved)							
1453		11454	(Reserved)							
1454		11455	(Reserved)							
1455		11456	(Reserved)							
1456		11457	(Reserved)							
1457		11458	(Reserved)							
1458		11459	(Reserved)							
1459		11460	(Reserved)							
1460		11461	(Reserved)							
1461		11462	(Reserved)							
1462		11463	(Reserved)							
1463		11464	(Reserved)							
1464		11465	(Reserved)							
1465		11466	(Reserved)							
1466		11467	(Reserved)							
1467		11468	(Reserved)							
1468		11469	(Reserved)							
1469		11470	(Reserved)							
1470		11471	(Reserved)							
1471		11472	(Reserved)							
1472		11473	(Reserved)							
1473		11474	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1474	2	11475	(Reserved)							With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
1475		11476	(Reserved)							
1476		11477	(Reserved)							
1477		11478	(Reserved)							
1478		11479	(Reserved)							
1479		11480	(Reserved)							
1480		11481	(Reserved)							
1481		11482	(Reserved)							
1482		11483	(Reserved)							
1483		11484	(Reserved)							
1484		11485	(Reserved)							
1485		11486	(Reserved)							
1486		11487	(Reserved)							
1487		11488	(Reserved)							
1488		11489	(Reserved)							
1489		11490	(Reserved)							
1490		11491	(Reserved)							
1491		11492	(Reserved)							
1492		11493	(Reserved)							
1493		11494	(Reserved)							
1494		11495	(Reserved)							
1495		11496	(Reserved)							
1496		11497	(Reserved)							
1497		11498	(Reserved)							
1498		11499	(Reserved)							
1499		11500	(Reserved)							
1500		11501	(Reserved)							
1501		11502	(Reserved)							
1502		11503	(Reserved)							
1503		11504	(Reserved)							
1504		11505	(Reserved)							
1505		11506	(Reserved)							
1506		11507	(Reserved)							
1507		11508	(Reserved)							
1508		11509	(Reserved)							
1509		11510	(Reserved)							
1510		11511	(Reserved)							
1511		11512	(Reserved)							
1512		11513	(Reserved)							
1513		11514	(Reserved)							
1514		11515	(Reserved)							
1515		11516	(Reserved)							
1516		11517	(Reserved)							
1517		11518	(Reserved)							
1518		11519	(Reserved)							
1519		11520	(Reserved)							
1520		11521	(Reserved)							
1521		11522	(Reserved)							
1522		11523	(Reserved)							
1523		11524	(Reserved)							
1524		11525	(Reserved)							
1525		11526	(Reserved)							
1526		11527	(Reserved)							
1527		11528	(Reserved)							
1528		11529	(Reserved)							
1529		11530	(Reserved)							
1530		11531	(Reserved)							
1531		11532	(Reserved)							
1532		11533	(Reserved)							
1533		11534	(Reserved)							
1534		11535	(Reserved)							
1535		11536	(Reserved)							
1536		11537	(Reserved)							
1537		11538	(Reserved)							
1538		11539	(Reserved)							
1539		11540	(Reserved)							
1540		11541	(Reserved)							
1541		11542	(Reserved)							
1542		11543	(Reserved)							
1543		11544	(Reserved)							
1544		11545	(Reserved)							
1545		11546	(Reserved)							
1546		11547	(Reserved)							
1547		11548	(Reserved)							
1548		11549	(Reserved)							
1549		11550	(Reserved)							
1550		11551	(Reserved)							
1551		11552	(Reserved)							
1552		11553	DIFF phase A: Confirmation & forced relay control	On	Off	x	x	ON/OFF	Digital Input	
1553		11554	DIFF phase B: Confirmation & forced relay control	On	Off	x	x	ON/OFF	Digital Input	
1554		11555	DIFF phase C: Confirmation & forced relay control	On	Off	x	x	ON/OFF	Digital Input	
1555		11556	DIFF three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1556		11557	DIFFH phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1557		11558	DIFFH phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1558		11559	DIFFH phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1559		11560	DIFFH three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1560		11561	RGFH: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1561		11562	RGFL: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1562		11563	CO1H phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1563		11564	OC1H phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1564		11565	OC1H phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1565		11566	OC1H three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1566		11567	OC1H N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1567		11568	OC1L phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1568		11569	OC1L phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1569		11570	OC1L phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1570		11571	OC1L three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1571		11572	OC1L N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1572		11573	CO2H phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1573		11574	OC2H phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1574		11575	OC2H phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1575		11576	OC2H three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1576	2	11577	OC2H N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	With a "DIGITAL I/O" request from the master station as Function Code: 2, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 10001+16*i • Number of access points = 16*j • i+j<=125 (i=0 to 124, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
1577		11578	OC2L phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1578		11579	OC2L phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1579		11580	OC2L phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1580		11581	OC2L three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1581		11582	OC2L N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1582		11583	CO3H phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1583		11584	OC3H phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1584		11585	OC3H phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1585		11586	OC3H three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1586		11587	OC3H N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1587		11588	OC3L phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1588		11589	OC3L phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1589		11590	OC3L phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1590		11591	OC3L three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1591		11592	OC3L N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1592		11593	CO4H phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1593		11594	OC4H phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1594		11595	OC4H phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1595		11596	OC4H three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1596		11597	OC4H N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1597		11598	OC4L phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1598		11599	OC4L phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1599		11600	OC4L phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1600		11601	OC4L three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1601		11602	OC4L N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1602		11603	THOLH: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1603		11604	THOLL: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1604		11605	OCNEG1H: Confirmation & forced relay control signal	On	Off	x	x	ON/OFF	Digital Input	
1605		11606	OCNEG1L: Confirmation & forced relay control signal	On	Off	x	x	ON/OFF	Digital Input	
1606		11607	OCNEG2H: Confirmation & forced relay control signal	On	Off	x	x	ON/OFF	Digital Input	
1607		11608	OCNEG2L: Confirmation & forced relay control signal	On	Off	x	x	ON/OFF	Digital Input	
1608		11609	CBFH phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1609		11610	CBFH phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1610		11611	CBFH phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1611		11612	CBFH three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1612		11613	CBFH N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1613		11614	CBFL phase A: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1614		11615	CBFL phase B: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1615		11616	CBFL phase C: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1616		11617	CBFL three-phase OR: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1617		11618	CBFL N phase: Confirmation & forced relay control signal OR	On	Off	x	x	ON/OFF	Digital Input	
1618		11619	(Reserved)							
1619		11620	(Reserved)							
1620		11621	(Reserved)							
1621		11622	(Reserved)							
1622		11623	(Reserved)							
1623		11624	(Reserved)							
1624		11625	(Reserved)							
1625		11626	(Reserved)							
1626		11627	(Reserved)							
1627		11628	(Reserved)							
1628		11629	(Reserved)							
1629		11630	(Reserved)							
1630		11631	(Reserved)							
1631		11632	(Reserved)							
1632		11633	(Reserved)							
1633		11634	(Reserved)							
1634		11635	(Reserved)							
1635		11636	(Reserved)							
1636		11637	(Reserved)							
1637		11638	(Reserved)							
1638		11639	(Reserved)							
1639		11640	(Reserved)							
1640		11641	(Reserved)							
1641		11642	(Reserved)							
1642		11643	(Reserved)							
1643		11644	(Reserved)							
1644		11645	(Reserved)							
1645		11646	(Reserved)							
1646		11647	(Reserved)							
1647		11648	(Reserved)							
1648		11649	(Reserved)							
1649		11650	(Reserved)							
1650		11651	(Reserved)							
1651		11652	(Reserved)							
1652		11653	(Reserved)							
1653		11654	(Reserved)							
1654		11655	(Reserved)							
1655		11656	(Reserved)							
1656		11657	(Reserved)							
1657		11658	(Reserved)							
1658		11659	(Reserved)							
1659		11660	(Reserved)							
1660		11661	(Reserved)							
1661		11662	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1662	2	11663	(Reserved)							
1663		11664	(Reserved)							
1664		11665	(Reserved)							
1665		11666	(Reserved)							
1666		11667	(Reserved)							
1667		11668	(Reserved)							
1668		11669	(Reserved)							
1669		11670	(Reserved)							
1670		11671	(Reserved)							
1671		11672	(Reserved)							
1672		11673	(Reserved)							
1673		11674	(Reserved)							
1674		11675	(Reserved)							
1675		11676	(Reserved)							
1676		11677	(Reserved)							
1677		11678	(Reserved)							
1678		11679	(Reserved)							
1679		11680	(Reserved)							
1680		11681	(Reserved)							
1681		11682	(Reserved)							
1682		11683	(Reserved)							
1683		11684	(Reserved)							
1684		11685	(Reserved)							
1685		11686	(Reserved)							
1686		11687	(Reserved)							
1687		11688	(Reserved)							
1688		11689	(Reserved)							
1689		11690	(Reserved)							
1690		11691	(Reserved)							
1691		11692	(Reserved)							
1692		11693	(Reserved)							
1693		11694	(Reserved)							
1694		11695	(Reserved)							
1695		11696	(Reserved)							
1696		11697	(Reserved)							
1697		11698	(Reserved)							
1698		11699	(Reserved)							
1699		11700	(Reserved)							
1700		11701	(Reserved)							
1701		11702	(Reserved)							
1702		11703	(Reserved)							
1703		11704	(Reserved)							
1704		11705	(Reserved)							
1705		11706	(Reserved)							
1706		11707	(Reserved)							
1707		11708	(Reserved)							
1708		11709	(Reserved)							
1709		11710	(Reserved)							
1710		11711	(Reserved)							
1711		11712	(Reserved)							
1712		11713	(Reserved)							
1713		11714	(Reserved)							
1714		11715	(Reserved)							
1715		11716	(Reserved)							
1716		11717	(Reserved)							
1717		11718	(Reserved)							
1718		11719	(Reserved)							
1719		11720	(Reserved)							
1720		11721	(Reserved)							
1721		11722	(Reserved)							
1722		11723	(Reserved)							
1723		11724	(Reserved)							
1724		11725	(Reserved)							
1725		11726	(Reserved)							
1726		11727	(Reserved)							
1727		11728	(Reserved)							
1728		11729	(Reserved)							
1729		11730	(Reserved)							
1730		11731	(Reserved)							
1731		11732	(Reserved)							
1732		11733	(Reserved)							
1733		11734	(Reserved)							
1734		11735	(Reserved)							
1735		11736	(Reserved)							
1736		11737	(Reserved)							
1737		11738	(Reserved)							
1738		11739	(Reserved)							
1739		11740	(Reserved)							
1740		11741	(Reserved)							
1741		11742	(Reserved)							
1742		11743	(Reserved)							
1743		11744	(Reserved)							
1744		11745	(Reserved)							
1745		11746	(Reserved)							
1746		11747	(Reserved)							
1747		11748	(Reserved)							
1748		11749	(Reserved)							
1749		11750	(Reserved)							
1750		11751	(Reserved)							
1751		11752	(Reserved)							
1752		11753	(Reserved)							
1753		11754	(Reserved)							
1754		11755	(Reserved)							
1755		11756	(Reserved)							
1756		11757	(Reserved)							
1757		11758	(Reserved)							
1758		11759	(Reserved)							
1759		11760	(Reserved)							
1760		11761	(Reserved)							
1761		11762	(Reserved)							
1762		11763	(Reserved)							
1763		11764	(Reserved)							
1764		11765	(Reserved)							
1765		11766	(Reserved)							
1766		11767	(Reserved)							
1767		11768	(Reserved)							
1768		11769	(Reserved)							
1769		11770	(Reserved)							
1770		11771	(Reserved)							
1771		11772	(Reserved)							
1772		11773	(Reserved)							
1773		11774	(Reserved)							
1774		11775	(Reserved)							
1775		11776	(Reserved)							
1776		11777	(Reserved)							
1777		11778	(Reserved)							
1778		11779	(Reserved)							
1779		11780	(Reserved)							
1780		11781	(Reserved)							
1781		11782	(Reserved)							
1782		11783	(Reserved)							
1783		11784	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1784	2	11785	(Reserved)							
1785		11786	(Reserved)							
1786		11787	(Reserved)							
1787		11788	(Reserved)							
1788		11789	(Reserved)							
1789		11790	(Reserved)							
1790		11791	(Reserved)							
1791		11792	(Reserved)							
1792		11793	(Reserved)							
1793		11794	(Reserved)							
1794		11795	(Reserved)							
1795		11796	(Reserved)							
1796		11797	(Reserved)							
1797		11798	(Reserved)							
1798		11799	(Reserved)							
1799		11800	(Reserved)							
1800		11801	(Reserved)							
1801		11802	(Reserved)							
1802		11803	(Reserved)							
1803		11804	(Reserved)							
1804		11805	(Reserved)							
1805		11806	(Reserved)							
1806		11807	(Reserved)							
1807		11808	(Reserved)							
1808		11809	(Reserved)							
1809		11810	(Reserved)							
1810		11811	(Reserved)							
1811		11812	(Reserved)							
1812		11813	(Reserved)							
1813		11814	(Reserved)							
1814		11815	(Reserved)							
1815		11816	(Reserved)							
1816		11817	(Reserved)							
1817		11818	(Reserved)							
1818		11819	(Reserved)							
1819		11820	(Reserved)							
1820		11821	(Reserved)							
1821		11822	(Reserved)							
1822		11823	(Reserved)							
1823		11824	(Reserved)							
1824		11825	(Reserved)							
1825		11826	(Reserved)							
1826		11827	(Reserved)							
1827		11828	(Reserved)							
1828		11829	(Reserved)							
1829		11830	(Reserved)							
1830		11831	(Reserved)							
1831		11832	(Reserved)							
1832		11833	(Reserved)							
1833		11834	(Reserved)							
1834		11835	(Reserved)							
1835		11836	(Reserved)							
1836		11837	(Reserved)							
1837		11838	(Reserved)							
1838		11839	(Reserved)							
1839		11840	(Reserved)							
1840		11841	(Reserved)							
1841		11842	(Reserved)							
1842		11843	(Reserved)							
1843		11844	(Reserved)							
1844		11845	(Reserved)							
1845		11846	(Reserved)							
1846		11847	(Reserved)							
1847		11848	(Reserved)							
1848		11849	(Reserved)							
1849		11850	(Reserved)							
1850		11851	(Reserved)							
1851		11852	(Reserved)							
1852		11853	(Reserved)							
1853		11854	(Reserved)							
1854		11855	(Reserved)							
1855		11856	(Reserved)							
1856		11857	(Reserved)							
1857		11858	(Reserved)							
1858		11859	(Reserved)							
1859		11860	(Reserved)							
1860		11861	(Reserved)							
1861		11862	(Reserved)							
1862		11863	(Reserved)							
1863		11864	(Reserved)							
1864		11865	(Reserved)							
1865		11866	(Reserved)							
1866		11867	(Reserved)							
1867		11868	(Reserved)							
1868		11869	(Reserved)							
1869		11870	(Reserved)							
1870		11871	(Reserved)							
1871		11872	(Reserved)							
1872		11873	(Reserved)							
1873		11874	(Reserved)							
1874		11875	(Reserved)							
1875		11876	(Reserved)							
1876		11877	(Reserved)							
1877		11878	(Reserved)							
1878		11879	(Reserved)							
1879		11880	(Reserved)							
1880		11881	(Reserved)							
1881		11882	(Reserved)							
1882		11883	(Reserved)							
1883		11884	(Reserved)							
1884		11885	(Reserved)							
1885		11886	(Reserved)							
1886		11887	(Reserved)							
1887		11888	(Reserved)							
1888		11889	(Reserved)							
1889		11890	(Reserved)							
1890		11891	(Reserved)							
1891		11892	(Reserved)							
1892		11893	(Reserved)							
1893		11894	(Reserved)							
1894		11895	(Reserved)							
1895		11896	(Reserved)							
1896		11897	(Reserved)							
1897		11898	(Reserved)							
1898		11899	(Reserved)							
1899		11900	(Reserved)							
1900		11901	(Reserved)							
1901		11902	(Reserved)							
1902		11903	(Reserved)							
1903		11904	(Reserved)							
1904		11905	(Reserved)							
1905		11906	(Reserved)							

Input Status Map　　Address Range (10001 to 19999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Signal Type	Remarks
1906	2	11907	(Reserved)							
1907		11908	(Reserved)							
1908		11909	(Reserved)							
1909		11910	(Reserved)							
1910		11911	(Reserved)							
1911		11912	(Reserved)							
1912		11913	(Reserved)							
1913		11914	(Reserved)							
1914		11915	(Reserved)							
1915		11916	(Reserved)							
1916		11917	(Reserved)							
1917		11918	(Reserved)							
1918		11919	(Reserved)							
1919		11920	(Reserved)							
1920		11921	(Reserved)							
1921		11922	(Reserved)							
1922		11923	(Reserved)							
1923		11924	(Reserved)							
1924		11925	(Reserved)							
1925		11926	(Reserved)							
1926		11927	(Reserved)							
1927		11928	(Reserved)							
1928		11929	(Reserved)							
1929		11930	(Reserved)							
1930		11931	(Reserved)							
1931		11932	(Reserved)							
1932		11933	(Reserved)							
1933		11934	(Reserved)							
1934		11935	(Reserved)							
1935		11936	(Reserved)							
1936		11937	(Reserved)							
1937		11938	(Reserved)							
1938		11939	(Reserved)							
1939		11940	(Reserved)							
1940		11941	(Reserved)							
1941		11942	(Reserved)							
1942		11943	(Reserved)							
1943		11944	(Reserved)							
1944		11945	(Reserved)							
1945		11946	(Reserved)							
1946		11947	(Reserved)							
1947		11948	(Reserved)							
1948		11949	(Reserved)							
1949		11950	(Reserved)							
1950		11951	(Reserved)							
1951		11952	(Reserved)							
1952		11953	(Reserved)							
1953		11954	(Reserved)							
1954		11955	(Reserved)							
1955		11956	(Reserved)							
1956		11957	(Reserved)							
1957		11958	(Reserved)							
1958		11959	(Reserved)							
1959		11960	(Reserved)							
1960		11961	(Reserved)							
1961		11962	(Reserved)							
1962		11963	(Reserved)							
1963		11964	(Reserved)							
1964		11965	(Reserved)							
1965		11966	(Reserved)							
1966		11967	(Reserved)							
1967		11968	(Reserved)							
1968		11969	(Reserved)							
1969		11970	(Reserved)							
1970		11971	(Reserved)							
1971		11972	(Reserved)							
1972		11973	(Reserved)							
1973		11974	(Reserved)							
1974		11975	(Reserved)							
1975		11976	(Reserved)							
1976		11977	(Reserved)							
1977		11978	(Reserved)							
1978		11979	(Reserved)							
1979		11980	(Reserved)							
1980		11981	(Reserved)							
1981		11982	(Reserved)							
1982		11983	(Reserved)							
1983		11984	(Reserved)							
1984		11985	(Reserved)							
1985		11986	(Reserved)							
1986		11987	(Reserved)							
1987		11988	(Reserved)							
1988		11989	(Reserved)							
1989		11990	(Reserved)							
1990		11991	(Reserved)							
1991		11992	(Reserved)							
1992		11993	(Reserved)							
1993		11994	(Reserved)							
1994		11995	(Reserved)							
1995		11996	(Reserved)							
1996		11997	(Reserved)							
1997		11998	(Reserved)							
1998		11999	(Reserved)							
1999		12000	(Reserved)							

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
0	4	30001	Get measured value 1 (H): Transformer H-side phase A current	x	x	0	1000	A	2	Analog Input	With a "Measured value" request from the master station as Function Code: 4, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 30001+2*i • Number of access points = 2*j • i+j<=60 (i=0 to 59, j=1 to 60) → When an error occurs, the slave will respond with 02: ILLEGAL DATA ADDRESS.
1		30002	Get measured value 1 (L): Transformer H-side phase A current								
2		30003	Get measured value 2 (H): Transformer H-side phase B current	x	x	0	1000	A	2	Analog Input	
3		30004	Get measured value 2 (L): Transformer H-side phase B current								
4		30005	Get measured value 3 (H): Transformer H-side phase C current	x	x	0	1000	A	2	Analog Input	
5		30006	Get measured value 3 (L): Transformer H-side phase C current								
6		30007	Get measured value 4 (H): Transformer H-side zero phase current	x	x	0	1000	A	2	Analog Input	
7		30008	Get measured value 4 (L): Transformer H-side zero phase current								
8		30009	Get measured value 5 (H): Transformer L-side phase A current	x	x	0	1000	A	2	Analog Input	
9		30010	Get measured value 5 (L): Transformer L-side phase A current								
10		30011	Get measured value 6 (H): Transformer L-side phase B current	x	x	0	1000	A	2	Analog Input	
11		30012	Get measured value 6 (L): Transformer L-side phase B current								
12		30013	Get measured value 7 (H): Transformer L-side phase C current	x	x	0	1000	A	2	Analog Input	
13		30014	Get measured value 7 (L): Transformer L-side phase C current								
14		30015	Get measured value 8 (H): Transformer L-side zero phase current	x	x	0	1000	A	2	Analog Input	
15		30016	Get measured value 8 (L): Transformer L-side zero phase current								
16		30017	Get measured value 9 (H): Transformer H-side zero phase (SW combination) current	x	x	0	1000	A	2	Analog Input	
17		30018	Get measured value 9 (L): Transformer H-side zero phase (SW combination) current								
18		30019	Get measured value 10 (H): Transformer H-side positive phase current	x	x	0	1000	A	2	Analog Input	
19		30020	Get measured value 10 (L): Transformer H-side positive phase current								
20		30021	Get measured value 11 (H): Transformer H-side negative phase current	x	x	0	1000	A	2	Analog Input	
21		30022	Get measured value 11 (L): Transformer H-side negative phase current								
22		30023	Get measured value 12 (H): Transformer L-side zero phase (SW combination) current	x	x	0	1000	A	2	Analog Input	
23		30024	Get measured value 12 (L): Transformer L-side zero phase (SW combination) current								
24		30025	Get measured value 13 (H): Transformer L-side positive phase current	x	x	0	1000	A	2	Analog Input	
25		30026	Get measured value 13 (L): Transformer L-side positive phase current								
26		30027	Get measured value 14 (H): Transformer L-side negative phase current	x	x	0	1000	A	2	Analog Input	
27		30028	Get measured value 14 (L): Transformer L-side negative phase current								
28		30029	Get measured value 15 (H): Difference current phase	x	x	0	20000	%	0	Analog Input	
29		30030	Get measured value 15 (L): Difference current phase								
30		30031	Get measured value 16 (H): Difference current phase	x	x	0	20000	%	0	Analog Input	
31		30032	Get measured value 16 (L): Difference current phase								
32		30033	Get measured value 17 (H): Difference current phase	x	x	0	20000	%	0	Analog Input	
33		30034	Get measured value 17 (L): Difference current phase								
34		30035	For exclusive use of manufacturer (not displayed on								
35		30036	For exclusive use of manufacturer (not displayed on								
36		30037	For exclusive use of manufacturer (not displayed on								
37		30038	For exclusive use of manufacturer (not displayed on								
38		30039	For exclusive use of manufacturer (not displayed on								
39		30040	For exclusive use of manufacturer (not displayed on								
40		30041	For exclusive use of manufacturer (not displayed on								
41		30042	For exclusive use of manufacturer (not displayed on								
42		30043	For exclusive use of manufacturer (not displayed on								
43		30044	For exclusive use of manufacturer (not displayed on								
44		30045	For exclusive use of manufacturer (not displayed on								
45		30046	For exclusive use of manufacturer (not displayed on								
46		30047	For exclusive use of manufacturer (not displayed on								
47		30048	For exclusive use of manufacturer (not displayed on								
48		30049	For exclusive use of manufacturer (not displayed on								
49		30050	For exclusive use of manufacturer (not displayed on								
50		30051	Get measured value 18 (H): Transformer H-side difference current (between phase and zero phase)	x	x	0	20000	%	0	Analog Input	
51		30052	Get measured value 18 (L): Transformer H-side difference current (between phase and negative								
52		30053	Get measured value 19 (H): Transformer L-side difference current (between phase and negative	x	x	0	20000	%	0	Analog Input	
53		30054	Get measured value 19 (L): Transformer L-side difference current (between phase and negative								
54		30055	Get measured value 20 (H): Transformer H-side phase A current phase	x	x	0	3599	°LAG	1	Analog Input	
55		30056	Get measured value 20 (L): Transformer H-side phase A current phase								
56		30057	Get measured value 21 (H): Transformer H-side phase B current phase	x	x	0	3599	°LAG	1	Analog Input	
57		30058	Get measured value 21 (L): Transformer H-side phase B current phase								
58		30059	Get measured value 22 (H): Transformer H-side phase C current phase	x	x	0	3599	°LAG	1	Analog Input	
59		30060	Get measured value 22 (L): Transformer H-side phase C current phase								
60		30061	Get measured value 23 (H): Transformer L-side zero phase current phase	x	x	0	3599	°LAG	1	Analog Input	
61		30062	Get measured value 23 (L): Transformer L-side zero phase current phase								
62		30063	Get measured value 24 (H): Transformer L-side phase A current phase	x	x	0	3599	°LAG	1	Analog Input	
63		30064	Get measured value 24 (L): Transformer L-side phase A current phase								
64		30065	Get measured value 25 (H): Transformer L-side phase B current phase	x	x	0	3599	°LAG	1	Analog Input	
65		30066	Get measured value 25 (L): Transformer L-side phase B current phase								
66		30067	Get measured value 26 (H): Transformer L-side phase C current phase	x	x	0	3599	°LAG	1	Analog Input	
67		30068	Get measured value 26 (L): Transformer L-side phase C current phase								
68		30069	Get measured value 27 (H): Transformer L-side zero phase current phase	x	x	0	3599	°LAG	1	Analog Input	
69		30070	Get measured value 27 (L): Transformer L-side zero phase current phase								
70		30071	For exclusive use of manufacturer (not displayed on								
71		30072	For exclusive use of manufacturer (not displayed on								
72		30073	For exclusive use of manufacturer (not displayed on								
73		30074	For exclusive use of manufacturer (not displayed on								
74		30075	For exclusive use of manufacturer (not displayed on								
75		30076	For exclusive use of manufacturer (not displayed on								
76		30077	For exclusive use of manufacturer (not displayed on								
77		30078	For exclusive use of manufacturer (not displayed on								

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
78		30079	For exclusive use of manufacturer (not displayed on								
79	4	30080	For exclusive use of manufacturer (not displayed on								
80		30081	For exclusive use of manufacturer (not displayed on								
81		30082	For exclusive use of manufacturer (not displayed on								
82		30083	For exclusive use of manufacturer (not displayed on								
83		30084	For exclusive use of manufacturer (not displayed on								
84		30085	For exclusive use of manufacturer (not displayed on								
85		30086	For exclusive use of manufacturer (not displayed on								
86		30087	For exclusive use of manufacturer (not displayed on								
87		30088	For exclusive use of manufacturer (not displayed on								
88		30089	For exclusive use of manufacturer (not displayed on								
89		30090	For exclusive use of manufacturer (not displayed on								
90		30091	For exclusive use of manufacturer (not displayed on								
91		30092	For exclusive use of manufacturer (not displayed on								
92		30093	For exclusive use of manufacturer (not displayed on								
93		30094	For exclusive use of manufacturer (not displayed on								
94		30095	For exclusive use of manufacturer (not displayed on								
95		30096	For exclusive use of manufacturer (not displayed on								
96		30097	For exclusive use of manufacturer (not displayed on								
97		30098	For exclusive use of manufacturer (not displayed on								
98		30099	For exclusive use of manufacturer (not displayed on								
99		30100	For exclusive use of manufacturer (not displayed on								
100		30101	For exclusive use of manufacturer (not displayed on								
101		30102	For exclusive use of manufacturer (not displayed on								
102		30103	For exclusive use of manufacturer (not displayed on								
103		30104	For exclusive use of manufacturer (not displayed on								
104		30105	For exclusive use of manufacturer (not displayed on								
105		30106	For exclusive use of manufacturer (not displayed on								
106		30107	For exclusive use of manufacturer (not displayed on								
107		30108	For exclusive use of manufacturer (not displayed on								
108		30109	For exclusive use of manufacturer (not displayed on								
109		30110	For exclusive use of manufacturer (not displayed on								
110		30111	For exclusive use of manufacturer (not displayed on								
111		30112	For exclusive use of manufacturer (not displayed on								
112		30113	For exclusive use of manufacturer (not displayed on								
113		30114	For exclusive use of manufacturer (not displayed on								
114		30115	For exclusive use of manufacturer (not displayed on								
115		30116	For exclusive use of manufacturer (not displayed on								
116		30117	For exclusive use of manufacturer (not displayed on								
117		30118	For exclusive use of manufacturer (not displayed on								
118		30119	For exclusive use of manufacturer (not displayed on								
119		30120	For exclusive use of manufacturer (not displayed on								
149	4	30150	Number of acquired event records	x	x	0	256	No Unit		Analog Input	With an "Event record" request from the master station as Function Code: 4, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 30150+i • Number of access points = j • i+j<=2049 (i=0 to 2048, j=1 to 125) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. "0" will be stored for the data portion with no event record. (Example: If "Number of acquired event records" is "1", trip data #2 through #256 will be "0") The internal data will be erased with "Start erase event records operation". (Note 2)
150		30151	Event record #001: Event item number	x	x	1	256	No Unit		Analog Input	
151		30152	Event record #001: Event status	x	x	0	1	No Unit		Analog Input	
152		30153	Event record #001: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
153		30154	Event record #001: Time of occurrence (BCD time	x	x	0x0101	0x1231	No Unit		Analog Input	
154		30155	Event record #001: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
155		30156	Event record #001: Time of occurrence (BCD time	x	x	0x0000	0x5900	No Unit		Analog Input	
156		30157	Event record #001: Time of occurrence (BCD time milliseconds)	x	x	0x0000	0x0999	No Unit		Analog Input	
157		30158	Event record #001: Time type	x	x	1	4	No Unit		Analog Input	
158		30159	Event record #002								
159		30160									
160		30161									
161		30162									
162		30163									
163		30164									
164		30165									
165		30166									
166		30167	Event record #003								
167		30168									
168		30169									
169		30170									
170		30171									
171		30172									
172		30173									
173		30174									
2190		32191	Event record #256								
2191		32192									
2192		32193									
2193		32194									
2194		32195									
2195		32196									
2196		32197									
2197		32198									
2460	4	32461	Number of acquired monitoring errors	x	x	0	200	No Unit		Analog Input	When start address=32461 ("Number of items of acquired monitoring error data") is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data. (When (start address=32462 or greater) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data.) On MODBUS: • Start address = 32461+i • Number of access points = j • i+j<=2801 (i=0 to 2800, j=1 to 125) "0" will be stored for the data portion with no monitoring error data. (Example: If "Number of items of acquired monitoring data" is "1", monitoring error #2 through #200 will be "0") The internal data will be erased with "Start erase monitoring error data operation". → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
2461		32462	Monitoring error #001: Error code	x	x	Refer to the error code list		No Unit		Analog Input	
2462		32463	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2463		32464	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2464		32465	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2465		32466	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2466		32467	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2467		32468	Monitoring error #001: Detailed error code	x	x			No Unit		Analog Input	
2468		32469	Monitoring error #001: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
2469		32470	Monitoring error #001: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
2470		32471	Monitoring error #001: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
2471		32472	Monitoring error #001: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
2472		32473	Monitoring error #001: Time of occurrence (BCD time milliseconds)	x	x	0x0000	0x0999	No Unit		Analog Input	
2473		32474	Monitoring error #001: Time type	x	x	1	4	No Unit		Analog Input	
2474		32475	Monitoring error #001: CPU ID	x	x	?	?	No Unit		Analog Input	
2475		32476	Monitoring error #002								
2476		32477									
2477		32478									
2478		32479									
2479		32480									
2480		32481									
2481		32482									
2482		32483									
2483		32484									
2484		32485									
2485		32486									
2486		32487									
2487		32488									
2488		32489									
2489		32490	Monitoring error #003								
2490		32491									
2491		32492									
2492		32493									
2493		32494									
2494		32495									
2495		32496									
2496		32497									
2497		32498									
2498		32499									
2499		32500									
2500		32501									
2501		32502									
2502		32503									

Input Register Map Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
5247	4	35248	Monitoring error #200								
5248		35249									
5249		35250									
5250		35251									
5251		35252									
5252		35253									
5253		35254									
5254		35255									
5255		35256									
5256		35257									
5257		35258									
5258		35259									
5259		35260									
5260		35261									
5470	4	35471	Number of acquired access records	x	x	0	128	No Unit		Analog Input	When (start address=35471 ("Number of items of acquired access record data")) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data. (When (start address=35472 or greater) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data.) On MODBUS: • Start address = 35471+i • Number of access points = j • i+j<=1025 (i=0 to 1024, j=1 to 125) "0" will be stored for the data portion with no monitoring error data. (Example: If "Number of items of acquired access record data" is "1", monitoring error #2 through #128 will be "0") → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. (Note 3)
5471		35472	Access record #001: Access item number	x	x	0	0x65535	No Unit		Analog Input	
5472		35473	Access record #001: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
5473		35474	Access record #001: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
5474		35475	Access record #001: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
5475		35476	Access record #001: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
5476		35477	Access record #001: Time of occurrence (BCD time milliseconds)	x	x	0x0000	0x0999	No Unit		Analog Input	
5477		35478	Access record #001: Time type	x	x	1	4	No Unit		Analog Input	
5478		35479	Access record #001: Access source			0	3	No Unit		Analog Input	
5479		35480	Access record #002								
5480		35481									
5481		35482									
5482		35483									
5483		35484									
5484		35485									
5485		35486									
5486		35487									
5487		35488	Access record #003								
5488		35489									
5489		35490									
5490		35491									
5491		35492									
5492		35493									
5493		35494									
5494		35495									
6487		36488	Access record #128								
6488		36489									
6489		36490									
6490		36491									
6491		36492									
6492		36493									
6493		36494									
6494		36495									
6630	4	36631	Number of acquired accident records	x	x	0	5	No Unit		Analog Input	When (start address=36631 ("Number of acquired accident records")) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the records. (When (start address=36632 or greater) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data.) On MODBUS: • Start address = 36631+i • Number of access points = j • i+j<=341 (i=0 to 340, j=1 to 125) "0" will be stored for the data portion with no accident record. (Example: If "Number of acquired accident records" is "1", monitoring error #2 through #5 will be "0") → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If the residual type, zero phase current (combination) will be allocated to measured value 15, and measured values 15 to 27 listed to the left will be allocated to measured values 16 to 28.
6631		36632	Accident record #1: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
6632		36633	Accident record #1: Time of occurrence (BCD time	x	x	0x0101	0x1231	No Unit		Analog Input	
6633		36634	Accident record #1: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
6634		36635	Accident record #1: Time of occurrence (BCD time	x	x	0x0000	0x5900	No Unit		Analog Input	
6635		36636	Accident record #1: Time of occurrence (BCD time milliseconds)	x	x	0x0000	0x0999	No Unit		Analog Input	
6636		36637	Accident record #1: Time type	x	x	1	4	No Unit		Analog Input	
6637		36638	Accident record #1: Trip cause (H)	x	x	Accident record cause index bit information		No Unit		Analog Input	
6638		36639	Accident record #1: Trip cause (L)	x	x			No Unit		Analog Input	
6639		36640	Accident record #1: Measured value 1 (H): Transformer H-side phase A current	x	x	0	1000	A	2	Analog Input	
6640		36641	Accident record #1: Measured value 1 (L): Transformer H-side phase A current								
6641		36642	Accident record #1: Measured value 2 (H): Transformer H-side phase B current	x	x	0	1000	A	2	Analog Input	
6642		36643	Accident record #1: Measured value 2 (L): Transformer H-side phase B current								
6643		36644	Accident record #1: Measured value 3 (H): Transformer H-side phase C current	x	x	0	1000	A	2	Analog Input	
6644		36645	Accident record #1: Measured value 3 (L): Transformer H-side phase C current								
6645		36646	Accident record #1: Measured value 4 (H): Transformer H-side zero phase current	x	x	0	1000	A	2	Analog Input	
6646		36647	Accident record #1: Measured value 4 (L): Transformer H-side zero phase current								
6647		36648	Accident record #1: Measured value 5 (H): Transformer L-side phase A current	x	x	0	1000	A	2	Analog Input	
6648		36649	Accident record #1: Measured value 5 (L): Transformer L-side phase A current								
6649		36650	Accident record #1: Measured value 6 (H): Transformer L-side phase B current	x	x	0	1000	A	2	Analog Input	
6650		36651	Accident record #1: Measured value 6 (L): Transformer L-side phase B current								
6651		36652	Accident record #1: Measured value 7 (H): Transformer L-side phase C current	x	x	0	1000	A	2	Analog Input	
6652		36653	Accident record #1: Measured value 7 (L): Transformer L-side phase C current								
6653		36654	Accident record #1: Measured value 8 (H): Transformer L-side zero phase current	x	x	0	1000	A	2	Analog Input	
6654		36655	Accident record #1: Measured value 8 (L): Transformer L-side zero phase current								
6655		36656	Accident record #1: Measured value 9 (H): Transformer H-side zero phase (SW combination) current	x	x	0	1000	A	2	Analog Input	
6656		36657	Accident record #1: Measured value 9 (L): Transformer H-side zero phase (SW combination) current								
6657		36658	Accident record #1: Measured value 10 (H): Transformer H-side positive phase current	x	x	0	1000	A	2	Analog Input	
6658		36659	Accident record #1: Measured value 10 (L): Transformer H-side positive phase current								
6659		36660	Accident record #1: Measured value 11 (H): Transformer H-side negative phase current	x	x	0	1000	A	2	Analog Input	
6660		36661	Accident record #1: Measured value 11 (L): Transformer H-side negative phase current								
6661		36662	Accident record #1: Measured value 12 (H): Transformer L-side zero phase (SW combination) current	x	x	0	1000	A	2	Analog Input	
6662		36663	Accident record #1: Measured value 12 (L): Transformer L-side zero phase (SW combination) current								
6663		36664	Accident record #1: Measured value 13 (H): Transformer L-side positive phase current	x	x	0	1000	A	2	Analog Input	
6664		36665	Accident record #1: Measured value 13 (L): Transformer L-side positive phase current								
6665		36666	Accident record #1: Measured value 14 (H): Transformer L-side negative phase current	x	x	0	1000	A	2	Analog Input	
6666		36667	Accident record #1: Measured value 14 (L): Transformer L-side negative phase current								
6667		36668	Accident record #1: Measured value 15 (H): Difference current phase A	x	x	0	20000	%	0	Analog Input	
6668		36669	Accident record #1: Measured value 15 (L): Difference current phase A								

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
6669	4	36670	Accident record #1: Measured value 16 (H): Difference current phase B	x	x	0	20000	%	0	Analog Input	When (start address=36631 ("Number of acquired accident records")) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the records. (When (start address=36632 or greater) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data.) On MODBUS: • Start address = 36631+i • Number of access points = j • i+j<=341 (i=0 to 340, j=1 to 125) "0" will be stored for the data portion with no accident record. (Example: If "Number of acquired accident records" is "1", monitoring error #2 through #5 will be "0") → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If the residual type, zero phase current (combination) will be allocated to measured value 15, and measured values 15 to 27 listed to the left will be allocated to measured values 16 to 28.
6670		36671	Accident record #1: Measured value 16 (L): Difference								
6671		36672	Accident record #1: Measured value 17 (H): Difference current phase C	x	x	0	20000	%	0	Analog Input	
6672		36673	Accident record #1: Measured value 17 (L): Difference								
6673		36674	Accident record #1: Measured value 18 (H): Transformer H-side difference current (between phase and zero phase)	x	x	0	20000	%	0	Analog Input	
6674		36675	Accident record #1: Measured value 18 (L): Transformer H-side difference current (between phase and zero phase)								
6675		36676	Accident record #1: Measured value 19 (H): Transformer L-side difference current (between phase and zero phase)	x	x	0	20000	%	0	Analog Input	
6676		36677	Accident record #1: Measured value 19 (L): Transformer L-side difference current (between phase and zero phase)								
6677		36678	Accident record #1: Measured value 20 (H): Transformer H-side phase A current phase	x	x	0	3599	°LAG	1	Analog Input	
6678		36679	Accident record #1: Measured value 20 (L): Transformer H-side phase A current phase								
6679		36680	Accident record #1: Measured value 21 (H): Transformer H-side phase B current phase	x	x	0	3599	°LAG	1	Analog Input	
6680		36681	Accident record #1: Measured value 21 (L): Transformer H-side phase B current phase								
6681		36682	Accident record #1: Measured value 22 (H): Transformer H-side phase C current phase	x	x	0	3599	°LAG	1	Analog Input	
6682		36683	Accident record #1: Measured value 22 (L): Transformer H-side phase C current phase								
6683		36684	Accident record #1: Measured value 23 (H): Transformer H-side zero phase current phase	x	x	0	3599	°LAG	1	Analog Input	
6684		36685	Accident record #1: Measured value 23 (L): Transformer H-side zero phase current phase								
6685		36686	Accident record #1: Measured value 24 (H): Transformer L-side phase A current phase	x	x	0	3599	°LAG	1	Analog Input	
6686		36687	Accident record #1: Measured value 24 (L): Transformer L-side phase A current phase								
6687		36688	Accident record #1: Measured value 25 (H): Transformer L-side phase B current phase	x	x	0	3599	°LAG	1	Analog Input	
6688		36689	Accident record #1: Measured value 25 (L): Transformer L-side phase B current phase								
6689		36690	Accident record #1: Measured value 26 (H): Transformer L-side phase C current phase	x	x	0	3599	°LAG	1	Analog Input	
6690		36691	Accident record #1: Measured value 26 (L): Transformer L-side phase C current phase								
6691		36692	Accident record #1: Measured value 27 (H): Transformer L-side zero phase current phase	x	x	0	3599	°LAG	1	Analog Input	
6692		36693	Accident record #1: Measured value 27 (L): Transformer L-side zero phase current phase								
6693		36694	(Reserved)	x	x						
6694		36695									
6695		36696	(Reserved)	x	x						
6696		36697									
6697		36698	(Reserved)	x	x						
6698		36699									
6903		36904	Accident record #5								
6904		36905									
6905		36906									
6906		36907									
6907		36908									
6908		36909									
6909		36910									
6910		36911									
6911		36912									
6912		36913									
6913		36914									
6914		36915									
6915		36916									
6916		36917									
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6962		36963									
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6965		36966									
6966		36967									
6967		36968									
6968		36969									
6969		36970									
6970		36971									

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
7130	4	37131	Number of acquired items in trip data list	x	x	0	5	No Unit		Analog Input	When (start address=37131 ("Number of acquired items in trip data list")) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data. If an error (a trip) has occurred when "Get trip data list" is requested, the slave will respond with 07: NEGATIVE ACKNOWLEDGE. When (start address=37132 or greater) is received as Function Code: 4, the slave will respond with (MODBUS send) the size of the data. "0" will be stored for the data portion with no trip data. (Example: If "Number of acquired items in trip data list" is "1", trip data #2 through #5 will be "0") The internal data will be erased with "Start erase accident records operation". On MODBUS: • Start address = 37132+i • Number of access points = j • i+j<=55 (i=0 to 54, j=1 to 55) When an error occurs, the slave will respond with 02: ILLEGAL DATA ADDRESS.)
7131		37132	Trip data #1: Phenomenon number (H)	x	x	0x00000000	0x3B9ACA00	No Unit		Analog Input	
7132		37133	Trip data #1: Phenomenon number (L)	x	x			No Unit		Analog Input	
7133		37134	Trip data #1: Storage block number	x	x	1	10	No Unit		Analog Input	
7134		37135	Trip data #1: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
7135		37136	Trip data #1: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
7136		37137	Trip data #1: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
7137		37138	Trip data #1: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
7138		37139	Trip data #1: Time of occurrence (BCD time	x	x	0x0000	0x0999	No Unit		Analog Input	
7139		37140	Trip data #1: Time type	x	x	1	4	No Unit		Analog Input	
7140		37141	Trip data #2: Phenomenon number (H)	x	x	0x00000000	0x3B9ACA00	No Unit		Analog Input	
7141		37142	Trip data #2: Phenomenon number (L)	x	x			No Unit		Analog Input	
7142		37143	Trip data #2: Storage block number	x	x	1	10	No Unit		Analog Input	
7143		37144	Trip data #2: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
7144		37145	Trip data #2: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
7145		37146	Trip data #2: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
7146		37147	Trip data #2: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
7147		37148	Trip data #2: Time of occurrence (BCD time	x	x	0x0000	0x0999	No Unit		Analog Input	
7148		37149	Trip data #2: Time type	x	x	1	4	No Unit		Analog Input	
7149		37150	Trip data #3: Phenomenon number (H)	x	x	0x00000000	0x3B9ACA00	No Unit		Analog Input	
7150		37151	Trip data #3: Phenomenon number (L)	x	x			No Unit		Analog Input	
7151		37152	Trip data #3: Storage block number	x	x	1	10	No Unit		Analog Input	
7152		37153	Trip data #3: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
7153		37154	Trip data #3: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
7154		37155	Trip data #3: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
7155		37156	Trip data #3: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
7156		37157	Trip data #3: Time of occurrence (BCD time	x	x	0x0000	0x0999	No Unit		Analog Input	
7157		37158	Trip data #3: Time type	x	x	1	4	No Unit		Analog Input	
7158		37159	Trip data #4: Phenomenon number (H)	x	x	0x00000000	0x3B9ACA00	No Unit		Analog Input	
7159		37160	Trip data #4: Phenomenon number (L)	x	x			No Unit		Analog Input	
7160		37161	Trip data #4: Storage block number	x	x	1	10	No Unit		Analog Input	
7161		37162	Trip data #4: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
7162		37163	Trip data #4: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
7163		37164	Trip data #4: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
7164		37165	Trip data #4: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
7165		37166	Trip data #4: Time of occurrence (BCD time	x	x	0x0000	0x0999	No Unit		Analog Input	
7166		37167	Trip data #4: Time type	x	x	1	4	No Unit		Analog Input	
7167		37168	Trip data #5: Phenomenon number (H)	x	x	0x00000000	0x3B9ACA00	No Unit		Analog Input	
7168		37169	Trip data #5: Phenomenon number (L)	x	x			No Unit		Analog Input	
7169		37170	Trip data #5: Storage block number	x	x	1	10	No Unit		Analog Input	
7170		37171	Trip data #5: Time of occurrence (BCD time year/month/day (H))	x	x	0x1970	0x2069	No Unit		Analog Input	
7171		37172	Trip data #5: Time of occurrence (BCD time year/month/day (L))	x	x	0x0101	0x1231	No Unit		Analog Input	
7172		37173	Trip data #5: Time of occurrence (BCD time hour/minute/second (H))	x	x	0x0000	0x2359	No Unit		Analog Input	
7173		37174	Trip data #5: Time of occurrence (BCD time hour/minute/second (L))	x	x	0x0000	0x5900	No Unit		Analog Input	
7174		37175	Trip data #5: Time of occurrence (BCD time	x	x	0x0000	0x0999	No Unit		Analog Input	
7175		37176	Trip data #5: Time type	x	x	1	4	No Unit		Analog Input	
7176		37177									
7177		37178									
7178		37179									
7179		37180									
7180		37181									
7181		37182									
7182		37183									
7183		37184									
7184		37185									
7185		37186									
7186		37187									
7187		37188									
7188		37189									
7189		37190									
7190		37191									
7191		37192									
7192		37193									
7193		37194									
7194		37195									
7195		37196									
7196		37197									
7197		37198									
7198		37199									
7199		37200									
7200		37201									
7201		37202									
7202		37203									
7203		37204									
7204		37205									
7205		37206									
7206		37207									
7207		37208									
7208		37209									
7209		37210									
7210		37211									
7211		37212									
7212		37213									
7213		37214									
7214		37215									
7215		37216									
7216		37217									
7217		37218									
7218		37219									
7219		37220									
7220		37221									
7221		37222									
7222		37223									
7223		37224									
7224		37225									
7225		37226									
7226		37227									
7227		37228									
7228		37229									
7229		37230									

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
7230	4	37231	Get trip data (trip header/model-specific data) phenomenon number (H)	x	x	1	10^9	No Unit		Analog Input	This memory stores the results of the get trip data (trip header/model-specific data) request (a request as Function Code: 16 to Holding Register 44101 to 44103). This memory is entirely "0" if no get trip data (trip header/model-specific data) request has been made. On MODBUS: • Start address = 37231+i • Number of access points = j • i+j<=63 (i=0 to 62, j=1 to 63) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
7231		37232	Get trip data (trip header/model-specific data) phenomenon number (L)	x	x			No Unit		Analog Input	
7232		37233	Get trip data (trip header/model-specific data) block number	x	x	1	10	No Unit		Analog Input	
7233		37234	Same as above: CT secondary processing value 1	x	x	Fixed value		No Unit		Analog Input	
7234		37235	Same as above: CT secondary processing value 2	x	x	Fixed value		No Unit		Analog Input	
7235		37236	Same as above: CT secondary processing value 3	x	x	Fixed value		No Unit		Analog Input	
7236		37237	Same as above: CT secondary processing value 4	x	x	Fixed value		No Unit		Analog Input	
7237		37238	Same as above: CT secondary processing value 5	x	x	Fixed value		No Unit		Analog Input	
7238		37239	Same as above: CT secondary processing value 6	x	x	Fixed value		No Unit		Analog Input	
7239		37240	Same as above: CT secondary processing value 7	x	x	Fixed value		No Unit		Analog Input	
7240		37241	Same as above: CT secondary processing value 8	x	x	Fixed value		No Unit		Analog Input	
7241		37242	(Reserved)								
7242		37243	(Reserved)								
7243		37244	(Reserved)								
7244		37245	(Reserved)								
7245		37246	(Reserved)								
7246		37247	(Reserved)								
7247		37248	(Reserved)								
7248		37249	(Reserved)								
7249		37250	(Reserved)								
7250		37251	(Reserved)								
7251		37252	(Reserved)								
7252		37253	(Reserved)								
7253		37254	(Reserved)								
7254		37255	(Reserved)								
7255		37256	(Reserved)								
7256		37257	(Reserved)								
7257		37258	(Reserved)								
7258		37259	(Reserved)								
7259		37260	(Reserved)								
7260		37261	(Reserved)								
7261		37262	(Reserved)								
7262		37263	(Reserved)								
7263		37264	(Reserved)								
7264		37265	(Reserved)								
7265		37266	(Reserved)								
7266		37267	(Reserved)								
7267		37268	(Reserved)								
7268		37269	(Reserved)								
7269		37270	(Reserved)								
7270		37271	(Reserved)								
7271		37272	(Reserved)								
7272		37273	(Reserved)								
7273		37274	(Reserved)								
7274		37275	(Reserved)								
7275		37276	(Reserved)								
7276		37277	(Reserved)								
7277		37278	(Reserved)								
7278		37279	(Reserved)								
7279		37280	(Reserved)								
7280		37281	(Reserved)								
7281		37282	(Reserved)								
7282		37283	(Reserved)								
7283		37284	(Reserved)								
7284		37285	(Reserved)								
7285		37286	(Reserved)								
7286		37287	(Reserved)								
7287		37288	(Reserved)								
7288		37289	(Reserved)								
7289		37290	Same as above: 30° analog data word count	x	x	0	56	No Unit		Analog Input	
7290		37291	Same as above: 30° flag data word count	x	x	0	56	No Unit		Analog Input	
7291		37292	Same as above: Number of items of history data (saved IT count)	x	x	0	14549	No Unit		Analog Input	
7292		37293	Same as above: AI sampling cycle	x	x	15	30	No Unit		Analog Input	
7293		37294	Get trip data (analog/digital data/model-specific data) phenomenon number (H)	x	x	1	10^9	No Unit		Analog Input	This memory stores the results of the get trip data (analog/digital data) request (a request as Function Code: 16 to Holding Register 44104 to 7). This memory is entirely "0" if no get trip data (analog/digital data) request has been made. On MODBUS: • Start address = 37294+i • Number of access points = j • i+j<=60 (i=0 to 59, j=1 to 60) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
7294		37295	Get trip data (analog/digital data/model-specific data) phenomenon number (L)	x	x			No Unit		Analog Input	
7295		37296	Get trip data (analog/digital data) block number	x	x	1	10	No Unit		Analog Input	
7296		37297	Same as above: Record number	x	x	0	aved IT count	No Unit		Analog Input	
7297		37298	Same as above: Analog data (Va/Vab)	x	x	-32767	32767	No Unit		Analog Input	
7298		37299	Same as above: Analog data (Vb/Vbc)	x	x	-32767	32767	No Unit		Analog Input	
7299		37300	Same as above: Analog data (Vc/Vca)	x	x	-32767	32767	No Unit		Analog Input	
7300		37301	Same as above: Analog data (Vn)	x	x	-32767	32767	No Unit		Analog Input	
7301		37302	Same as above: Analog data (Ia)	x	x	-32767	32767	No Unit		Analog Input	
7302		37303	Same as above: Analog data (Ib)	x	x	-32767	32767	No Unit		Analog Input	
7303		37304	Same as above: Analog data (Ic)	x	x	-32767	32767	No Unit		Analog Input	
7304		37305	Same as above: Analog data (In)	x	x	-32767	32767	No Unit		Analog Input	
7305		37306	Same as above: Digital data 1	x	x	Refer to (Note 5)		No Unit		Digital Input	
7306		37307	Same as above: Digital data 2	x	x			No Unit		Digital Input	
7307		37308	Same as above: Digital data 3	x	x			No Unit		Digital Input	
7308		37309	Same as above: Digital data 4	x	x			No Unit		Digital Input	
7309		37310	Same as above: Digital data 5	x	x			No Unit		Digital Input	
7310		37311	Same as above: Digital data 6	x	x			No Unit		Digital Input	
7311		37312	Same as above: Digital data 7	x	x			No Unit		Digital Input	
7312		37313	Same as above: Digital data 8	x	x			No Unit		Digital Input	
7313		37314	Same as above: Digital data 9	x	x			No Unit		Digital Input	
7314		37315	Same as above: Digital data 10	x	x			No Unit		Digital Input	
7315		37316	Same as above: Digital data 11	x	x			No Unit		Digital Input	
7316		37317	Same as above: Digital data 12	x	x			No Unit		Digital Input	
7317		37318	(Reserved)								
7318		37319	(Reserved)								
7319		37320	(Reserved)								
7320		37321	(Reserved)								
7321		37322	(Reserved)								
7322		37323	(Reserved)								
7323		37324	(Reserved)								
7324		37325	(Reserved)								
7325		37326	(Reserved)								
7326		37327	(Reserved)								
7327		37328	(Reserved)								
7328		37329	(Reserved)								
7329		37330	(Reserved)								
7330		37331	(Reserved)								
7331		37332	(Reserved)								
7332		37333	(Reserved)								
7333		37334	(Reserved)								
7334		37335	(Reserved)								
7335		37336	(Reserved)								
7336		37337	(Reserved)								
7337		37338	(Reserved)								
7338		37339	(Reserved)								
7339		37340	(Reserved)								
7340		37341	(Reserved)								
7341		37342	(Reserved)								
7342		37343	(Reserved)								
7343		37344	(Reserved)								
7344		37345	(Reserved)								
7345		37346	(Reserved)								
7346		37347	(Reserved)								
7347		37348	(Reserved)								
7348		37349	(Reserved)								
7349		37350	(Reserved)								

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
7350	4	37351	(Reserved)								
7351		37352	(Reserved)								
7352		37353	(Reserved)								
7374	4	37375	Monitoring data 1 (trip counter (H))	x	x	0	10000	time(s)	0	Digital Input	With a "Monitoring data" request from the master station as Function Code: 4, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 37375+2*i • Number of access points = 2*j • i+j<=50 (i=0 to 49, j=1 to 50) → When an error occurs, the slave will respond with 02: ILLEGAL DATA ADDRESS.
7375		37376	Monitoring data 2 (trip counter (L))	x	x					Digital Input	
7376		37377	Monitoring data 3 (trip counter ALARM (H))	x	x	1	10000	time(s)	0	Digital Input	
7377		37378	Monitoring data 4 (trip counter ALARM (L))	x	x					Digital Input	
7378		37379	(Reserved)								
7379		37380	(Reserved)								
7380		37381	(Reserved)								
7381		37382	(Reserved)								
7382		37383	(Reserved)								
7383		37384	(Reserved)								
7384		37385	(Reserved)								
7385		37386	(Reserved)								
7386		37387	(Reserved)								
7387		37388	(Reserved)								
7388		37389	(Reserved)								
7389		37390	(Reserved)								
7390		37391	Monitoring data 17 (THOLH counter value (H))	x	x	0	999999	%	0	Digital Input	
7391		37392	Monitoring data 18 (THOLH counter value (L))	x	x					Digital Input	
7392		37393	Monitoring data 19 (THOLH ALARM (H))	x	x	0	999999	%	1	Digital Input	
7393		37394	Monitoring data 20 (THOLH ALARM (L))	x	x					Digital Input	
7394		37395	Monitoring data 21 (THOLL counter value (H))	x	x	0	999999	%	2	Digital Input	
7395		37396	Monitoring data 22 (THOLL counter value (L))	x	x					Digital Input	
7396		37397	Monitoring data 23 (THOLL ALARM (H))	x	x	0	999999	%	3	Digital Input	
7397		37398	Monitoring data 24 (THOLL ALARM (L))	x	x					Digital Input	
7398		37399	(Reserved)								
7399		37400	(Reserved)								
7400		37401	(Reserved)								
7401		37402	(Reserved)								
7402		37403	(Reserved)								
7403		37404	(Reserved)								
7404		37405	(Reserved)								
7405		37406	(Reserved)								
7406		37407	(Reserved)								
7407		37408	(Reserved)								
7408		37409	(Reserved)								
7409		37410	(Reserved)								
7410		37411	(Reserved)								
7411		37412	(Reserved)								
7412		37413	(Reserved)								
7413		37414	(Reserved)								
7414		37415	(Reserved)								
7415		37416	(Reserved)								
7416		37417	(Reserved)								
7417		37418	(Reserved)								
7418		37419	(Reserved)								
7419		37420	(Reserved)								
7420		37421	(Reserved)								
7421		37422	(Reserved)								
7422		37423	(Reserved)								
7423		37424	(Reserved)								
7424		37425	(Reserved)								
7425		37426	(Reserved)								
7426		37427	(Reserved)								
7427		37428	(Reserved)								
7428		37429	(Reserved)								
7429		37430	(Reserved)								
7430		37431	(Reserved)								
7431		37432	(Reserved)								
7432		37433	(Reserved)								
7433		37434	(Reserved)								
7434		37435	(Reserved)								
7435		37436	(Reserved)								
7436		37437	(Reserved)								
7437		37438	(Reserved)								
7438		37439	(Reserved)								
7439		37440	(Reserved)								
7440		37441	(Reserved)								
7441		37442	(Reserved)								
7442		37443	(Reserved)								
7443		37444	(Reserved)								
7444		37445	(Reserved)								
7445		37446	(Reserved)								
7446		37447	(Reserved)								
7447		37448	(Reserved)								
7448		37449	(Reserved)								
7449		37450	(Reserved)								
7450		37451	(Reserved)								
7451		37452	(Reserved)								
7452		37453	(Reserved)								
7453		37454	(Reserved)								
7454		37455	(Reserved)								
7455		37456	(Reserved)								
7456		37457	(Reserved)								
7457		37458	(Reserved)								
7458		37459	(Reserved)								
7459		37460	(Reserved)								
7460		37461	(Reserved)								
7461		37462	(Reserved)								
7462		37463	(Reserved)								
7463		37464	(Reserved)								
7464		37465	(Reserved)								
7465		37466	(Reserved)								
7466		37467	(Reserved)								
7467		37468	(Reserved)								
7468		37469	(Reserved)								
7469		37470	(Reserved)								
7470		37471	(Reserved)								
7471		37472	(Reserved)								
7472		37473	(Reserved)								
7473		37474	(Reserved)								

Input Register Map　　Address Range (30001 to 39999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.)	Range (Max.)	Engineering Unit	Scale	Signal Type	Remarks
9800	4	39801	Check LED reset	x	x			No Unit		Digital Input	• Start address = 39801 • Number of access points = 1 (Note 1)
9801		39802	Check event record erasure	x	x			No Unit		Digital Input	• Start address = 39802 • Number of access points = 1 (Note 1)
9802		39803	Check monitoring error erasure	x	x			No Unit		Digital Input	• Start address = 39803 • Number of access points = 1 (Note 1)
9803		39804	Check access record erasure	x	x			No Unit		Digital Input	• Start address = 39804 • Number of access points = 1 (Note 1)
9804		39805	Check accident record erasure	x	x			No Unit		Digital Input	• Start address = 39805 • Number of access points = 1 (Note 1)
9805		39806	Check active group writing	x	x			No Unit		Digital Input	• Start address = 39806 • Number of access points = 1 (Note 1)
9806		39807	Check group 1 setting value data writing	x	x			No Unit		Digital Input	• Start address = 39807 • Number of access points = 1 (Note 1)
9807		39808	Check group 2 setting value data writing	x	x			No Unit		Digital Input	• Start address = 39808 • Number of access points = 1 (Note 1)
9808		39809	Check common setting value data writing	x	x			No Unit		Digital Input	• Start address = 39809 • Number of access points = 1 (Note 1)
9809		39810	Check get event record request	x	x			No Unit		Digital Input	• Start address = 39810 • Number of access points = 1 (Note 1)
9810		39811	Check get monitoring error record request	x	x			No Unit		Digital Input	• Start address = 39811 • Number of access points = 1 (Note 1)
9811		39812	Check get access record request	x	x			No Unit		Digital Input	• Start address = 39812 • Number of access points = 1 (Note 1)
9812		39813	Check get accident record request	x	x			No Unit		Digital Input	• Start address = 39813 • Number of access points = 1 (Note 1)
9813		39814	Check CB status	x	x			No Unit		Digital Input	• Start address = 39814 • Number of access points = 1 (Note 1)
9814		39815	Check open interlock status	x	x			No Unit		Digital Input	• Start address = 39815 • Number of access points = 1 (Note 1)
9815		39816	Check CB open control availability conditions	x	x			No Unit		Digital Input	• Start address = 39816 • Number of access points = 1 (Note 1)
9816		39817	Check close interlock status	x	x			No Unit		Digital Input	• Start address = 39817 • Number of access points = 1 (Note 1)
9817		39818	Check CB close control availability conditions	x	x			No Unit		Digital Input	• Start address = 39818 • Number of access points = 1 (Note 1)
9818		39819	Check CB open control completion	x	x			No Unit		Digital Input	• Start address = 39819 • Number of access points = 1 (Note 1)
9819		39820	Check CB close control completion	x	x			No Unit		Digital Input	• Start address = 39820 • Number of access points = 1 (Note 1)
9820		39821	Check test mode	x	x			No Unit		Digital Input	• Start address = 39821 • Number of access points = 1 (Note 1)
9821		39822	Check test mode setter	x	x			No Unit		Digital Input	• Start address = 39822 • Number of access points = 1 (Note 1)

Response data list (Note 1)

Address	Data
39801	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39802	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39803	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39804	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39805	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39806	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39807	0: Not completed, 1: Normally completed, 10: Range step, AAAA: Timeout, Other: Abnormal completion
39808	0: Not completed, 1: Normally completed, 10: Range step, AAAA: Timeout, Other: Abnormal completion
39809	0: Not completed, 1: Normally completed, 11: Range step, AAAA: Timeout, Other: Abnormal completion
39810	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39811	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39812	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39813	0: Not completed, 1: Normally completed, AAAA: Timeout, Other: Abnormal completion
39814	0: Closed, 1: Opened
39815	0: Interlock disabled (controllable), 1: Interlock enabled (not controllable)
39816	0: Not controllable, 1: Controllable
39817	0: Interlock disabled (controllable), 1: Interlock enabled (not controllable)
39818	0: Not controllable, 1: Controllable
39819	0: Being controlled, 1: Control completed, 2: No control request, 3: Control failure (timeout), 4: Control failure (same direction control), 5: Control failure (interlock failure), 6: Control failure (no control rights), 7: Control failure (DI starting)
39820	0: Being controlled, 1: Control completed, 2: No control request, 3: Control failure (timeout), 4: Control failure (same direction control), 5: Control failure (interlock failure), 6: Control failure (no control rights), 7: Control failure (DI starting)
39821	0: Normal operation, 1: Test mode
39822	0: Normal operation, 1: Panel, 2: GRIFFIN, 3: MODBUS

(Note 2) Event record item numbers

Item number	Event details
1	DI1 status
2	DI2 status
3	DI3 status
4	DI4 status
5	DI5 status
6	DI6 status
7	DI7 status
8	DI8 status
9	Reserved
10	Reserved
11	Reserved
12	Reserved
13	Reserved
14	DO1 status
15	DO2 status
16	DO3 status
17	DO4 status
18	DO5 status
19	DO6 status
20	DO7 status
21	DO8 status
22	Reserved
23	Reserved
24	Reserved
25	Reserved
26	Reserved
27	Trip counter ALARM
28	Reserved
29	Difference current monitoring phase A: Confirmation
30	Difference current monitoring phase B: Confirmation
31	CB status
32	INTERLOCK signal (OPEN)
33	INTERLOCK signal (CLOSE)
34	CB open controllable
35	CB close controllable
36	CB control successful
37	CB control failed
38	CB OPEN control (local)
39	CB CLOSE control (local)
40	CB CLOSE command
41	CB OPEN command
42	Local/remote
43	Difference current monitoring phase C: Confirmation
44	THOL test
45	Detect either DIFFSV phase A, B, or C (OR detection)
46	Open operation prohibited setting status
47	Close operation prohibited setting status
48	Interlock used/not used setting status
49	Improper selection
50	Control successful
51	No control rights/operation prohibited
52	Same directional control
53	Interlock conditions not satisfied
54	Timeout
55	Close control command
56	Open control command
57	Close-side interlock
58	Open-side interlock
59	CB control DI starting
60	Either DIFFSV phase A, B, or C is confirmed (OR confirmation)
61	Zero phase differential (87TN) element H-side: Detection
62	Zero phase differential (87TN) element L-side: Detection
63	Overcurrent instantaneous (50) element: Stage 1 H-side: Zero phase
64	Overcurrent instantaneous (50) element: Stage 1 L-side: Zero phase
65	Overcurrent instantaneous (50) element: Stage 2 H-side: Zero phase
66	Overcurrent instantaneous (50) element: Stage 2 L-side: Zero phase detection
67	Overcurrent instantaneous (50) element: Stage 3 H-side: Zero phase
68	Overcurrent instantaneous (50) element: Stage 3 L-side: Zero phase
69	Overcurrent time limit (51) element H-side: Zero phase detection
70	Overcurrent time limit (51) element L-side: Zero phase detection
71	Overload (49) element H-side: Detection
72	Overload (49) element L-side: Detection
73	Negative phase overcurrent (46) element: Stage 1 H-side: Detection
74	Negative phase overcurrent (46) element: Stage 1 L-side: Detection
75	Negative phase overcurrent (46) element: Stage 2 H-side: Detection
76	Negative phase overcurrent (46) element: Stage 2 L-side: Detection
77	Overcurrent (50BF) element for CBF detection H-side: Zero phase detection
78	Overcurrent (50BF) element for CBF detection L-side: Zero phase detection
79	Monitoring error (serious fault) confirmation
80	Monitoring error (minor fault) confirmation
81	Relay lock
82	Monitoring lock
83	Trip counter lock
84	Communication
85	Communication
86	Communication
87	Communication
88	Communication
89	Communication
90	Communication
91	Communication
92	Detect either DIFF phase A, B, or C (OR detection)
93	Detect either INST_DIFF phase A, B, or C (OR detection)
94	Detect either OC1H phase A, B, or C (OR detection)
95	Detect either OC1L phase A, B, or C (OR detection)
96	Detect either OC2H phase A, B, or C (OR detection)
97	Detect either OC2L phase A, B, or C (OR detection)
98	Detect either OC3H phase A, B, or C (OR detection)
99	Detect either OC3L phase A, B, or C (OR detection)
100	Detect either OC4H phase A, B, or C (OR detection)
101	Detect either OC4L phase A, B, or C (OR detection)
102	Detect either CBFH phase A, B, or C (OR detection)
103	Detect either CBFL phase A, B, or C (OR detection)
104	Detect either DIFF2f phase A, B, or C (OR detection)
105	Detect either DIFF5f phase A, B, or C (OR detection)
106	Detect either OC2fH phase A, B, or C (OR detection)
107	Detect either OC2fL phase A, B, or C (OR detection)
108	All elements confirmation OR
109	Pulse signal from the start of saving data until it has completed (excluding the time before the accident)
110	GOOSE1
111	GOOSE2
112	GOOSE3
113	GOOSE4
114	GOOSE5
115	GOOSE6
116	GOOSE7
117	GOOSE8
118	GOOSE9
119	GOOSE10
120	GOOSE11
121	GOOSE12
122	GOOSE13
123	GOOSE14
124	GOOSE15
125	GOOSE16
126	GOOSE17
127	GOOSE18
128	GOOSE19

Item number	Event details
129	GOOSE20
130	GOOSE21
131	GOOSE22
132	GOOSE23
133	GOOSE24
134	GOOSE25
135	GOOSE26
136	GOOSE27
137	GOOSE28
138	GOOSE29
139	GOOSE30
140	GOOSE31
141	GOOSE32
142	GOOSE33
143	GOOSE34
144	GOOSE35
145	GOOSE36
146	GOOSE37
147	CBF/CBFN action conditions (trip signal for other relays)
148	CBF/CBFN action conditions (trip signal for other relays)
149	CBF/CBFN action conditions (trip signal for other relays)
150	DIFF phase A: Confirmation & forced relay control signal OR
151	DIFF phase B: Confirmation & forced relay control signal OR
152	DIFF phase C: Confirmation & forced relay control signal OR
153	DIFF three-phase OR: Confirmation & forced relay control signal OR
154	DIFFH phase A: Confirmation & forced relay control signal OR
155	DIFFH phase B: Confirmation & forced relay control signal OR
156	DIFFH phase C: Confirmation & forced relay control signal OR
157	DIFFH three-phase OR: Confirmation & forced relay control signal OR
158	RGFH: Confirmation & forced relay control signal OR
159	RGFL: Confirmation & forced relay control signal OR
160	CO1H phase A: Confirmation & forced relay control signal OR
161	OC1H phase B: Confirmation & forced relay control signal OR
162	OC1H phase C: Confirmation & forced relay control signal OR
163	OC1H three-phase OR: Confirmation & forced relay control signal OR
164	OC1H N phase: Confirmation & forced relay control signal OR
165	OC1L phase A: Confirmation & forced relay control signal OR
166	OC1L phase B: Confirmation & forced relay control signal OR
167	OC1L phase C: Confirmation & forced relay control signal OR
168	OC1L three-phase OR: Confirmation & forced relay control signal OR
169	OC1L N phase: Confirmation & forced relay control signal OR
170	CO2H phase A: Confirmation & forced relay control signal OR
171	OC2H phase B: Confirmation & forced relay control signal OR
172	OC2H phase C: Confirmation & forced relay control signal OR
173	OC2H three-phase OR: Confirmation & forced relay control signal OR
174	OC2H N phase: Confirmation & forced relay control signal OR
175	OC2L phase A: Confirmation & forced relay control signal OR
176	OC2L phase B: Confirmation & forced relay control signal OR
177	OC2L phase C: Confirmation & forced relay control signal OR
178	OC2L three-phase OR: Confirmation & forced relay control signal OR
179	OC2L N phase: Confirmation & forced relay control signal OR
180	CO3H phase A: Confirmation & forced relay control signal OR
181	OC3H phase B: Confirmation & forced relay control signal OR
182	OC3H phase C: Confirmation & forced relay control signal OR
183	OC3H three-phase OR: Confirmation & forced relay control signal OR
184	OC3H N phase: Confirmation & forced relay control signal OR
185	OC3L phase A: Confirmation & forced relay control signal OR
186	OC3L phase B: Confirmation & forced relay control signal OR
187	OC3L phase C: Confirmation & forced relay control signal OR
188	OC3L three-phase OR: Confirmation & forced relay control signal OR
189	OC3L N phase: Confirmation & forced relay control signal OR
190	CO4H phase A: Confirmation & forced relay control signal OR
191	OC4H phase B: Confirmation & forced relay control signal OR
192	OC4H phase C: Confirmation & forced relay control signal OR
193	OC4H three-phase OR: Confirmation & forced relay control signal OR
194	OC4H N phase: Confirmation & forced relay control signal OR
195	OC4L phase A: Confirmation & forced relay control signal OR
196	OC4L phase B: Confirmation & forced relay control signal OR
197	OC4L phase C: Confirmation & forced relay control signal OR
198	OC4L three-phase OR: Confirmation & forced relay control signal OR
199	OC4L N phase: Confirmation & forced relay control signal OR
200	THOLH: Confirmation & forced relay control signal OR
201	THOLL: Confirmation & forced relay control signal OR
202	OCNEG1H: Confirmation & forced relay control signal OR
203	OCNEG1L: Confirmation & forced relay control signal OR
204	OCNEG2H: Confirmation & forced relay control signal OR
205	OCNEG2L: Confirmation & forced relay control signal OR
206	CBFH phase A: Confirmation & forced relay control signal OR
207	CBFH phase B: Confirmation & forced relay control signal OR
208	CBFH phase C: Confirmation & forced relay control signal OR
209	CBFH three-phase OR: Confirmation & forced relay control signal OR
210	CBFH N phase: Confirmation & forced relay control signal OR
211	CBFL phase A: Confirmation & forced relay control signal OR
212	CBFL phase B: Confirmation & forced relay control signal OR
213	CBFL phase C: Confirmation & forced relay control signal OR
214	CBFL three-phase OR: Confirmation & forced relay control signal OR
215	CBFL N phase: Confirmation & forced relay control signal OR
216	Reserved
217	Reserved
218	
219	
220	
221	
222	
223	
224	
225	
226	
227	
228	
229	
230	
231	
232	
233	
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255	
256	

(Note 3) Access record access codes

Access code	Access details
0001	When group was set
0003	When setting DI detection voltage
0004	When setting data save
0005	When setting password usage
0006	When setting the password
0007	When setting the destination USB connection
0008	When setting the VFD brightness
0009	When setting the trip counter
000A	When setting the motor operation time
000B	When configuring communications (Modbus)
000C	When configuring communications (CC-Link)
000D	When configuring communications (IEC-61850)
0010	When setting the device name
0011	When setting a measured value
0012	When setting the electrical energy
0013	When setting the time information
0014	When setting the control mode
0015	When setting forced DO control
0016	When configuring SNTP
001D	When configuring the PLC
001E	When setting relay setting values
0200	When erasing an accident record
0210	When erasing an error record
0220	When erasing an event record
0240	When setting the time
0300	When starting test settings
0310	When ending test settings
0320	When resetting the LEDs (LED recovery, ALARM recovery, operation
0340	Starting forced control
0350	Canceling forced control
0360	Monitoring lock ON
0370	Monitoring lock OFF
0380	Starting forced relay control
0390	Canceling forced relay control
0520	When performing a CB open/close control operation

Access source codes	Source of operation
0001	Front panel
0002	PC-HMI
0003	Modbus
0004	IEC61850
0005	CC-Link
0006	Device-side auto clear

(Note 4) Accident record cause index bit information

Bit	Modbus address 36639 bit allocation details
0	Either DIFF phase A, B, or C is confirmed (OR confirmation)
1	Either DIFFH phase A, B, or C is confirmed (OR confirmation)
2	Zero phase differential (87TN) element H-side: Confirmation
3	Zero phase differential (87TN) element L-side: Confirmation
4	Either OC1H phase A, B, or C is confirmed (OR confirmation)
5	Overcurrent instantaneous (50) element: Stage 1 H-side: Zero phase
6	Either OC1L phase A, B, or C is confirmed (OR confirmation)
7	Overcurrent instantaneous (50) element: Stage 1 L-side: Zero phase
8	Either OC2H phase A, B, or C is confirmed (OR confirmation)
9	Overcurrent instantaneous (50) element: Stage 2 H-side: Zero phase
10	Either OC2L phase A, B, or C is confirmed (OR confirmation)
11	Overcurrent instantaneous (50) element: Stage 2 L-side: Zero phase
12	Either OC3H phase A, B, or C is confirmed (OR confirmation)
13	Overcurrent instantaneous (50) element: Stage 3 H-side: Zero phase
14	Either OC3L phase A, B, or C is confirmed (OR confirmation)
15	Overcurrent instantaneous (50) element: Stage 3 L-side: Zero phase

Bit	Modbus address 36640 bit allocation details
0	Either OC4H phase A, B, or C is confirmed (OR confirmation)
1	Overcurrent time limit (51) element H-side: Zero phase confirmation
2	Either OC4L phase A, B, or C is confirmed (OR confirmation)
3	Overcurrent time limit (51) element L-side: Zero phase confirmation
4	Overload (49) element H-side: Confirmation
5	Overload (49) element L-side: Confirmation
6	Negative phase overcurrent (46) element: Stage 1 H-side: Confirmation
7	Negative phase overcurrent (46) element: Stage 1 L-side: Confirmation
8	Negative phase overcurrent (46) element: Stage 2 H-side: Confirmation
9	Negative phase overcurrent (46) element: Stage 2 L-side: Confirmation
10	Either CBFH phase A, B, or C is confirmed (OR confirmation)
11	Overcurrent (50BF) element for CBF detection H-side: Zero phase
12	Either CBFL phase A, B, or C is confirmed (OR confirmation)
13	Overcurrent (50BF) element for CBF detection L-side: Zero phase
14	
15	

(Note 5) Trip data (digital data 1 to 12)

Bit	Modbus address 37306 bit allocation details
0	DO1 status
1	DO2 status
2	DO3 status
3	DO4 status
4	DO5 status
5	DO6 status
6	DO7 status
7	DO8 status
8	Reserved
9	Reserved
10	Reserved
11	Reserved
12	Reserved
13	-
14	-
15	-

Bit	Modbus address 37307 bit allocation details
0	DI1 status
1	DI2 status
2	DI3 status
3	DI4 status
4	DI5 status
5	DI6 status
6	DI7 status
7	DI8 status
8	Reserved
9	Reserved
10	Reserved
11	Reserved
12	Reserved
13	Reserved
14	Reserved
15	-

Bit	Modbus address 37308 bit allocation details
0	Percentage differential (87T) element: Phase A confirmation
1	Percentage differential (87T) element: Phase B confirmation
2	Percentage differential (87T) element: Phase C confirmation
3	Differential overcurrent (87TH) element: Phase A confirmation
4	Differential overcurrent (87TH) element: Phase B confirmation
5	Differential overcurrent (87TH) element: Phase C confirmation
6	Zero phase differential (87TN) element H-side: Confirmation
7	Zero phase differential (87TN) element L-side: Confirmation
8	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase A confirmation
9	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase B confirmation
10	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase C confirmation
11	Overcurrent instantaneous (50) element: Stage 1 H-side: Zero phase confirmation
12	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase A confirmation
13	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase B confirmation
14	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase C confirmation
15	Overcurrent instantaneous (50) element: Stage 1 L-side: Zero phase confirmation

Bit	Modbus address 37309 bit allocation details
0	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase A
1	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase B
2	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase C
3	Overcurrent instantaneous (50) element: Stage 2 H-side: Zero phase
4	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase A
5	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase B
6	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase C
7	Overcurrent instantaneous (50) element: Stage 2 L-side: Zero phase
8	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase A
9	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase B
10	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase C
11	Overcurrent instantaneous (50) element: Stage 3 H-side: Zero phase
12	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase A
13	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase B
14	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase C
15	Overcurrent instantaneous (50) element: Stage 3 L-side: Zero phase

Bit	Modbus address 37310 bit allocation details
0	Overcurrent time limit (51) element H-side: Phase A confirmation
1	Overcurrent time limit (51) element H-side: Phase B confirmation
2	Overcurrent time limit (51) element H-side: Phase C confirmation
3	Overcurrent time limit (51) element H-side: Zero phase confirmation
4	Overcurrent time limit (51) element L-side: Phase A confirmation
5	Overcurrent time limit (51) element L-side: Phase B confirmation
6	Overcurrent time limit (51) element L-side: Phase C confirmation
7	Overcurrent time limit (51) element L-side: Zero phase confirmation
8	Overload (49) element H-side: Confirmation
9	Overload (49) element L-side: Confirmation
10	Negative phase overcurrent (46) element: Stage 1 H-side: Confirmation
11	Negative phase overcurrent (46) element: Stage 1 L-side: Confirmation
12	Negative phase overcurrent (46) element: Stage 2 H-side: Confirmation
13	Negative phase overcurrent (46) element: Stage 2 L-side: Confirmation
14	Overcurrent (50BF) element for CBF detection H-side: Phase A confirmation
15	Overcurrent (50BF) element for CBF detection H-side: Phase B confirmation

Bit	Modbus address 37311 bit allocation details
0	Overcurrent (50BF) element for CBF detection H-side: Phase C confirmation
1	Overcurrent (50BF) element for CBF detection H-side: Zero phase confirmation
2	Overcurrent (50BF) element for CBF detection L-side: Phase A confirmation
3	Overcurrent (50BF) element for CBF detection L-side: Phase B confirmation
4	Overcurrent (50BF) element for CBF detection L-side: Phase C confirmation
5	Overcurrent (50BF) element for CBF detection L-side: Zero phase confirmation
6	Trip counter ALARM
7	Reserved
8	Difference current monitoring phase A: Confirmation
9	Difference current monitoring phase B: Confirmation
10	Difference current monitoring phase C: Confirmation
11	-
12	-
13	-
14	-
15	-

Bit	Modbus address 37312 bit allocation details
0	Percentage differential (87T) element: Phase A detection
1	Percentage differential (87T) element: Phase B detection
2	Percentage differential (87T) element: Phase C detection
3	Differential overcurrent (87TH) element: Phase A detection
4	Differential overcurrent (87TH) element: Phase B detection
5	Differential overcurrent (87TH) element: Phase C detection
6	Zero phase differential (87TN) element H-side: Detection
7	Zero phase differential (87TN) element L-side: Detection
8	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase A detection
9	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase B detection
10	Overcurrent instantaneous (50) element: Stage 1 H-side: Phase C detection
11	Overcurrent instantaneous (50) element: Stage 1 H-side: Zero phase detection
12	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase A detection
13	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase B detection
14	Overcurrent instantaneous (50) element: Stage 1 L-side: Phase C detection
15	Overcurrent instantaneous (50) element: Stage 1 L-side: Zero phase detection

Bit	Modbus address 37313 bit allocation details
0	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase A detection
1	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase B detection
2	Overcurrent instantaneous (50) element: Stage 2 H-side: Phase C detection
3	Overcurrent instantaneous (50) element: Stage 2 H-side: Zero phase detection
4	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase A detection
5	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase B detection
6	Overcurrent instantaneous (50) element: Stage 2 L-side: Phase C detection
7	Overcurrent instantaneous (50) element: Stage 2 L-side: Zero phase detection
8	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase A detection
9	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase B detection
10	Overcurrent instantaneous (50) element: Stage 3 H-side: Phase C detection
11	Overcurrent instantaneous (50) element: Stage 3 H-side: Zero phase detection
12	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase A detection
13	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase B detection
14	Overcurrent instantaneous (50) element: Stage 3 L-side: Phase C detection
15	Overcurrent instantaneous (50) element: Stage 3 L-side: Zero phase detection

Bit	Modbus address 37314 bit allocation details
0	Overcurrent time limit (51) element H-side: Phase A detection
1	Overcurrent time limit (51) element H-side: Phase B detection
2	Overcurrent time limit (51) element H-side: Phase C detection
3	Overcurrent time limit (51) element H-side: Zero phase detection
4	Overcurrent time limit (51) element L-side: Phase A detection
5	Overcurrent time limit (51) element L-side: Phase B detection
6	Overcurrent time limit (51) element L-side: Phase C detection
7	Overcurrent time limit (51) element L-side: Zero phase detection
8	Overload (49) element H-side: Detection
9	Overload (49) element L-side: Detection
10	Negative phase overcurrent (46) element: Stage 1 H-side: Detection
11	Negative phase overcurrent (46) element: Stage 1 L-side: Detection
12	Negative phase overcurrent (46) element: Stage 2 H-side: Detection
13	Negative phase overcurrent (46) element: Stage 2 L-side: Detection
14	Overcurrent (50BF) element for CBF detection H-side: Phase A detection
15	Overcurrent (50BF) element for CBF detection H-side: Phase B detection

Bit	Modbus address 37315 bit allocation details
0	Overcurrent (50BF) element for CBF detection H-side: Phase C detection
1	Overcurrent (50BF) element for CBF detection H-side: Zero phase detection
2	Overcurrent (50BF) element for CBF detection L-side: Phase A detection
3	Overcurrent (50BF) element for CBF detection L-side: Phase B detection
4	Overcurrent (50BF) element for CBF detection L-side: Phase C detection
5	Overcurrent (50BF) element for CBF detection L-side: Zero phase detection
6	2f for percentage differential element: Phase A detection
7	2f for percentage differential element: Phase B detection
8	2f for percentage differential element: Phase C detection
9	5f for percentage differential element: Phase A detection
10	5f for percentage differential element: Phase B detection
11	5f for percentage differential element: Phase C detection
12	H-side 2f for overcurrent element: Phase A detection
13	H-side 2f for overcurrent element: Phase B detection
14	H-side 2f for overcurrent element: Phase C detection
15	L-side 2f for overcurrent element: Phase A detection

Bit	Modbus address 37316 bit allocation details
0	L-side 2f for overcurrent element: Phase B detection
1	L-side 2f for overcurrent element: Phase C detection
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-

Bit	Modbus address 37317 bit allocation details
0	Monitoring error (serious fault) confirmation
1	Monitoring error (minor fault) confirmation
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
0	16　3	40001	Group 1 set/get: Transformer H-side connection	x	x	0	11	1	No Unit	0	Analog Value	With a "Setting value" request from
1		40002	Group 1 set/get: Transformer H-side zero phase compensation	x	x	0	1	1	No Unit	0	Analog Value	the master station as Function Code:
2		40003	Group 1 set/get: Transformer L-side connection	x	x	0	11	1	No Unit	0	Analog Value	3, the slave will respond with
3		40004	Group 1 set/get: Transformer L-side zero phase compensation	x	x	0	1	1	No Unit	0	Analog Value	(MODBUS send) the response data.
4		40005	Group 1 set/get: Transformer H-side positive phase matching tap	x	x	22	125	1	A	1	Analog Value	With a "Set setting value" request
5		40006	Group 1 set/get: Transformer L-side positive phase matching tap	x	x	22	125	1	A	1	Analog Value	from the master station as Function
6		40007	Group 1 set/get: Transformer H-side neutral current matching tap	x	x	22	125	1	A	1	Analog Value	Code: 16, the slave will respond with
7		40008	Group 1 set/get: Transformer L-side neutral current matching tap	x	x	22	125	1	A	1	Analog Value	(MODBUS send) the response data.
8		40009	Group 1 set/get: 2f/1f content rate	x	x	5	40	1	%	0	Analog Value	
9		40010	Group 1 set/get: 1f limiter for 2f/1f content rate	x	x	4	25	1	A	1	Analog Value	On MODBUS:
10		40011	Group 1 set/get: 5f/1f content rate	x	x	30	50	1	%	0	Analog Value	• Start address = 40001+1*i
11		40012	Group 1 set/get: Limiter for 5f/1f content rate	x	x	4	25	1	A	1	Analog Value	• Number of access points = 1*j
12		40013	Group 1 set/get: DIFF (ratio differential element) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	• i+j<=256
13		40014	Group 1 set/get: DIFF control method selection (MAX: Maximum value, SUM: Scalar sum)	x	x	0	1	1	No Unit	0	Analog Value	(i=0 to 255, j=1 to 256)
14		40015	Group 1 set/get: DIFF minimum operating current	x	x	20	100	1	%	0	Analog Value	
15		40016	Group 1 set/get: DIFF ratio K1	x	x	15	100	1	%	0	Analog Value	→ When an error occurs, the slave
16		40017	Group 1 set/get: DIFF ratio K2	x	x	15	100	1	%	0	Analog Value	will respond with (MODBUS send)
17		40018	Group 1 set/get: DIFF ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	02: ILLEGAL DATA ADDRESS.
18		40019	Group 1 set/get: DIFF operating time (management value 50 ms or lower	x	x	0	1000	1	s	2	Analog Value	
19		40020	Group 1 set/get: DIFF use/do not use differential monitoring (OFF: Do not use, ON: Use)	x	x	0	1	1	No Unit	0	Analog Value	For exclusive use of manufacturer:
20		40021	Group 1 set/get: DIFF differential monitoring operating current	x	x	5	100	1	%	0	Analog Value	Items that are applicable to the VFD
21		40022	Group 1 set/get: DIFF differential monitoring ratio	x	x	0	20	1	%	0	Analog Value	and not applicable to Modbus in the
22		40023	Group 1 set/get: DIFF 2f lock OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	items list are fixed as 0 when read.
23		40024	Group 1 set/get: DIFF lock method when 2f detected	x	x	0	3	1	No Unit	0	Analog Value	They also cannot be written.
24		40025	Group 1 set/get: DIFF 5f lock OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
25		40026	Group 1 set/get: DIFFH (differential overcurrent element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
26		40027	Group 1 set/get: DIFFH operating current (multiplying factor)	x	x	5	12	1	No Unit	0	Analog Value	
27		40028	Group 1 set/get: DIFFH operating time (management value 30 ms or lower when 0.00)	x	x	0	1000	1	s	2	Analog Value	
28		40029	Group 1 set/get: RGFH (zero phase differential element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
29		40030	Group 1 set/get: RGFH minimum operating current	x	x	10	200	1	%	0	Analog Value	
30		40031	Group 1 set/get: RGFH ratio K1	x	x	10	100	1	%	0	Analog Value	
31		40032	Group 1 set/get: RGFH ratio K2	x	x	10	100	1	%	0	Analog Value	
32		40033	Group 1 set/get: RGFH ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	
33		40034	Group 1 set/get: RGFH operating time (management value 30 ms or lower	x	x	0	6000	1	s	1	Analog Value	
34		40035	Group 1 set/get: RGFH CT saturation countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
35		40036	Group 1 set/get: RGFH zero phase error countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
36		40037	Group 1 set/get: RGFH operating current for zero phase error	x	x	50	500	1	A	1	Analog Value	
37		40038	Group 1 set/get: RGFL (zero phase differential element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
38		40039	Group 1 set/get: RGFL minimum operating current	x	x	10	200	1	%	0	Analog Value	
39		40040	Group 1 set/get: RGFL ratio K1	x	x	10	100	1	%	0	Analog Value	
40		40041	Group 1 set/get: RGFL ratio K2	x	x	10	100	1	%	0	Analog Value	
41		40042	Group 1 set/get: RGFL ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	
42		40043	Group 1 set/get: RGFL operating time (management value 30 ms or lower	x	x	0	6000	1	s	1	Analog Value	
43		40044	Group 1 set/get: RGFL CT saturation countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
44		40045	Group 1 set/get: RGFL zero phase error countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
45		40046	Group 1 set/get: RGFL operating current for zero phase error	x	x	50	500	1	A	1	Analog Value	
46		40047	Group 1 set/get: OC2f 2f/1f content rate	x	x	10	30	1	%	0	Analog Value	
47		40048	Group 1 set/get: OC2f 1f limiter	x	x	4	25	1	A	1	Analog Value	
48		40049	Group 1 set/get: OC1H (overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
49		40050	Group 1 set/get: OC1H operating current	x	x	5	1000	1	A	1	Analog Value	
50		40051	Group 1 set/get: OC1H operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
51		40052	Group 1 set/get: OC1L (overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
52		40053	Group 1 set/get: OC1L operating current	x	x	5	1000	1	A	1	Analog Value	
53		40054	Group 1 set/get: OC1L operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
54		40055	Group 1 set/get: OCN1H (ground overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
55		40056	Group 1 set/get: OCN1H operating current	x	x	5	1000	1	A	1	Analog Value	
56		40057	Group 1 set/get: OCN1H operating time (management value 30 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
57		40058	Group 1 set/get: OCN1L (ground overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
58		40059	Group 1 set/get: OCN1L operating current	x	x	5	1000	1	A	1	Analog Value	
59		40060	Group 1 set/get: OCN1L operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
60		40061	Group 1 set/get: OC2H (overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
61		40062	Group 1 set/get: OC2H operating current	x	x	5	1000	1	A	1	Analog Value	
62		40063	Group 1 set/get: OC2H operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
63		40064	Group 1 set/get: OC2H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
64		40065	Group 1 set/get: OC2L overcurrent instantaneous element 2L OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
65		40066	Group 1 set/get: OC2L operating current	x	x	5	1000	1	A	1	Analog Value	
66		40067	Group 1 set/get: OC2L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
67		40068	Group 1 set/get: OC2L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
68		40069	Group 1 set/get: OCN2H (ground overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
69		40070	Group 1 set/get: OCN2H operating current	x	x	5	1000	1	A	1	Analog Value	
70		40071	Group 1 set/get: OCN2H operating time (management value 40 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
71		40072	Group 1 set/get: OCN2H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
72		40073	Group 1 set/get: OCN2L (ground overcurrent instantaneous element 2L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
73		40074	Group 1 set/get: OCN2L operating current	x	x	5	1000	1	A	1	Analog Value	
74		40075	Group 1 set/get: OCN2L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
75		40076	Group 1 set/get: OCN2L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
76		40077	Group 1 set/get: OC3H (overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
77		40078	Group 1 set/get: OC3H operating current	x	x	5	1000	1	A	1	Analog Value	
78		40079	Group 1 set/get: OC3H operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
79		40080	Group 1 set/get: OC3H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
80		40081	Group 1 set/get: OC3L (overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
81		40082	Group 1 set/get: OC3L operating current	x	x	5	1000	1	A	1	Analog Value	
82		40083	Group 1 set/get: OC3L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
83		40084	Group 1 set/get: OC3L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
84		40085	Group 1 set/get: OCN3H (ground overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
85		40086	Group 1 set/get: OCN3H operating current	x	x	5	1000	1	A	1	Analog Value	
86		40087	Group 1 set/get: OCN3H operating time (management value 40 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
87		40088	Group 1 set/get: OCN3H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
88		40089	Group 1 set/get: OCN3L (ground overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
89		40090	Group 1 set/get: OCN3L operating current	x	x	5	1000	1	A	1	Analog Value	
90		40091	Group 1 set/get: OCN3L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
91		40092	Group 1 set/get: OCN3L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
92		40093	Group 1 set/get: OC4H (overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
93		40094	Group 1 set/get: OC4H operating current	x	x	5	1000	1	A	1	Analog Value	
94		40095	Group 1 set/get: OC4H operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
95		40096	Group 1 set/get: OC4H inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
96		40097	Group 1 set/get: OC4H inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
97		40098	Group 1 set/get: OC4H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
98		40099	Group 1 set/get: OC4H OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	
99		40100	Group 1 set/get: OC4L (overcurrent time limit element 4L) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
100		40101	Group 1 set/get: OC4L operating current	x	x	5	1000	1	A	1	Analog Value	
101		40102	Group 1 set/get: OC4L operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
102		40103	Group 1 set/get: OC4L inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
103		40104	Group 1 set/get: OC4L inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
104		40105	Group 1 set/get: OC4L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
105		40106	Group 1 set/get: OC4L OFF: Normal characteristics, ON: IEC characteristics	x	x	0	1	1	No Unit	0	Analog Value	
106		40107	Group 1 set/get: OCN4H (ground overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
107		40108	Group 1 set/get: OCN4H operating current	x	x	5	1000	1	A	1	Analog Value	
108		40109	Group 1 set/get: OCN4H operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
109		40110	Group 1 set/get: OCN4H inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
110		40111	Group 1 set/get: OCN4H inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
111		40112	Group 1 set/get: OCN4H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
112		40113	Group 1 set/get: OCN4H OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	
113		40114	Group 1 set/get: OCN4L (ground overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
114		40115	Group 1 set/get: OCN4L operating current			5	1000	1	A	1	Analog Value	
115		40116	Group 1 set/get: OCN4L operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
116		40117	Group 1 set/get: OCN4L inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
117		40118	Group 1 set/get: OCN4L inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
118		40119	Group 1 set/get: OCN4L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
119	16　3	40120	Group 1 set/get: OCN4L OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 40001+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
120		40121	Group 1 set/get: THOLH (overload element H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
121		40122	Group 1 set/get: THOLH COLD/HOT characteristic selection	x	x	0	1	1	No Unit	0	Analog Value	
122		40123	Group 1 set/get: THOLH operating current	x	x	10	100	1	A	1	Analog Value	
123		40124	Group 1 set/get: THOLH operating time scaling factor	x	x	8	240	1	No Unit	0	Analog Value	
124		40125	Group 1 set/get: THOLH negative phase heat multiplying factor	x	x	1	10	1	No Unit	0	Analog Value	
125		40126	Group 1 set/get: THOLL (overload element L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
126		40127	Group 1 set/get: THOLL COLD/HOT characteristic selection	x	x	0	1	1	No Unit	0	Analog Value	
127		40128	Group 1 set/get: THOLL operating current	x	x	10	100	1	A	1	Analog Value	
128		40129	Group 1 set/get: THOLL operating time scaling factor	x	x	8	240	1	No Unit	0	Analog Value	
129		40130	Group 1 set/get: THOLL negative phase heat multiplying factor	x	x	1	10	1	No Unit	0	Analog Value	
130		40131	Group 1 set/get: OCNEG1H (negative phase overcurrent element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
131		40132	Group 1 set/get: OCNEG1H operating current	x	x	25	500	1	A	2	Analog Value	
132		40133	Group 1 set/get: OCNEG1H operating time	x	x	0	100	1	s	1	Analog Value	
133		40134	Group 1 set/get: OCNEG1L (negative phase overcurrent element 1L) OFF: Do not use, ON: Use			0	1	1	No Unit	0	Analog Value	
134		40135	Group 1 set/get: OCNEG1L operating current			25	500	1	A	2	Analog Value	
135		40136	Group 1 set/get: OCNEG1L operating time	x	x	0	100	1	s	1	Analog Value	
136		40137	Group 1 set/get: OCNEG2H (negative phase overcurrent element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
137		40138	Group 1 set/get: OCNEG2H operating current			25	500	1	A	2	Analog Value	
138		40139	Group 1 set/get: OCNEG2H operating time			0	100	1	s	1	Analog Value	
139		40140	Group 1 set/get: OCNEG2L (negative phase overcurrent element 2L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
140		40141	Group 1 set/get: OCNEG2L operating current			25	500	1	A	2	Analog Value	
141		40142	Group 1 set/get: OCNEG2L operating time	x	x	0	100	1	s	1	Analog Value	
142		40143	Group 1 set/get: CBFH (CBF detection element H) OFF: Do not use, ON:	x	x	0	1	1	No Unit	0	Analog Value	
143		40144	Group 1 set/get: CBFH CBFN detection element H OFF: Do not use, ON:			0	1	1	No Unit	0	Analog Value	
144		40145	Group 1 set/get: CBFH CBF operating current			15	1000	1	A	2	Analog Value	
145		40146	Group 1 set/get: CBFH CBFN operating current			15	1000	1	A	2	Analog Value	
146		40147	Group 1 set/get: CBFH operating time			0	1000	1	s	2	Analog Value	
147		40148	Group 1 set/get: CBFL CBF detection element L OFF: Do not use, ON: Use			0	1	1	No Unit	0	Analog Value	
148		40149	Group 1 set/get: CBFL CBFN detection element L OFF: Do not use, ON:			0	1	1	No Unit	0	Analog Value	
149		40150	Group 1 set/get: CBFL CBF operating current			15	1000	1	A	2	Analog Value	
150		40151	Group 1 set/get: CBFL CBFN operating current			15	1000	1	A	2	Analog Value	
151		40152	Group 1 set/get: CBFL operating time			0	1000	1	s	2	Analog Value	
152		40153	(Reserved)									
153		40154	(Reserved)									
154		40155	(Reserved)									
155		40156	(Reserved)									
156		40157	(Reserved)									
157		40158	(Reserved)									
158		40159	(Reserved)									
159		40160	(Reserved)									
160		40161	(Reserved)									
161		40162	(Reserved)									
162		40163	(Reserved)									
163		40164	(Reserved)									
164		40165	(Reserved)									
165		40166	(Reserved)									
166		40167	(Reserved)									
167		40168	(Reserved)									
168		40169	(Reserved)									
169		40170	(Reserved)									
170		40171	(Reserved)									
171		40172	(Reserved)									
172		40173	(Reserved)									
173		40174	(Reserved)									
174		40175	(Reserved)									
175		40176	(Reserved)									
176		40177	(Reserved)									
177		40178	(Reserved)									
178		40179	(Reserved)									
179		40180	(Reserved)									
180		40181	(Reserved)									
181		40182	(Reserved)									
182		40183	(Reserved)									
183		40184	(Reserved)									
184		40185	(Reserved)									
185		40186	(Reserved)									
186		40187	(Reserved)									
187		40188	(Reserved)									
188		40189	(Reserved)									
189		40190	(Reserved)									
190		40191	(Reserved)									
191		40192	(Reserved)									
192		40193	(Reserved)									
193		40194	(Reserved)									
194		40195	(Reserved)									
195		40196	(Reserved)									
196		40197	(Reserved)									
197		40198	(Reserved)									
198		40199	(Reserved)									
199		40200	(Reserved)									
200		40201	(Reserved)									
201		40202	(Reserved)									
202		40203	(Reserved)									
203		40204	(Reserved)									
204		40205	(Reserved)									
205		40206	(Reserved)									
206		40207	(Reserved)									
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210		40211	(Reserved)									
211		40212	(Reserved)									
212		40213	(Reserved)									
213		40214	(Reserved)									
214		40215	(Reserved)									
215		40216	(Reserved)									
216		40217	(Reserved)									
217		40218	(Reserved)									
218		40219	(Reserved)									
219		40220	(Reserved)									
220		40221	(Reserved)									
221		40222	(Reserved)									
222		40223	(Reserved)									
223		40224	(Reserved)									
224		40225	(Reserved)									
225		40226	(Reserved)									
226		40227	(Reserved)									
227		40228	(Reserved)									
228		40229	(Reserved)									
229		40230	(Reserved)									
230		40231	(Reserved)									
231		40232	(Reserved)									
232		40233	(Reserved)									
233		40234	(Reserved)									
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243		40244	(Reserved)									
244		40245	(Reserved)									
245		40246	(Reserved)									
246		40247	(Reserved)									
247		40248	(Reserved)									
248		40249	(Reserved)									
249		40250	(Reserved)									

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
250	16　3	40251	(Reserved)									
251		40252	(Reserved)									
252		40253	(Reserved)									
253		40254	(Reserved)									
254		40255	(Reserved)									
255		40256	(Reserved)									
500	16　3	40501	Group 2 set/get: Transformer connection	x	x	0	11	1	No Unit	0	Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 40501+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
501		40502	Group 2 set/get: Zero phase compensation	x	x	0	1	1	No Unit	0	Analog Value	
502		40503	Group 2 set/get: Transformer connection	x	x	0	11	1	No Unit	0	Analog Value	
503		40504	Group 2 set/get: Zero phase compensation	x	x	0	1	1	No Unit	0	Analog Value	
504		40505	Group 2 set/get: Transformer H-side positive phase matching tap	x	x	22	125	1	A	1	Analog Value	
505		40506	Group 2 set/get: Transformer L-side positive phase matching tap	x	x	22	125	1	A	1	Analog Value	
506		40507	Group 2 set/get: Transformer H-side neutral current matching tap	x	x	22	125	1	A	1	Analog Value	
507		40508	Group 2 set/get: Transformer L-side neutral current matching tap	x	x	22	125	1	A	1	Analog Value	
508		40509	Group 2 set/get: 2f/1f content rate	x	x	5	40	1	%	0	Analog Value	
509		40510	Group 2 set/get: 1f limiter for 2f/1f content rate	x	x	4	25	1	A	1	Analog Value	
510		40511	Group 2 set/get: 5f/1f content rate	x	x	30	50	1	%	0	Analog Value	
511		40512	Group 2 set/get: Limiter for 5f/1f content rate	x	x	4	25	1	A	1	Analog Value	
512		40513	Group 2 set/get: DIFF (ratio differential element) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
513		40514	Group 2 set/get: DIFF control method selection (MAX: Maximum value, SUM: Scalar sum)	x	x						Analog Value	
514		40515	Group 2 set/get: DIFF minimum operating current	x	x	20	100	1	%	0	Analog Value	
515		40516	Group 2 set/get: DIFF ratio K1	x	x	15	100	1	%	0	Analog Value	
516		40517	Group 2 set/get: DIFF ratio K2	x	x	15	100	1	%	0	Analog Value	
517		40518	Group 2 set/get: DIFF ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	
518		40519	Group 2 set/get: DIFF operating time (management value 50 ms or lower	x	x	0	1000	1	s	2	Analog Value	
519		40520	Group 2 set/get: DIFF use/do not use differential monitoring (OFF: Do not use, ON: Use)	x	x	0	1	1	No Unit	0	Analog Value	
520		40521	Group 2 set/get: DIFF differential monitoring operating current	x	x	5	100	1	%	0	Analog Value	
521		40522	Group 2 set/get: DIFF differential monitoring ratio	x	x	0	20	1	%	0	Analog Value	
522		40523	Group 2 set/get: DIFF 2f lock OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
523		40524	Group 2 set/get: DIFF lock method when 2f detected	x	x	0	3	1	No Unit	0	Analog Value	
524		40525	Group 2 set/get: DIFF 5f lock OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
525		40526	Group 2 set/get: DIFFH (differential overcurrent element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
526		40527	Group 2 set/get: DIFFH operating current (multiplying factor)	x	x	5	12	1	No Unit	0	Analog Value	
527		40528	Group 2 set/get: DIFFH operating time (management value 30 ms or lower when 0.00)	x	x	0	1000	1	s	2	Analog Value	
528		40529	Group 2 set/get: RGFH (zero phase differential element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
529		40530	Group 2 set/get: RGFH minimum operating current	x	x	10	200	1	%	0	Analog Value	
530		40531	Group 2 set/get: RGFH ratio K1	x	x	10	100	1	%	0	Analog Value	
531		40532	Group 2 set/get: RGFH ratio K2	x	x	10	100	1	%	0	Analog Value	
532		40533	Group 2 set/get: RGFH ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	
533		40534	Group 2 set/get: RGFH operating time (management value 30 ms or lower	x	x	0	6000	1	s	1	Analog Value	
534		40535	Group 2 set/get: RGFH CT saturation countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
535		40536	Group 2 set/get: RGFH zero phase error countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
536		40537	Group 2 set/get: RGFH operating current for zero phase error	x	x	50	500	1	A	1	Analog Value	
537		40538	Group 2 set/get: RGFL (zero phase differential element) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
538		40539	Group 2 set/get: RGFL minimum operating current	x	x	10	200	1	%	0	Analog Value	
539		40540	Group 2 set/get: RGFL ratio K1	x	x	10	100	1	%	0	Analog Value	
540		40541	Group 2 set/get: RGFL ratio K2	x	x	10	100	1	%	0	Analog Value	
541		40542	Group 2 set/get: RGFL ratio switch point (switching value from K1 to K2)	x	x	100	1000	1	%	0	Analog Value	
542		40543	Group 2 set/get: RGFL operating time (management value 30 ms or lower	x	x	0	6000	1	s	1	Analog Value	
543		40544	Group 2 set/get: RGFL CT saturation countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
544		40545	Group 2 set/get: RGFL zero phase error countermeasure OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
545		40546	Group 2 set/get: RGFL operating current for zero phase error	x	x	50	500	1	A	1	Analog Value	
546		40547	Group 2 set/get: OC2f 2f/1f content rate	x	x	10	30	1	%	0	Analog Value	
547		40548	Group 2 set/get: OC2f 1f limiter	x	x	4	25	1	A	1	Analog Value	
548		40549	Group 2 set/get: OC1H (overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
549		40550	Group 2 set/get: OC1H operating current	x	x	5	1000	1	A	1	Analog Value	
550		40551	Group 2 set/get: OC1H operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
551		40552	Group 2 set/get: OC1L (overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
552		40553	Group 2 set/get: OC1L operating current	x	x	5	1000	1	A	1	Analog Value	
553		40554	Group 2 set/get: OC1L operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
554		40555	Group 2 set/get: OCN1H (ground overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
555		40556	Group 2 set/get: OCN1H operating current	x	x	5	1000	1	A	1	Analog Value	
556		40557	Group 2 set/get: OCN1H operating time (management value 30 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
557		40558	Group 2 set/get: OCN1L (ground overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
558		40559	Group 2 set/get: OCN1L operating current	x	x	5	1000	1	A	1	Analog Value	
559		40560	Group 2 set/get: OCN1L operating time (management value 30 ms or lower	x	x	0	1000	1	s	2	Analog Value	
560		40561	Group 2 set/get: OC2H (overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
561		40562	Group 2 set/get: OC2H operating current	x	x	5	1000	1	A	1	Analog Value	
562		40563	Group 2 set/get: OC2H operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
563		40564	Group 2 set/get: OC2H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
564		40565	Group 2 set/get: OC2L overcurrent instantaneous element 2L OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
565		40566	Group 2 set/get: OC2L operating current	x	x	5	1000	1	A	1	Analog Value	
566		40567	Group 2 set/get: OC2L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
567		40568	Group 2 set/get: OC2L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
568		40569	Group 2 set/get: OCN2H (ground overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
569		40570	Group 2 set/get: OCN2H operating current	x	x	5	1000	1	A	1	Analog Value	
570		40571	Group 2 set/get: OCN2H operating time (management value 40 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
571		40572	Group 2 set/get: OCN2H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
572		40573	Group 2 set/get: OCN2L (ground overcurrent instantaneous element 2L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
573		40574	Group 2 set/get: OCN2L operating current	x	x	5	1000	1	A	1	Analog Value	
574		40575	Group 2 set/get: OCN2L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
575		40576	Group 2 set/get: OCN2L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
576		40577	Group 2 set/get: OC3H (overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
577		40578	Group 2 set/get: OC3H operating current	x	x	5	1000	1	A	1	Analog Value	
578		40579	Group 2 set/get: OC3H operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
579		40580	Group 2 set/get: OC3H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
580		40581	Group 2 set/get: OC3L (overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
581		40582	Group 2 set/get: OC3L operating current	x	x	5	1000	1	A	1	Analog Value	
582		40583	Group 2 set/get: OC3L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
583		40584	Group 2 set/get: OC3L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
584		40585	Group 2 set/get: OCN3H (ground overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
585		40586	Group 2 set/get: OCN3H operating current	x	x	5	1000	1	A	1	Analog Value	
586		40587	Group 2 set/get: OCN3H operating time (management value 40 ms or lower when 0.0)	x	x	0	1000	1	s	2	Analog Value	
587		40588	Group 2 set/get: OCN3H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
588		40589	Group 2 set/get: OCN3L (ground overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
589		40590	Group 2 set/get: OCN3L operating current	x	x	5	1000	1	A	1	Analog Value	
590		40591	Group 2 set/get: OCN3L operating time (management value 40 ms or lower	x	x	0	1000	1	s	2	Analog Value	
591		40592	Group 2 set/get: OCN3L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
592		40593	Group 2 set/get: OC4H (overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
593		40594	Group 2 set/get: OC4H operating current	x	x	5	1000	1	A	1	Analog Value	
594		40595	Group 2 set/get: OC4H operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
595		40596	Group 2 set/get: OC4H inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
596		40597	Group 2 set/get: OC4H inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
597		40598	Group 2 set/get: OC4H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
598		40599	Group 2 set/get: OC4H OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	
599		40600	Group 2 set/get: OC4L (overcurrent time limit element 4L) OFF: Do not use,	x	x	0	1	1	No Unit	0	Analog Value	
600		40601	Group 2 set/get: OC4L operating current	x	x	5	1000	1	A	1	Analog Value	
601		40602	Group 2 set/get: OC4L operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
602		40603	Group 2 set/get: OC4L inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
603		40604	Group 2 set/get: OC4L inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
604		40605	Group 2 set/get: OC4L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
605		40606	Group 2 set/get: OC4L OFF: Normal characteristics, ON: IEC characteristics	x	x	0	1	1	No Unit	0	Analog Value	
606		40607	Group 2 set/get: OCN4H (ground overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
607		40608	Group 2 set/get: OCN4H operating current	x	x	5	1000	1	A	1	Analog Value	
608		40609	Group 2 set/get: OCN4H operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	
609		40610	Group 2 set/get: OCN4H inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
610		40611	Group 2 set/get: OCN4H inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
611		40612	Group 2 set/get: OCN4H OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
612		40613	Group 2 set/get: OCN4H OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	
613		40614	Group 2 set/get: OCN4L (ground overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
614		40615	Group 2 set/get: OCN4L operating current			5	1000	1	A	1	Analog Value	

Holding Register Map Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
615	16 3	40616	Group 2 set/get: OCN4L operating time scaling factor	x	x	25	5000	1	No Unit	2	Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 40501+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
616		40617	Group 2 set/get: OCN4L inverse time limit operating characteristic	x	x	0	13	1	No Unit	0	Analog Value	
617		40618	Group 2 set/get: OCN4L inverse time limit counter recovery characteristic	x	x	0	2	1	No Unit	0	Analog Value	
618		40619	Group 2 set/get: OCN4L OFF: Without 2f lock, ON: With 2f lock	x	x	0	1	1	No Unit	0	Analog Value	
619		40620	Group 2 set/get: OCN4L OFF: Normal characteristics, ON: IEC	x	x	0	1	1	No Unit	0	Analog Value	
620		40621	Group 2 set/get: THOLH (overload element H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
621		40622	Group 2 set/get: THOLH COLD/HOT characteristic selection	x	x	0	1	1	No Unit	0	Analog Value	
622		40623	Group 2 set/get: THOLH operating current	x	x	10	100	1	A	1	Analog Value	
623		40624	Group 2 set/get: THOLH operating time scaling factor	x	x	8	240	1	No Unit	0	Analog Value	
624		40625	Group 2 set/get: THOLH negative phase heat multiplying factor	x	x	1	10	1	No Unit	0	Analog Value	
625		40626	Group 2 set/get: THOLL (overload element L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
626		40627	Group 2 set/get: THOLL COLD/HOT characteristic selection	x	x	0	1	1	No Unit	0	Analog Value	
627		40628	Group 2 set/get: THOLL operating current	x	x	10	100	1	A	1	Analog Value	
628		40629	Group 2 set/get: THOLL operating time scaling factor	x	x	8	240	1	No Unit	0	Analog Value	
629		40630	Group 2 set/get: THOLL negative phase heat multiplying factor	x	x	1	10	1	No Unit	0	Analog Value	
630		40631	Group 2 set/get: OCNEG1H (negative phase overcurrent element 1H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
631		40632	Group 2 set/get: OCNEG1H operating current	x	x	25	500	1	A	2	Analog Value	
632		40633	Group 2 set/get: OCNEG1H operating time	x	x	0	100	1	s	1	Analog Value	
633		40634	Group 2 set/get: OCNEG1L (negative phase overcurrent element 1L) OFF: Do not use, ON: Use			0	1	1	No Unit	0	Analog Value	
634		40635	Group 2 set/get: OCNEG1L operating current			25	500	1	A	2	Analog Value	
635		40636	Group 2 set/get: OCNEG1L operating time	x	x	0	100	1	s	1	Analog Value	
636		40637	Group 2 set/get: OCNEG2H (negative phase overcurrent element 2H) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
637		40638	Group 2 set/get: OCNEG2H operating current			25	500	1	A	2	Analog Value	
638		40639	Group 2 set/get: OCNEG2H operating time			0	100	1	s	1	Analog Value	
639		40640	Group 2 set/get: OCNEG2L (negative phase overcurrent element 2L) OFF: Do not use, ON: Use	x	x	0	1	1	No Unit	0	Analog Value	
640		40641	Group 2 set/get: OCNEG2L operating current			25	500	1	A	2	Analog Value	
641		40642	Group 2 set/get: OCNEG2L operating time	x	x	0	100	1	s	1	Analog Value	
642		40643	Group 2 set/get: CBFH (CBF detection element H) OFF: Do not use, ON:	x	x	0	1	1	No Unit	0	Analog Value	
643		40644	Group 2 set/get: CBFH CBFN detection element H OFF: Do not use, ON:			0	1	1	No Unit	0	Analog Value	
644		40645	Group 2 set/get: CBFH CBF operating current			15	1000	1	A	2	Analog Value	
645		40646	Group 2 set/get: CBFH CBFN operating current			15	1000	1	A	2	Analog Value	
646		40647	Group 2 set/get: CBFH operating time			0	1000	1	s	2	Analog Value	
647		40648	Group 2 set/get: CBFL CBF detection element L OFF: Do not use, ON: Use			0	1	1	No Unit	0	Analog Value	
648		40649	Group 2 set/get: CBFL CBFN detection element L OFF: Do not use, ON:			0	1	1	No Unit	0	Analog Value	
649		40650	Group 2 set/get: CBFL CBF operating current			15	1000	1	A	2	Analog Value	
650		40651	Group 2 set/get: CBFL CBFN operating current			15	1000	1	A	2	Analog Value	
651		40652	Group 2 set/get: CBFL operating time			0	1000	1	s	2	Analog Value	
652		40653	(Reserved)									
653		40654	(Reserved)									
654		40655	(Reserved)									
655		40656	(Reserved)									
656		40657	(Reserved)									
657		40658	(Reserved)									
658		40659	(Reserved)									
659		40660	(Reserved)									
660		40661	(Reserved)									
661		40662	(Reserved)									
662		40663	(Reserved)									
663		40664	(Reserved)									
664		40665	(Reserved)									
665		40666	(Reserved)									
666		40667	(Reserved)									
667		40668	(Reserved)									
668		40669	(Reserved)									
669		40670	(Reserved)									
670		40671	(Reserved)									
671		40672	(Reserved)									
672		40673	(Reserved)									
673		40674	(Reserved)									
674		40675	(Reserved)									
675		40676	(Reserved)									
676		40677	(Reserved)									
677		40678	(Reserved)									
678		40679	(Reserved)									
679		40680	(Reserved)									
680		40681	(Reserved)									
681		40682	(Reserved)									
682		40683	(Reserved)									
683		40684	(Reserved)									
684		40685	(Reserved)									
685		40686	(Reserved)									
686		40687	(Reserved)									
687		40688	(Reserved)									
688		40689	(Reserved)									
689		40690	(Reserved)									
690		40691	(Reserved)									
691		40692	(Reserved)									
692		40693	(Reserved)									
693		40694	(Reserved)									
694		40695	(Reserved)									
695		40696	(Reserved)									
696		40697	(Reserved)									
697		40698	(Reserved)									
698		40699	(Reserved)									
699		40700	(Reserved)									
700		40701	(Reserved)									
701		40702	(Reserved)									
702		40703	(Reserved)									
703		40704	(Reserved)									
704		40705	(Reserved)									
705		40706	(Reserved)									
706		40707	(Reserved)									
707		40708	(Reserved)									
708		40709	(Reserved)									
709		40710	(Reserved)									
710		40711	(Reserved)									
711		40712	(Reserved)									
712		40713	(Reserved)									
713		40714	(Reserved)									
714		40715	(Reserved)									
715		40716	(Reserved)									
716		40717	(Reserved)									
717		40718	(Reserved)									
718		40719	(Reserved)									
719		40720	(Reserved)									
720		40721	(Reserved)									
721		40722	(Reserved)									
722		40723	(Reserved)									
723		40724	(Reserved)									
724		40725	(Reserved)									
725		40726	(Reserved)									
726		40727	(Reserved)									
727		40728	(Reserved)									
728		40729	(Reserved)									
729		40730	(Reserved)									
730		40731	(Reserved)									
731		40732	(Reserved)									
732		40733	(Reserved)									
733		40734	(Reserved)									
734		40735	(Reserved)									
735		40736	(Reserved)									
736		40737	(Reserved)									
737		40738	(Reserved)									
738		40739	(Reserved)									
739		40740	(Reserved)									
740		40741	(Reserved)									
741		40742	(Reserved)									
742		40743	(Reserved)									
743		40744	(Reserved)									
744		40745	(Reserved)									
745		40746	(Reserved)									
746		40747	(Reserved)									

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
747	16 3	40748	(Reserved)									
748		40749	(Reserved)									
749		40750	(Reserved)									
750		40751	(Reserved)									
751		40752	(Reserved)									
752		40753	(Reserved)									
753		40754	(Reserved)									
754		40755	(Reserved)									
755		40756	(Reserved)									
1000	16 3	41001	Group 1 start operation: Transformer connection	x	x	Same as group 1 set/get setting value.					Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 41001+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If out of range or out of step, the slave will respond with an error status with the 39807 completion check. When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE. • When any kind of data is received in a reserved area, the slave will notify the master of the error with the check group 1 setting value data writing processing. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
1001		41002	Group 1 start operation: Zero phase compensation	x	x	Same as group 1 set/get setting value.					Analog Value	
1002		41003	Group 1 start operation: Transformer connection	x	x	Same as group 1 set/get setting value.					Analog Value	
1003		41004	Group 1 start operation: Zero phase compensation	x	x	Same as group 1 set/get setting value.					Analog Value	
1004		41005	Group 1 start operation: Transformer H-side positive phase matching tap	x	x	Same as group 1 set/get setting value.					Analog Value	
1005		41006	Group 1 start operation: Transformer L-side positive phase matching tap	x	x	Same as group 1 set/get setting value.					Analog Value	
1006		41007	Group 1 start operation: Transformer H-side neutral current matching tap	x	x	Same as group 1 set/get setting value.					Analog Value	
1007		41008	Group 1 start operation: Transformer L-side neutral current matching tap	x	x	Same as group 1 set/get setting value.					Analog Value	
1008		41009	Group 1 start operation: 2f/1f content rate	x	x	Same as group 1 set/get setting value.					Analog Value	
1009		41010	Group 1 start operation: 1f limiter for 2f/1f content rate	x	x	Same as group 1 set/get setting value.					Analog Value	
1010		41011	Group 1 start operation: 5f/1f content rate	x	x	Same as group 1 set/get setting value.					Analog Value	
1011		41012	Group 1 start operation: Limiter for 5f/1f content rate	x	x	Same as group 1 set/get setting value.					Analog Value	
1012		41013	Group 1 start operation: DIFF (ratio differential element) OFF: Do not use,	x	x	Same as group 1 set/get setting value.					Analog Value	
1013		41014	Group 1 start operation: DIFF control method selection (MAX: Maximum value, SUM: Scalar sum)	x	x	Same as group 1 set/get setting value.					Analog Value	
1014		41015	Group 1 start operation: DIFF minimum operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1015		41016	Group 1 start operation: DIFF ratio K1	x	x	Same as group 1 set/get setting value.					Analog Value	
1016		41017	Group 1 start operation: DIFF ratio K2	x	x	Same as group 1 set/get setting value.					Analog Value	
1017		41018	Group 1 start operation: DIFF ratio switch point (switching value from K1 to	x	x	Same as group 1 set/get setting value.					Analog Value	
1018		41019	Group 1 start operation: DIFF operating time (management value 50 ms or lower when 0.00)	x	x	Same as group 1 set/get setting value.					Analog Value	
1019		41020	Group 1 start operation: DIFF use/do not use differential monitoring (OFF: Do not use, ON: Use)	x	x	Same as group 1 set/get setting value.					Analog Value	
1020		41021	Group 1 start operation: DIFF differential monitoring operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1021		41022	Group 1 start operation: DIFF differential monitoring ratio	x	x	Same as group 1 set/get setting value.					Analog Value	
1022		41023	Group 1 start operation: DIFF 2f lock OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1023		41024	Group 1 start operation: DIFF lock method when 2f detected	x	x	Same as group 1 set/get setting value.					Analog Value	
1024		41025	Group 1 start operation: DIFF 5f lock OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1025		41026	Group 1 start operation: DIFFH (differential overcurrent element) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1026		41027	Group 1 start operation: DIFFH operating current (multiplying factor)	x	x	Same as group 1 set/get setting value.					Analog Value	
1027		41028	Group 1 start operation: DIFFH operating time (management value 30 ms or lower when 0.00)	x	x	Same as group 1 set/get setting value.					Analog Value	
1028		41029	Group 1 start operation: RGFH (zero phase differential element) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1029		41030	Group 1 start operation: RGFH minimum operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1030		41031	Group 1 start operation: RGFH ratio K1	x	x	Same as group 1 set/get setting value.					Analog Value	
1031		41032	Group 1 start operation: RGFH ratio K2	x	x	Same as group 1 set/get setting value.					Analog Value	
1032		41033	Group 1 start operation: RGFH ratio switch point (switching value from K1 to	x	x	Same as group 1 set/get setting value.					Analog Value	
1033		41034	Group 1 start operation: RGFH operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1034		41035	Group 1 start operation: RGFH CT saturation countermeasure OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1035		41036	Group 1 start operation: RGFH zero phase error countermeasure OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1036		41037	Group 1 start operation: RGFH operating current for zero phase error	x	x	Same as group 1 set/get setting value.					Analog Value	
1037		41038	Group 1 start operation: RGFL (zero phase differential element) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1038		41039	Group 1 start operation: RGFL minimum operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1039		41040	Group 1 start operation: RGFL ratio K1	x	x	Same as group 1 set/get setting value.					Analog Value	
1040		41041	Group 1 start operation: RGFL ratio K2	x	x	Same as group 1 set/get setting value.					Analog Value	
1041		41042	Group 1 start operation: RGFL ratio switch point (switching value from K1 to	x	x	Same as group 1 set/get setting value.					Analog Value	
1042		41043	Group 1 start operation: RGFL operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1043		41044	Group 1 start operation: RGFL CT saturation countermeasure OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1044		41045	Group 1 start operation: RGFL zero phase error countermeasure OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1045		41046	Group 1 start operation: RGFL operating current for zero phase error	x	x	Same as group 1 set/get setting value.					Analog Value	
1046		41047	Group 1 start operation: OC2f 2f/1f content rate	x	x	Same as group 1 set/get setting value.					Analog Value	
1047		41048	Group 1 start operation: OC2f 1f limiter	x	x	Same as group 1 set/get setting value.					Analog Value	
1048		41049	Group 1 start operation: OC1H (overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1049		41050	Group 1 start operation: OC1H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1050		41051	Group 1 start operation: OC1H operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1051		41052	Group 1 start operation: OC1L (overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1052		41053	Group 1 start operation: OC1L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1053		41054	Group 1 start operation: OC1L operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1054		41055	Group 1 start operation: OCN1H (ground overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1055		41056	Group 1 start operation: OCN1H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1056		41057	Group 1 start operation: OCN1H operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1057		41058	Group 1 start operation: OCN1L (ground overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1058		41059	Group 1 start operation: OCN1L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1059		41060	Group 1 start operation: OCN1L operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1060		41061	Group 1 start operation: OC2H (overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1061		41062	Group 1 start operation: OC2H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1062		41063	Group 1 start operation: OC2H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1063		41064	Group 1 start operation: OC2H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1064		41065	Group 1 start operation: OC2L overcurrent instantaneous element 2L OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1065		41066	Group 1 start operation: OC2L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1066		41067	Group 1 start operation: OC2L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1067		41068	Group 1 start operation: OC2L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1068		41069	Group 1 start operation: OCN2H (ground overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1069		41070	Group 1 start operation: OCN2H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1070		41071	Group 1 start operation: OCN2H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1071		41072	Group 1 start operation: OCN2H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1072		41073	Group 1 start operation: OCN2L (ground overcurrent instantaneous element 2L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1073		41074	Group 1 start operation: OCN2L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1074		41075	Group 1 start operation: OCN2L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1075		41076	Group 1 start operation: OCN2L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1076		41077	Group 1 start operation: OC3H (overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1077		41078	Group 1 start operation: OC3H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1078		41079	Group 1 start operation: OC3H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1079		41080	Group 1 start operation: OC3H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1080		41081	Group 1 start operation: OC3L (overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1081		41082	Group 1 start operation: OC3L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1082		41083	Group 1 start operation: OC3L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1083		41084	Group 1 start operation: OC3L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1084		41085	Group 1 start operation: OCN3H (ground overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1085		41086	Group 1 start operation: OCN3H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1086		41087	Group 1 start operation: OCN3H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1087		41088	Group 1 start operation: OCN3H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1088		41089	Group 1 start operation: OCN3L (ground overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1089		41090	Group 1 start operation: OCN3L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1090		41091	Group 1 start operation: OCN3L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 1 set/get setting value.					Analog Value	
1091		41092	Group 1 start operation: OCN3L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1092		41093	Group 1 start operation: OC4H (overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1093		41094	Group 1 start operation: OC4H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
1094	16 3	41095	Group 1 start operation: OC4H operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 41001+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If out of range or out of step, the slave will respond with an error status with the 39807 completion check. When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE. • When any kind of data is received in a reserved area, the slave will notify the master of the error with the check group 1 setting value data writing processing. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
1095		41096	Group 1 start operation: OC4H inverse time limit operating characteristic	x	x	Same as group 1 set/get setting value.					Analog Value	
1096		41097	Group 1 start operation: OC4H inverse time limit counter recovery	x	x	Same as group 1 set/get setting value.					Analog Value	
1097		41098	Group 1 start operation: OC4H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1098		41099	Group 1 start operation: OC4H OFF: Normal characteristics, ON: IEC	x	x	Same as group 1 set/get setting value.					Analog Value	
1099		41100	Group 1 start operation: OC4L (overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1100		41101	Group 1 start operation: OC4L operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1101		41102	Group 1 start operation: OC4L operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1102		41103	Group 1 start operation: OC4L inverse time limit operating characteristic	x	x	Same as group 1 set/get setting value.					Analog Value	
1103		41104	Group 1 start operation: OC4L inverse time limit counter recovery	x	x	Same as group 1 set/get setting value.					Analog Value	
1104		41105	Group 1 start operation: OC4L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1105		41106	Group 1 start operation: OC4L OFF: Normal characteristics, ON: IEC	x	x	Same as group 1 set/get setting value.					Analog Value	
1106		41107	Group 1 start operation: OCN4H (ground overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1107		41108	Group 1 start operation: OCN4H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1108		41109	Group 1 start operation: OCN4H operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1109		41110	Group 1 start operation: OCN4H inverse time limit operating characteristic	x	x	Same as group 1 set/get setting value.					Analog Value	
1110		41111	Group 1 start operation: OCN4H inverse time limit counter recovery	x	x	Same as group 1 set/get setting value.					Analog Value	
1111		41112	Group 1 start operation: OCN4H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1112		41113	Group 1 start operation: OCN4H OFF: Normal characteristics, ON: IEC characteristics	x	x	Same as group 1 set/get setting value.					Analog Value	
1113		41114	Group 1 start operation: OCN4L (ground overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1114		41115	Group 1 start operation: OCN4L operating current			Same as group 1 set/get setting value.					Analog Value	
1115		41116	Group 1 start operation: OCN4L operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1116		41117	Group 1 start operation: OCN4L inverse time limit operating characteristic	x	x	Same as group 1 set/get setting value.					Analog Value	
1117		41118	Group 1 start operation: OCN4L inverse time limit counter recovery	x	x	Same as group 1 set/get setting value.					Analog Value	
1118		41119	Group 1 start operation: OCN4L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 1 set/get setting value.					Analog Value	
1119		41120	Group 1 start operation: OCN4L OFF: Normal characteristics, ON: IEC characteristics	x	x	Same as group 1 set/get setting value.					Analog Value	
1120		41121	Group 1 start operation: THOLH (overload element H) OFF: Do not use, ON:	x	x	Same as group 1 set/get setting value.					Analog Value	
1121		41122	Group 1 start operation: THOLH COLD/HOT characteristic selection	x	x	Same as group 1 set/get setting value.					Analog Value	
1122		41123	Group 1 start operation: THOLH operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1123		41124	Group 1 start operation: THOLH operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1124		41125	Group 1 start operation: THOLH negative phase heat multiplying factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1125		41126	Group 1 start operation: THOLL (overload element L) OFF: Do not use, ON:	x	x	Same as group 1 set/get setting value.					Analog Value	
1126		41127	Group 1 start operation: THOLL COLD/HOT characteristic selection	x	x	Same as group 1 set/get setting value.					Analog Value	
1127		41128	Group 1 start operation: THOLL operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1128		41129	Group 1 start operation: THOLL operating time scaling factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1129		41130	Group 1 start operation: THOLL negative phase heat multiplying factor	x	x	Same as group 1 set/get setting value.					Analog Value	
1130		41131	Group 1 start operation: OCNEG1H (negative phase overcurrent element 1H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1131		41132	Group 1 start operation: OCNEG1H operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1132		41133	Group 1 start operation: OCNEG1H operating time	x	x	Same as group 1 set/get setting value.					Analog Value	
1133		41134	Group 1 start operation: OCNEG1L (negative phase overcurrent element 1L) OFF: Do not use, ON: Use			Same as group 1 set/get setting value.					Analog Value	
1134		41135	Group 1 start operation: OCNEG1L operating current			Same as group 1 set/get setting value.					Analog Value	
1135		41136	Group 1 start operation: OCNEG1L operating time	x	x	Same as group 1 set/get setting value.					Analog Value	
1136		41137	Group 1 start operation: OCNEG2H (negative phase overcurrent element 2H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1137		41138	Group 1 start operation: OCNEG2H operating current			Same as group 1 set/get setting value.					Analog Value	
1138		41139	Group 1 start operation: OCNEG2H operating time			Same as group 1 set/get setting value.					Analog Value	
1139		41140	Group 1 start operation: OCNEG2L (negative phase overcurrent element 2L) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1140		41141	Group 1 start operation: OCNEG2L operating current			Same as group 1 set/get setting value.					Analog Value	
1141		41142	Group 1 start operation: OCNEG2L operating time	x	x	Same as group 1 set/get setting value.					Analog Value	
1142		41143	Group 1 start operation: CBFH (CBF detection element H) OFF: Do not use, ON: Use	x	x	Same as group 1 set/get setting value.					Analog Value	
1143		41144	Group 1 start operation: CBFH CBFN detection element H OFF: Do not use, ON: Use	x	x	Same as group 4 set/get setting value.					Analog Value	
1144		41145	Group 1 start operation: CBFH CBF operating current	x	x	Same as group 3 set/get setting value.					Analog Value	
1145		41146	Group 1 start operation: CBFH CBFN operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1146		41147	Group 1 start operation: CBFH operating time	x	x	Same as group 1 set/get setting value.					Analog Value	
1147		41148	Group 1 start operation: CBFL CBF detection element L OFF: Do not use,	x	x	Same as group 0 set/get setting value.					Analog Value	
1148		41149	Group 1 start operation: CBFL CBFN detection element L OFF: Do not use,	x	x	Same as group 1 set/get setting value.					Analog Value	
1149		41150	Group 1 start operation: CBFL CBF operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1150		41151	Group 1 start operation: CBFL CBFN operating current	x	x	Same as group 1 set/get setting value.					Analog Value	
1151		41152	Group 1 start operation: CBFL operating time	x	x	Same as group 1 set/get setting value.					Analog Value	
1152		41153	(Reserved)	x	x							
1153		41154	(Reserved)	x	x							
1154		41155	(Reserved)	x	x							
1155		41156	(Reserved)	x	x							
1156		41157	(Reserved)	x	x							
1157		41158	(Reserved)	x	x							
1158		41159	(Reserved)	x	x							
1159		41160	(Reserved)	x	x							
1160	16 3	41161	(Reserved)	x	x							
1161		41162	(Reserved)	x	x							
1162		41163	(Reserved)	x	x							
1163		41164	(Reserved)	x	x							
1164		41165	(Reserved)	x	x							
1165		41166	(Reserved)	x	x							
1166		41167	(Reserved)	x	x							
1167		41168	(Reserved)	x	x							
1168		41169	(Reserved)	x	x							
1169		41170	(Reserved)	x	x							
1170		41171	(Reserved)	x	x							
1171		41172	(Reserved)	x	x							
1172		41173	(Reserved)	x	x							
1173		41174	(Reserved)	x	x							
1174		41175	(Reserved)	x	x							
1175		41176	(Reserved)	x	x							
1176		41177	(Reserved)	x	x							
1177		41178	(Reserved)	x	x							
1178		41179	(Reserved)	x	x							
1179		41180	(Reserved)	x	x							
1180		41181	(Reserved)	x	x							
1181		41182	(Reserved)	x	x							
1182		41183	(Reserved)	x	x							
1183		41184	(Reserved)	x	x							
1184		41185	(Reserved)	x	x							
1185		41186	(Reserved)	x	x							
1186		41187	(Reserved)	x	x							
1187		41188	(Reserved)	x	x							
1188		41189	(Reserved)	x	x							
1189		41190	(Reserved)	x	x							
1190		41191	(Reserved)	x	x							
1191		41192	(Reserved)	x	x							
1192		41193	(Reserved)	x	x							
1193		41194	(Reserved)	x	x							
1194		41195	(Reserved)	x	x							
1195		41196	(Reserved)	x	x							
1196		41197	(Reserved)	x	x							
1197		41198	(Reserved)	x	x							
1198		41199	(Reserved)	x	x							
1199		41200	(Reserved)	x	x							
1200		41201	(Reserved)	x	x							
1201		41202	(Reserved)	x	x							
1202		41203	(Reserved)	x	x							
1203		41204	(Reserved)	x	x							
1204		41205	(Reserved)	x	x							
1205		41206	(Reserved)	x	x							
1206		41207	(Reserved)	x	x							
1207		41208	(Reserved)	x	x							
1208		41209	(Reserved)	x	x							
1209		41210	(Reserved)	x	x							
1210		41211	(Reserved)	x	x							
1211		41212	(Reserved)	x	x							
1212		41213	(Reserved)	x	x							
1213		41214	(Reserved)	x	x							
1214		41215	(Reserved)	x	x							
1215		41216	(Reserved)	x	x							
1216		41217	(Reserved)	x	x							
1217		41218	(Reserved)	x	x							
1218		41219	(Reserved)	x	x							
1219		41220	(Reserved)	x	x							

Holding Register Map Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
1220	16 3	41221	(Reserved)	x	x							
1221		41222	(Reserved)	x	x							
1222		41223	(Reserved)	x	x							
1223		41224	(Reserved)	x	x							
1224		41225	(Reserved)	x	x							
1225		41226	(Reserved)	x	x							
1226		41227	(Reserved)	x	x							
1227		41228	(Reserved)	x	x							
1228		41229	(Reserved)	x	x							
1229		41230	(Reserved)	x	x							
1230		41231	(Reserved)	x	x							
1231		41232	(Reserved)	x	x							
1232		41233	(Reserved)	x	x							
1233		41234	(Reserved)	x	x							
1234		41235	(Reserved)	x	x							
1235		41236	(Reserved)	x	x							
1236		41237	(Reserved)	x	x							
1237		41238	(Reserved)	x	x							
1238		41239	(Reserved)	x	x							
1239		41240	(Reserved)	x	x							
1240		41241	(Reserved)	x	x							
1241		41242	(Reserved)	x	x							
1242		41243	(Reserved)	x	x							
1243		41244	(Reserved)	x	x							
1244		41245	(Reserved)	x	x							
1245		41246	(Reserved)	x	x							
1246		41247	(Reserved)	x	x							
1247		41248	(Reserved)	x	x							
1248		41249	(Reserved)	x	x							
1249		41250	(Reserved)	x	x							
1250		41251	(Reserved)	x	x							
1251		41252	(Reserved)	x	x							
1252		41253	(Reserved)	x	x							
1253		41254	(Reserved)	x	x							
1254		41255	(Reserved)	x	x							
1255		41256	(Reserved)	x	x							
1500	16 3	41501	Group 2 start operation: Transformer connection	x	x	Same as group 2 set/get setting value.					Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 41501+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If out of range or out of step, the slave will respond with an error status with the 39808 completion check. When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE. • When any kind of data is received in a reserved area, the slave will notify the master of the error with the check group 2 setting value data writing processing. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
1501		41502	Group 2 start operation: Zero phase compensation	x	x	Same as group 2 set/get setting value.					Analog Value	
1502		41503	Group 2 start operation: Transformer connection	x	x	Same as group 2 set/get setting value.					Analog Value	
1503		41504	Group 2 start operation: Zero phase compensation	x	x	Same as group 2 set/get setting value.					Analog Value	
1504		41505	Group 2 start operation: Transformer H-side positive phase matching tap	x	x	Same as group 2 set/get setting value.					Analog Value	
1505		41506	Group 2 start operation: Transformer L-side positive phase matching tap	x	x	Same as group 2 set/get setting value.					Analog Value	
1506		41507	Group 2 start operation: Transformer H-side neutral current matching tap	x	x	Same as group 2 set/get setting value.					Analog Value	
1507		41508	Group 2 start operation: Transformer L-side neutral current matching tap	x	x	Same as group 2 set/get setting value.					Analog Value	
1508		41509	Group 2 start operation: 2f/1f content rate	x	x	Same as group 2 set/get setting value.					Analog Value	
1509		41510	Group 2 start operation: 1f limiter for 2f/1f content rate	x	x	Same as group 2 set/get setting value.					Analog Value	
1510		41511	Group 2 start operation: 5f/1f content rate	x	x	Same as group 2 set/get setting value.					Analog Value	
1511		41512	Group 2 start operation: Limiter for 5f/1f content rate	x	x	Same as group 2 set/get setting value.					Analog Value	
1512		41513	Group 2 start operation: DIFF (ratio differential element) OFF: Do not use,	x	x	Same as group 2 set/get setting value.					Analog Value	
1513		41514	Group 2 start operation: DIFF control method selection (MAX: Maximum value, SUM: Scalar sum)	x	x	Same as group 2 set/get setting value.					Analog Value	
1514		41515	Group 2 start operation: DIFF minimum operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1515		41516	Group 2 start operation: DIFF ratio K1	x	x	Same as group 2 set/get setting value.					Analog Value	
1516		41517	Group 2 start operation: DIFF ratio K2	x	x	Same as group 2 set/get setting value.					Analog Value	
1517		41518	Group 2 start operation: DIFF ratio switch point (switching value from K1 to	x	x	Same as group 2 set/get setting value.					Analog Value	
1518		41519	Group 2 start operation: DIFF operating time (management value 50 ms or lower when 0.00)	x	x	Same as group 2 set/get setting value.					Analog Value	
1519		41520	Group 2 start operation: DIFF use/do not use differential monitoring (OFF: Do not use, ON: Use)	x	x	Same as group 2 set/get setting value.					Analog Value	
1520		41521	Group 2 start operation: DIFF differential monitoring operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1521		41522	Group 2 start operation: DIFF differential monitoring ratio	x	x	Same as group 2 set/get setting value.					Analog Value	
1522		41523	Group 2 start operation: DIFF 2f lock OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1523		41524	Group 2 start operation: DIFF lock method when 2f detected	x	x	Same as group 2 set/get setting value.					Analog Value	
1524		41525	Group 2 start operation: DIFF 5f lock OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1525		41526	Group 2 start operation: DIFFH (differential overcurrent element) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1526		41527	Group 2 start operation: DIFFH operating current (multiplying factor)	x	x	Same as group 2 set/get setting value.					Analog Value	
1527		41528	Group 2 start operation: DIFFH operating time (management value 30 ms or lower when 0.00)	x	x	Same as group 2 set/get setting value.					Analog Value	
1528		41529	Group 2 start operation: RGFH (zero phase differential element) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1529		41530	Group 2 start operation: RGFH minimum operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1530		41531	Group 2 start operation: RGFH ratio K1	x	x	Same as group 2 set/get setting value.					Analog Value	
1531		41532	Group 2 start operation: RGFH ratio K2	x	x	Same as group 2 set/get setting value.					Analog Value	
1532		41533	Group 2 start operation: RGFH ratio switch point (switching value from K1 to	x	x	Same as group 2 set/get setting value.					Analog Value	
1533		41534	Group 2 start operation: RGFH operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1534		41535	Group 2 start operation: RGFH CT saturation countermeasure OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1535		41536	Group 2 start operation: RGFH zero phase error countermeasure OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1536		41537	Group 2 start operation: RGFH operating current for zero phase error	x	x	Same as group 2 set/get setting value.					Analog Value	
1537		41538	Group 2 start operation: RGFL (zero phase differential element) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1538		41539	Group 2 start operation: RGFL minimum operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1539		41540	Group 2 start operation: RGFL ratio K1	x	x	Same as group 2 set/get setting value.					Analog Value	
1540		41541	Group 2 start operation: RGFL ratio K2	x	x	Same as group 2 set/get setting value.					Analog Value	
1541		41542	Group 2 start operation: RGFL ratio switch point (switching value from K1 to	x	x	Same as group 2 set/get setting value.					Analog Value	
1542		41543	Group 2 start operation: RGFL operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1543		41544	Group 2 start operation: RGFL CT saturation countermeasure OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1544		41545	Group 2 start operation: RGFL zero phase error countermeasure OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1545		41546	Group 2 start operation: RGFL operating current for zero phase error	x	x	Same as group 2 set/get setting value.					Analog Value	
1546		41547	Group 2 start operation: OC2f 2f/1f content rate	x	x	Same as group 2 set/get setting value.					Analog Value	
1547		41548	Group 2 start operation: OC2f 1f limiter	x	x	Same as group 2 set/get setting value.					Analog Value	
1548		41549	Group 2 start operation: OC1H (overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1549		41550	Group 2 start operation: OC1H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1550		41551	Group 2 start operation: OC1H operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1551		41552	Group 2 start operation: OC1L (overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1552		41553	Group 2 start operation: OC1L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1553		41554	Group 2 start operation: OC1L operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1554		41555	Group 2 start operation: OCN1H (ground overcurrent instantaneous element 1H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1555		41556	Group 2 start operation: OCN1H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1556		41557	Group 2 start operation: OCN1H operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1557		41558	Group 2 start operation: OCN1L (ground overcurrent instantaneous element 1L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1558		41559	Group 2 start operation: OCN1L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1559		41560	Group 2 start operation: OCN1L operating time (management value 30 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1560		41561	Group 2 start operation: OC2H (overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1561		41562	Group 2 start operation: OC2H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1562		41563	Group 2 start operation: OC2H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1563		41564	Group 2 start operation: OC2H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1564		41565	Group 2 start operation: OC2L overcurrent instantaneous element 2L OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1565		41566	Group 2 start operation: OC2L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1566		41567	Group 2 start operation: OC2L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1567		41568	Group 2 start operation: OC2L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1568		41569	Group 2 start operation: OCN2H (ground overcurrent instantaneous element 2H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1569		41570	Group 2 start operation: OCN2H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1570		41571	Group 2 start operation: OCN2H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1571		41572	Group 2 start operation: OCN2H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1572		41573	Group 2 start operation: OCN2L (ground overcurrent instantaneous element 2L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1573		41574	Group 2 start operation: OCN2L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
1574	16 3	41575	Group 2 start operation: OCN2L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 41501+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If out of range or out of step, the slave will respond with an error status with the 39808 completion check. When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE. • When any kind of data is received in a reserved area, the slave will notify the master of the error with the check group 2 setting value data writing processing. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
1575		41576	Group 2 start operation: OCN2L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1576		41577	Group 2 start operation: OC3H (overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1577		41578	Group 2 start operation: OC3H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1578		41579	Group 2 start operation: OC3H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1579		41580	Group 2 start operation: OC3H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1580		41581	Group 2 start operation: OC3L (overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1581		41582	Group 2 start operation: OC3L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1582		41583	Group 2 start operation: OC3L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1583		41584	Group 2 start operation: OC3L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1584		41585	Group 2 start operation: OCN3H (ground overcurrent instantaneous element 3H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1585		41586	Group 2 start operation: OCN3H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1586		41587	Group 2 start operation: OCN3H operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1587		41588	Group 2 start operation: OCN3H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1588		41589	Group 2 start operation: OCN3L (ground overcurrent instantaneous element 3L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1589		41590	Group 2 start operation: OCN3L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1590		41591	Group 2 start operation: OCN3L operating time (management value 40 ms or lower when 0.0)	x	x	Same as group 2 set/get setting value.					Analog Value	
1591		41592	Group 2 start operation: OCN3L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1592		41593	Group 2 start operation: OC4H (overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1593		41594	Group 2 start operation: OC4H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1594		41595	Group 2 start operation: OC4H operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1595		41596	Group 2 start operation: OC4H inverse time limit operating characteristic	x	x	Same as group 2 set/get setting value.					Analog Value	
1596		41597	Group 2 start operation: OC4H inverse time limit counter recovery	x	x	Same as group 2 set/get setting value.					Analog Value	
1597		41598	Group 2 start operation: OC4H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1598		41599	Group 2 start operation: OC4H OFF: Normal characteristics, ON: IEC	x	x	Same as group 2 set/get setting value.					Analog Value	
1599		41600	Group 2 start operation: OC4L (overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1600		41601	Group 2 start operation: OC4L operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1601		41602	Group 2 start operation: OC4L operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1602		41603	Group 2 start operation: OC4L inverse time limit operating characteristic	x	x	Same as group 2 set/get setting value.					Analog Value	
1603		41604	Group 2 start operation: OC4L inverse time limit counter recovery	x	x	Same as group 2 set/get setting value.					Analog Value	
1604		41605	Group 2 start operation: OC4L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1605		41606	Group 2 start operation: OC4L OFF: Normal characteristics, ON: IEC	x	x	Same as group 2 set/get setting value.					Analog Value	
1606		41607	Group 2 start operation: OCN4H (ground overcurrent time limit element 4H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1607		41608	Group 2 start operation: OCN4H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1608		41609	Group 2 start operation: OCN4H operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1609		41610	Group 2 start operation: OCN4H inverse time limit operating characteristic	x	x	Same as group 2 set/get setting value.					Analog Value	
1610		41611	Group 2 start operation: OCN4H inverse time limit counter recovery	x	x	Same as group 2 set/get setting value.					Analog Value	
1611		41612	Group 2 start operation: OCN4H OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1612		41613	Group 2 start operation: OCN4H OFF: Normal characteristics, ON: IEC characteristics	x	x	Same as group 2 set/get setting value.					Analog Value	
1613		41614	Group 2 start operation: OCN4L (ground overcurrent time limit element 4L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1614		41615	Group 2 start operation: OCN4L operating current			Same as group 2 set/get setting value.					Analog Value	
1615		41616	Group 2 start operation: OCN4L operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1616		41617	Group 2 start operation: OCN4L inverse time limit operating characteristic	x	x	Same as group 2 set/get setting value.					Analog Value	
1617		41618	Group 2 start operation: OCN4L inverse time limit counter recovery	x	x	Same as group 2 set/get setting value.					Analog Value	
1618		41619	Group 2 start operation: OCN4L OFF: Without 2f lock, ON: With 2f lock	x	x	Same as group 2 set/get setting value.					Analog Value	
1619		41620	Group 2 start operation: OCN4L OFF: Normal characteristics, ON: IEC characteristics	x	x	Same as group 2 set/get setting value.					Analog Value	
1620		41621	Group 2 start operation: THOLH (overload element H) OFF: Do not use, ON:	x	x	Same as group 2 set/get setting value.					Analog Value	
1621		41622	Group 2 start operation: THOLH COLD/HOT characteristic selection	x	x	Same as group 2 set/get setting value.					Analog Value	
1622		41623	Group 2 start operation: THOLH operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1623		41624	Group 2 start operation: THOLH operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1624		41625	Group 2 start operation: THOLH negative phase heat multiplying factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1625		41626	Group 2 start operation: THOLL (overload element L) OFF: Do not use, ON:	x	x	Same as group 2 set/get setting value.					Analog Value	
1626		41627	Group 2 start operation: THOLL COLD/HOT characteristic selection	x	x	Same as group 2 set/get setting value.					Analog Value	
1627		41628	Group 2 start operation: THOLL operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1628		41629	Group 2 start operation: THOLL operating time scaling factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1629		41630	Group 2 start operation: THOLL negative phase heat multiplying factor	x	x	Same as group 2 set/get setting value.					Analog Value	
1630		41631	Group 2 start operation: OCNEG1H (negative phase overcurrent element 1H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1631		41632	Group 2 start operation: OCNEG1H operating current	x	x	Same as group 2 set/get setting value.					Analog Value	
1632		41633	Group 2 start operation: OCNEG1H operating time	x	x	Same as group 2 set/get setting value.					Analog Value	
1633		41634	Group 2 start operation: OCNEG1L (negative phase overcurrent element 1L) OFF: Do not use, ON: Use			Same as group 2 set/get setting value.					Analog Value	
1634		41635	Group 2 start operation: OCNEG1L operating current			Same as group 2 set/get setting value.					Analog Value	
1635		41636	Group 2 start operation: OCNEG1L operating time	x	x	Same as group 2 set/get setting value.					Analog Value	
1636		41637	Group 2 start operation: OCNEG2H (negative phase overcurrent element 2H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1637		41638	Group 2 start operation: OCNEG2H operating current			Same as group 2 set/get setting value.					Analog Value	
1638		41639	Group 2 start operation: OCNEG2H operating time			Same as group 2 set/get setting value.					Analog Value	
1639		41640	Group 2 start operation: OCNEG2L (negative phase overcurrent element 2L) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1640		41641	Group 2 start operation: OCNEG2L operating current			Same as group 2 set/get setting value.					Analog Value	
1641		41642	Group 2 start operation: OCNEG2L operating time	x	x	Same as group 2 set/get setting value.					Analog Value	
1642		41643	Group 2 start operation: CBFH (CBF detection element H) OFF: Do not use, ON: Use	x	x	Same as group 2 set/get setting value.					Analog Value	
1643		41644	Group 2 start operation: CBFH CBFN detection element H OFF: Do not use, ON: Use			Same as group 2 set/get setting value.					Analog Value	
1644		41645	Group 2 start operation: CBFH CBF operating current			Same as group 2 set/get setting value.					Analog Value	
1645		41646	Group 2 start operation: CBFH CBFN operating current			Same as group 2 set/get setting value.					Analog Value	
1646		41647	Group 2 start operation: CBFH operating time			Same as group 2 set/get setting value.					Analog Value	
1647		41648	Group 2 start operation: CBFL CBF detection element L OFF: Do not use,			Same as group 2 set/get setting value.					Analog Value	
1648		41649	Group 2 start operation: CBFL CBFN detection element L OFF: Do not use,			Same as group 2 set/get setting value.					Analog Value	
1649		41650	Group 2 start operation: CBFL CBF operating current			Same as group 2 set/get setting value.					Analog Value	
1650		41651	Group 2 start operation: CBFL CBFN operating current			Same as group 2 set/get setting value.					Analog Value	
1651		41652	Group 2 start operation: CBFL operating time			Same as group 2 set/get setting value.					Analog Value	
1652		41653	(Reserved)									
1653		41654	(Reserved)									
1654		41655	(Reserved)									
1655		41656	(Reserved)									
1656		41657	(Reserved)									
1657		41658	(Reserved)									
1658		41659	(Reserved)									
1659		41660	(Reserved)									
1660		41661	(Reserved)									
1661		41662	(Reserved)									
1662		41663	(Reserved)									
1663		41664	(Reserved)									
1664		41665	(Reserved)									
1665		41666	(Reserved)									
1666		41667	(Reserved)									
1667		41668	(Reserved)									
1668		41669	(Reserved)									
1669		41670	(Reserved)									
1670		41671	(Reserved)									
1671		41672	(Reserved)									
1672		41673	(Reserved)									
1673		41674	(Reserved)									
1674		41675	(Reserved)									
1675		41676	(Reserved)									
1676		41677	(Reserved)									
1677		41678	(Reserved)									
1678		41679	(Reserved)									
1679		41680	(Reserved)									
1680		41681	(Reserved)									
1681		41682	(Reserved)									
1682		41683	(Reserved)									
1683		41684	(Reserved)									
1684		41685	(Reserved)									
1685		41686	(Reserved)									
1686		41687	(Reserved)									
1687		41688	(Reserved)									
1688		41689	(Reserved)									
1689		41690	(Reserved)									
1690		41691	(Reserved)									
1691		41692	(Reserved)									

Holding Register Map Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
1692	16 3	41693	(Reserved)									
1693		41694	(Reserved)									
1694		41695	(Reserved)									
1695		41696	(Reserved)									
1696		41697	(Reserved)									
1697		41698	(Reserved)									
1698		41699	(Reserved)									
1699		41700	(Reserved)									
1700		41701	(Reserved)									
1701		41702	(Reserved)									
1702		41703	(Reserved)									
1703		41704	(Reserved)									
1704		41705	(Reserved)									
1705		41706	(Reserved)									
1706		41707	(Reserved)									
1707		41708	(Reserved)									
1708		41709	(Reserved)									
1709		41710	(Reserved)									
1710		41711	(Reserved)									
1711		41712	(Reserved)									
1712		41713	(Reserved)									
1713		41714	(Reserved)									
1714		41715	(Reserved)									
1715		41716	(Reserved)									
1716		41717	(Reserved)									
1717		41718	(Reserved)									
1718		41719	(Reserved)									
1719		41720	(Reserved)									
1720		41721	(Reserved)									
1721		41722	(Reserved)									
1722		41723	(Reserved)									
1723		41724	(Reserved)									
1724		41725	(Reserved)									
1725		41726	(Reserved)									
1726		41727	(Reserved)									
1727		41728	(Reserved)									
1728		41729	(Reserved)									
1729		41730	(Reserved)									
1730		41731	(Reserved)									
1731		41732	(Reserved)									
1732		41733	(Reserved)									
1733		41734	(Reserved)									
1734		41735	(Reserved)									
1735		41736	(Reserved)									
1736		41737	(Reserved)									
1737		41738	(Reserved)									
1738		41739	(Reserved)									
1739		41740	(Reserved)									
1740		41741	(Reserved)									
1741		41742	(Reserved)									
1742		41743	(Reserved)									
1743		41744	(Reserved)									
1744		41745	(Reserved)									
1745		41746	(Reserved)									
1746		41747	(Reserved)									
1747		41748	(Reserved)									
1748		41749	(Reserved)									
1749		41750	(Reserved)									
1750		41751	(Reserved)									
1751		41752	(Reserved)									
1752		41753	(Reserved)									
1753		41754	(Reserved)									
1754		41755	(Reserved)									
1755		41756	(Reserved)									
2000	16 3	42001	Common setting value set/get: Operation settings group number (1 or 2)	x	x	1	2	x	No Unit	0	Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 42001+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
2001		42002	For exclusive use of manufacturer									
2002		42003	Common setting value set/get: DI detection voltage setting <selection>	x	x	4	8	x	V	0	Analog Value	
2003		42004	Common setting value set/get: Time before starting save waveform data (20 ms to 4500 ms)	x	x	100	4500	10	ms	0	Analog Value	
2004		42005	Common setting value set/get: Waveform data save start time	x	x	200	5000	10	ms	0	Analog Value	
2005		42006	For exclusive use of manufacturer									
2006		42007	For exclusive use of manufacturer									
2007		42008	For exclusive use of manufacturer									
2008		42009	For exclusive use of manufacturer									
2009		42010	Common setting value set/get: Initial trip count value (0 to 10,000)	x	x	0	10000	1	No Unit	0	Analog Value	
2010		42011	Common setting value set/get: Trip count value monitoring tap value (1 to	x	x	1	10000	1	No Unit	0	Analog Value	
2011		42012	For exclusive use of manufacturer									
2012		42013	For exclusive use of manufacturer									
2013		42014	For exclusive use of manufacturer									
2014		42015	For exclusive use of manufacturer									
2015		42016	For exclusive use of manufacturer									
2016		42017	For exclusive use of manufacturer									
2017		42018	For exclusive use of manufacturer									
2018		42019	For exclusive use of manufacturer									
2019		42020	For exclusive use of manufacturer									
2020		42021	For exclusive use of manufacturer									
2021		42022	For exclusive use of manufacturer									
2022		42023	For exclusive use of manufacturer									
2023		42024	For exclusive use of manufacturer									
2024		42025	For exclusive use of manufacturer									
2025		42026	For exclusive use of manufacturer									
2026		42027	For exclusive use of manufacturer									
2027		42028	For exclusive use of manufacturer									
2028		42029	For exclusive use of manufacturer									
2029		42030	For exclusive use of manufacturer									
2030		42031	For exclusive use of manufacturer									
2031		42032	For exclusive use of manufacturer									
2032		42033	For exclusive use of manufacturer									
2033		42034	For exclusive use of manufacturer									
2034		42035	For exclusive use of manufacturer									
2035		42036	For exclusive use of manufacturer									
2036		42037	For exclusive use of manufacturer									
2037		42038	For exclusive use of manufacturer									
2038		42039	For exclusive use of manufacturer									
2039		42040	For exclusive use of manufacturer									
2040		42041	Common setting value set/get: AI display primary value/secondary value	x	x	0	1	1	No Unit	0	Analog Value	
2041		42042	For exclusive use of manufacturer								Analog Value	
2042		42043	For exclusive use of manufacturer								Analog Value	
2043		42044	For exclusive use of manufacturer								Analog Value	
2044		42045	For exclusive use of manufacturer								Analog Value	
2045		42046	Common setting value set/get: CT/PT2 primary value	x	x	1	30000	1	A	0	Analog Value	
2046		42047	Common setting value set/get: CT/PT2 secondary value	x	x	5	5	1	A	0	Analog Value	
2047		42048	Common setting value set/get: CT/PT3 primary value	x	x	1	30000	1	A	0	Analog Value	
2048		42049	Common setting value set/get: CT/PT3 secondary value	x	x	5	5	1	No Unit	0	Analog Value	
2049		42050	Common setting value set/get: CT/PT4 primary value	x	x	1	30000	1	A	0	Analog Value	
2050		42051	Common setting value set/get: CT/PT4 secondary value	x	x	5	5	1	A	0	Analog Value	
2051		42052	Common setting value set/get: CT/PT5 primary value	x	x	1	30000	1	A	0	Analog Value	
2052		42053	Common setting value set/get: CT/PT5 secondary value	x	x	5	5	1	No Unit	0	Analog Value	
2053		42054	For exclusive use of manufacturer									
2054		42055	For exclusive use of manufacturer									
2055		42056	For exclusive use of manufacturer									
2056		42057	For exclusive use of manufacturer									
2057		42058	For exclusive use of manufacturer									
2058		42059	For exclusive use of manufacturer									
2059		42060	For exclusive use of manufacturer									
2060		42061	For exclusive use of manufacturer									
2061		42062	For exclusive use of manufacturer									
2062		42063	For exclusive use of manufacturer									
2063		42064	For exclusive use of manufacturer									
2064		42065	Common setting value set/get: System time zone	x	x	-52	52	x	No Unit	0	Analog Value	
2065		42066	Common setting value set/get: DST support	x	x	0	3	1	No Unit	0	Analog Value	
2066		42067	Common setting value set/get: DST start month	x	x	0	11	1	No Unit	0	Analog Value	
2067		42068	Common setting value set/get: DST start week	x	x	1	255	x	No Unit	0	Analog Value	
2068		42069	Common setting value set/get: DST start day of the week	x	x	0	6	1	No Unit	0	Analog Value	
2069		42070	Common setting value set/get: DST start hour	x	x	0	23	1	No Unit	0	Analog Value	
2070		42071	Common setting value set/get: DST start minute	x	x	0	59	1	No Unit	0	Analog Value	
2071		42072	Common setting value set/get: DST end month	x	x	0	11	1	No Unit	0	Analog Value	
2072		42073	Common setting value set/get: DST end week	x	x	1	255	x	No Unit	0	Analog Value	
2073		42074	Common setting value set/get: DST end day of the week	x	x	0	6	1	No Unit	0	Analog Value	
2074		42075	Common setting value set/get: DST end hour	x	x	0	23	1	No Unit	0	Analog Value	
2075		42076	Common setting value set/get: DST end minute	x	x	0	59	1	No Unit	0	Analog Value	

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
2076	16　3	42077	Common setting value set/get: DST offset	x	x	3600	32400	x	No Unit	0	Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 42001+1*i • Number of access points = 1*j • i+j<=256 (i=0 to 255, j=1 to 256) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
2077		42078	Common setting value set/get: DST base time	x	x	85	170	x	No Unit	0	Analog Value	
2078		42079	Common setting value set/get: Time sync (use IRIG-B)	x	x	0	17	x	No Unit	0	Analog Value	
2079		42080	Common setting value set/get: IRIG-B type	x	x	0	2	1	No Unit	0	Analog Value	
2080		42081	Common setting value set/get: IEEE-1344 extension setting	x	x	0	95	x	No Unit	0	Analog Value	
2081		42082	Common setting value set/get: IRIG time zone	x	x	-52	52	x	No Unit	0	Analog Value	
2082		42083	For exclusive use of manufacturer									
2083		42084	For exclusive use of manufacturer									
2084		42085	For exclusive use of manufacturer									
2085		42086	For exclusive use of manufacturer									
2086		42087	For exclusive use of manufacturer									
2087		42088	For exclusive use of manufacturer									
2088		42089	For exclusive use of manufacturer									
2089		42090	For exclusive use of manufacturer									
2090		42091	For exclusive use of manufacturer									
2091		42092	For exclusive use of manufacturer									
2092		42093	For exclusive use of manufacturer									
2093		42094	For exclusive use of manufacturer									
2094		42095	For exclusive use of manufacturer									
2095		42096	For exclusive use of manufacturer									
2096		42097	For exclusive use of manufacturer									
2097		42098	For exclusive use of manufacturer									
2098		42099	For exclusive use of manufacturer									
2099		42100	For exclusive use of manufacturer									
2100		42101	For exclusive use of manufacturer									
2101		42102	For exclusive use of manufacturer									
2102		42103	For exclusive use of manufacturer									
2103		42104	For exclusive use of manufacturer									
2104		42105	For exclusive use of manufacturer									
2105		42106	For exclusive use of manufacturer									
2106		42107	For exclusive use of manufacturer									
2107		42108	For exclusive use of manufacturer									
2108		42109	For exclusive use of manufacturer									
2109		42110	For exclusive use of manufacturer									
2110		42111	For exclusive use of manufacturer									
2111		42112	For exclusive use of manufacturer									
2112		42113	Common setting value set/get: L/R setting	x	x	0	1	x	No Unit	0	Analog Value	
2113		42114	Common setting value set/get: Use interlock setting	x	x	0	1	x	No Unit	0	Analog Value	
2114		42115	Common setting value set/get: OPEN block setting	x	x	0	1	x	No Unit	0	Analog Value	
2115		42116	Common setting value set/get: CLOSE block setting	x	x	0	1	x	No Unit	0	Analog Value	
2116		42117	Common setting value set/get: Control wait time	x	x	0	60	1	s	0	Analog Value	
2117		42118	For exclusive use of manufacturer									
2118		42119	For exclusive use of manufacturer									
2119		42120	For exclusive use of manufacturer									
2120		42121	For exclusive use of manufacturer									
2121		42122	For exclusive use of manufacturer									
2122		42123	For exclusive use of manufacturer									
2123		42124	For exclusive use of manufacturer									
2124		42125	For exclusive use of manufacturer									
2125		42126	For exclusive use of manufacturer									
2126		42127	Common setting value set/get: Forced DO control setting	x	x	1	20	1	s	0	Analog Value	
2127		42128	For exclusive use of manufacturer									
2128		42129	For exclusive use of manufacturer									
2129		42130	For exclusive use of manufacturer									
2130		42131	For exclusive use of manufacturer									
2131		42132	For exclusive use of manufacturer									
2132		42133	For exclusive use of manufacturer									
2133		42134	For exclusive use of manufacturer									
2134		42135	For exclusive use of manufacturer									
2135		42136	For exclusive use of manufacturer									
2136		42137	For exclusive use of manufacturer									
2137		42138	For exclusive use of manufacturer									
2138		42139	For exclusive use of manufacturer									
2139		42140	For exclusive use of manufacturer									
2140		42141	For exclusive use of manufacturer									
2141		42142	For exclusive use of manufacturer									
2142		42143	For exclusive use of manufacturer									
2143		42144	For exclusive use of manufacturer									
2144		42145	For exclusive use of manufacturer									
2145		42146	For exclusive use of manufacturer									
2146		42147	For exclusive use of manufacturer									
2147		42148	For exclusive use of manufacturer									
2148		42149	For exclusive use of manufacturer									
2149		42150	For exclusive use of manufacturer									
2150		42151	For exclusive use of manufacturer									
2151		42152	For exclusive use of manufacturer									
2152		42153	For exclusive use of manufacturer									
2153		42154	For exclusive use of manufacturer									
2154		42155	For exclusive use of manufacturer									
2155		42156	For exclusive use of manufacturer									
2156		42157	For exclusive use of manufacturer									
2157		42158	For exclusive use of manufacturer									
2158		42159	For exclusive use of manufacturer									
2159		42160	For exclusive use of manufacturer									
2160		42161	For exclusive use of manufacturer									
2161		42162	For exclusive use of manufacturer									
2162		42163	For exclusive use of manufacturer									
2163		42164	For exclusive use of manufacturer									
2164		42165	For exclusive use of manufacturer									
2165		42166	For exclusive use of manufacturer									
2166		42167	For exclusive use of manufacturer									
2167		42168	For exclusive use of manufacturer									
2168		42169	For exclusive use of manufacturer									
2169		42170	For exclusive use of manufacturer									
2170		42171	For exclusive use of manufacturer									
2171		42172	For exclusive use of manufacturer									
2172		42173	For exclusive use of manufacturer									
2173		42174	For exclusive use of manufacturer									
2174		42175	For exclusive use of manufacturer									
2175		42176	For exclusive use of manufacturer									
2176		42177	For exclusive use of manufacturer									
2177		42178	For exclusive use of manufacturer									
2178		42179	For exclusive use of manufacturer									
2179		42180	For exclusive use of manufacturer									
2180		42181	For exclusive use of manufacturer									
2181		42182	For exclusive use of manufacturer									
2182		42183	For exclusive use of manufacturer									
2183		42184	For exclusive use of manufacturer									
2184		42185	For exclusive use of manufacturer									
2185		42186	For exclusive use of manufacturer									
2186		42187	For exclusive use of manufacturer									
2187		42188	For exclusive use of manufacturer									
2188		42189	For exclusive use of manufacturer									
2189		42190	For exclusive use of manufacturer									
2190		42191	For exclusive use of manufacturer									
2191		42192	For exclusive use of manufacturer									
2192		42193	For exclusive use of manufacturer									
2193		42194	For exclusive use of manufacturer									
2194		42195	For exclusive use of manufacturer									
2195		42196	For exclusive use of manufacturer									
2196		42197	For exclusive use of manufacturer									
2197		42198	For exclusive use of manufacturer									
2198		42199	For exclusive use of manufacturer									
2199		42200	For exclusive use of manufacturer									
2200		42201	For exclusive use of manufacturer									
2201		42202	For exclusive use of manufacturer									
2202		42203	For exclusive use of manufacturer									
2203		42204	For exclusive use of manufacturer									
2204		42205	For exclusive use of manufacturer									
2205		42206	For exclusive use of manufacturer									
2206		42207	For exclusive use of manufacturer									
2207		42208	For exclusive use of manufacturer									
2208		42209	For exclusive use of manufacturer									
2209		42210	For exclusive use of manufacturer									
2210		42211	For exclusive use of manufacturer									
2211		42212	For exclusive use of manufacturer									
2212		42213	For exclusive use of manufacturer									
2213		42214	For exclusive use of manufacturer									
2214		42215	For exclusive use of manufacturer									
2215		42216	For exclusive use of manufacturer									
2216		42217	For exclusive use of manufacturer									
2217		42218	For exclusive use of manufacturer									
2218		42219	For exclusive use of manufacturer									
2219		42220	For exclusive use of manufacturer									
2220		42221	For exclusive use of manufacturer									
2221		42222	For exclusive use of manufacturer									
2222		42223	For exclusive use of manufacturer									
2223		42224	For exclusive use of manufacturer									
2224		42225	For exclusive use of manufacturer									

Holding Register Map Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
2225	16 3	42226	For exclusive use of manufacturer									
2226		42227	For exclusive use of manufacturer									
2227		42228	For exclusive use of manufacturer									
2228		42229	For exclusive use of manufacturer									
2229		42230	For exclusive use of manufacturer									
2230		42231	For exclusive use of manufacturer									
2231		42232	For exclusive use of manufacturer									
2232		42233	For exclusive use of manufacturer									
2233		42234	For exclusive use of manufacturer									
2234		42235	For exclusive use of manufacturer									
2235		42236	For exclusive use of manufacturer									
2236		42237	For exclusive use of manufacturer									
2237		42238	For exclusive use of manufacturer									
2238		42239	For exclusive use of manufacturer									
2239		42240	For exclusive use of manufacturer									
2240		42241	For exclusive use of manufacturer									
2241		42242	For exclusive use of manufacturer									
2242		42243	For exclusive use of manufacturer									
2243		42244	For exclusive use of manufacturer									
2244		42245	For exclusive use of manufacturer									
2245		42246	For exclusive use of manufacturer									
2246		42247	For exclusive use of manufacturer									
2247		42248	For exclusive use of manufacturer									
2248		42249	For exclusive use of manufacturer									
2249		42250	For exclusive use of manufacturer									
2250		42251	For exclusive use of manufacturer									
2251		42252	For exclusive use of manufacturer									
2252		42253	For exclusive use of manufacturer									
2253		42254	For exclusive use of manufacturer									
2254		42255	For exclusive use of manufacturer									
3000	16 3	43001	Common setting value start operation: Operation settings group number (1 or 2)	x	x	Same as common set/get.					Analog Value	With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 43001+1*i • Number of access points = 1*j • i+j<=255 (i=0 to 254, j=1 to 255) → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. If out of range or out of step, the slave will respond with an error status with the 39809 completion check. When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE. • When any kind of data is received in a reserved area, the slave will notify the master of the error with the check common setting value data writing processing. For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
3001		43002	For exclusive use of manufacturer									
3002		43003	Common setting value start operation: DI detection voltage setting	x	x	Same as common set/get.					Analog Value	
3003		43004	Common setting value start operation: Time before starting save waveform data (20 ms to 4500 ms)	x	x	Same as common set/get.					Analog Value	
3004		43005	Common setting value start operation: Waveform data save start time	x	x	Same as common set/get.					Analog Value	
3005		43006	For exclusive use of manufacturer									
3006		43007	For exclusive use of manufacturer									
3007		43008	For exclusive use of manufacturer									
3008		43009	For exclusive use of manufacturer									
3009		43010	Common setting value start operation: Initial trip count value (0 to 10,000)	x	x	Same as common set/get.					Analog Value	
3010		43011	Common setting value start operation: Trip count value monitoring tap value (1 to 10,000)	x	x	Same as common set/get.					Analog Value	
3011		43012	For exclusive use of manufacturer									
3012		43013	For exclusive use of manufacturer									
3013		43014	For exclusive use of manufacturer									
3014		43015	For exclusive use of manufacturer									
3015		43016	For exclusive use of manufacturer									
3016		43017	For exclusive use of manufacturer									
3017		43018	For exclusive use of manufacturer									
3018		43019	For exclusive use of manufacturer									
3019		43020	For exclusive use of manufacturer									
3020		43021	For exclusive use of manufacturer									
3021		43022	For exclusive use of manufacturer									
3022		43023	For exclusive use of manufacturer									
3023		43024	For exclusive use of manufacturer									
3024		43025	For exclusive use of manufacturer									
3025		43026	For exclusive use of manufacturer									
3026		43027	For exclusive use of manufacturer									
3027		43028	For exclusive use of manufacturer									
3028		43029	For exclusive use of manufacturer									
3029		43030	For exclusive use of manufacturer									
3030		43031	For exclusive use of manufacturer									
3031		43032	For exclusive use of manufacturer									
3032		43033	For exclusive use of manufacturer									
3033		43034	For exclusive use of manufacturer									
3034		43035	For exclusive use of manufacturer									
3035		43036	For exclusive use of manufacturer									
3036		43037	For exclusive use of manufacturer									
3037		43038	For exclusive use of manufacturer									
3038		43039	For exclusive use of manufacturer									
3039		43040	For exclusive use of manufacturer									
3040		43041	Common setting value start operation: AI display primary value/secondary value setting <selection>	x	x	Same as common set/get.					Analog Value	
3041		43042		x	x	Same as common set/get.					Analog Value	
3042		43043		x	x	Same as common set/get.					Analog Value	
3043		43044		x	x	Same as common set/get.					Analog Value	
3044		43045		x	x	Same as common set/get.					Analog Value	
3045		43046	Common setting value start operation: CT/PT2_primary value	x	x	Same as common set/get.					Analog Value	
3046		43047	Common setting value start operation: CT/PT2_secondary value	x	x	Same as common set/get.					Analog Value	
3047		43048	Common setting value start operation: CT/PT3_primary value	x	x	Same as common set/get.					Analog Value	
3048		43049	Common setting value start operation: CT/PT3_secondary value	x	x	Same as common set/get.					Analog Value	
3049		43050	Common setting value start operation: CT/PT4_primary value	x	x	Same as common set/get.					Analog Value	
3050		43051	Common setting value start operation: CT/PT4_secondary value	x	x	Same as common set/get.					Analog Value	
3051		43052	Common setting value start operation: CT/PT5_primary value	x	x	Same as common set/get.					Analog Value	
3052		43053	Common setting value start operation: CT/PT5_secondary value	x	x	Same as common set/get.					Analog Value	
3053		43054	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3054		43055	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3055		43056	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3056		43057	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3057		43058	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3058		43059	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3059		43060	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3060		43061	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3061		43062	For exclusive use of manufacturer	x	x	Same as common set/get.					Analog Value	
3062		43063	For exclusive use of manufacturer									
3063		43064	For exclusive use of manufacturer									
3064		43065	Common setting value start operation: System time zone	x	x	Same as common set/get.					Analog Value	
3065		43066	Common setting value start operation: DST support	x	x	Same as common set/get.					Analog Value	
3066		43067	Common setting value start operation: DST start month	x	x	Same as common set/get.					Analog Value	
3067		43068	Common setting value start operation: DST start week	x	x	Same as common set/get.					Analog Value	
3068		43069	Common setting value start operation: DST start day of the week	x	x	Same as common set/get.					Analog Value	
3069		43070	Common setting value start operation: DST start hour	x	x	Same as common set/get.					Analog Value	
3070		43071	Common setting value start operation: DST start minute	x	x	Same as common set/get.					Analog Value	
3071		43072	Common setting value start operation: DST end month	x	x	Same as common set/get.					Analog Value	
3072		43073	Common setting value start operation: DST end week	x	x	Same as common set/get.					Analog Value	
3073		43074	Common setting value start operation: DST end day of the week	x	x	Same as common set/get.					Analog Value	
3074		43075	Common setting value start operation: DST end hour	x	x	Same as common set/get.					Analog Value	
3075		43076	Common setting value start operation: DST end minute	x	x	Same as common set/get.					Analog Value	
3076		43077	Common setting value start operation: DST offset	x	x	Same as common set/get.					Analog Value	
3077		43078	Common setting value start operation: DST base time	x	x	Same as common set/get.					Analog Value	
3078		43079	Common setting value start operation: Time sync (use IRIG-B)	x	x	Same as common set/get.					Analog Value	
3079		43080	Common setting value start operation: IRIG-B type	x	x	Same as common set/get.					Analog Value	
3080		43081	Common setting value start operation: IEEE-1344 extension setting	x	x	Same as common set/get.					Analog Value	
3081		43082	Common setting value start operation: IRIG time zone	x	x	Same as common set/get.					Analog Value	
3082		43083	For exclusive use of manufacturer									
3083		43084	For exclusive use of manufacturer									
3084		43085	For exclusive use of manufacturer									
3085		43086	For exclusive use of manufacturer									
3086		43087	For exclusive use of manufacturer									
3087		43088	For exclusive use of manufacturer									
3088		43089	For exclusive use of manufacturer									
3089		43090	For exclusive use of manufacturer									
3090		43091	For exclusive use of manufacturer									
3091		43092	For exclusive use of manufacturer									
3092		43093	For exclusive use of manufacturer									
3093		43094	For exclusive use of manufacturer									
3094		43095	For exclusive use of manufacturer									
3095		43096	For exclusive use of manufacturer									
3096		43097	For exclusive use of manufacturer									
3097		43098	For exclusive use of manufacturer									
3098		43099	For exclusive use of manufacturer									
3099		43100	For exclusive use of manufacturer									
3100		43101	For exclusive use of manufacturer									
3101		43102	For exclusive use of manufacturer									
3102		43103	For exclusive use of manufacturer									
3103		43104	For exclusive use of manufacturer									
3104		43105	For exclusive use of manufacturer									

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
3105	16　3	43106	For exclusive use of manufacturer									With a "Setting value" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data.
3106		43107	For exclusive use of manufacturer									
3107		43108	For exclusive use of manufacturer									
3108		43109	For exclusive use of manufacturer									
3109		43110	For exclusive use of manufacturer									
3110		43111	For exclusive use of manufacturer									
3111		43112	For exclusive use of manufacturer									
3112		43113	Common setting value start operation: L/R setting	x	x		Same as common set/get.				Analog Value	
3113		43114	Common setting value start operation: Use interlock setting	x	x		Same as common set/get.				Analog Value	
3114		43115	Common setting value start operation: OPEN block setting	x	x		Same as common set/get.				Analog Value	On MODBUS: • Start address = 43001+1*i • Number of access points = 1*j • i+j<=255 (i=0 to 254, j=1 to 255)
3115		43116	Common setting value start operation: CLOSE block setting	x	x		Same as common set/get.				Analog Value	
3116		43117	Common setting value start operation: Control wait time	x	x		Same as common set/get.				Analog Value	
3117		43118	For exclusive use of manufacturer									
3118		43119	For exclusive use of manufacturer									
3119		43120	For exclusive use of manufacturer									
3120		43121	For exclusive use of manufacturer									→ When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS.
3121		43122	For exclusive use of manufacturer									
3122		43123	For exclusive use of manufacturer									
3123		43124	For exclusive use of manufacturer									
3124		43125	For exclusive use of manufacturer									If out of range or out of step, the slave will respond with an error status with the 39809 completion check.
3125		43126	For exclusive use of manufacturer									
3126		43127	Common setting value start operation: Forced DO control setting	x	x		Same as common set/get.				Analog Value	
3127		43128	For exclusive use of manufacturer									
3128		43129	For exclusive use of manufacturer									
3129		43130	For exclusive use of manufacturer									When start operation for a setting value is received, the slave will respond (MODBUS send) with 05 ACKNOWLEDGE.
3130		43131	For exclusive use of manufacturer									
3131		43132	For exclusive use of manufacturer									
3132		43133	For exclusive use of manufacturer									
3133		43134	For exclusive use of manufacturer									
3134		43135	For exclusive use of manufacturer									• When any kind of data is received in a reserved area, the slave will notify the master of the error with the check common setting value data writing processing.
3135		43136	For exclusive use of manufacturer									
3136		43137	For exclusive use of manufacturer									
3137		43138	For exclusive use of manufacturer									
3138		43139	For exclusive use of manufacturer									
3139		43140	For exclusive use of manufacturer									
3140		43141	For exclusive use of manufacturer									
3141		43142	For exclusive use of manufacturer									For exclusive use of manufacturer: Items that are applicable to the VFD and not applicable to Modbus in the items list are fixed as 0 when read. They also cannot be written.
3142		43143	For exclusive use of manufacturer									
3143		43144	For exclusive use of manufacturer									
3144		43145	For exclusive use of manufacturer									
3145		43146	For exclusive use of manufacturer									
3146		43147	For exclusive use of manufacturer									
3147		43148	For exclusive use of manufacturer									
3148		43149	For exclusive use of manufacturer									
3149		43150	For exclusive use of manufacturer									
3150		43151	For exclusive use of manufacturer									
3151		43152	For exclusive use of manufacturer									
3152		43153	For exclusive use of manufacturer									
3153		43154	For exclusive use of manufacturer									
3154		43155	For exclusive use of manufacturer									
3155		43156	For exclusive use of manufacturer									
3156		43157	For exclusive use of manufacturer									
3157		43158	For exclusive use of manufacturer									
3158		43159	For exclusive use of manufacturer									
3159		43160	For exclusive use of manufacturer									
3160		43161	For exclusive use of manufacturer									
3161		43162	For exclusive use of manufacturer									
3162		43163	For exclusive use of manufacturer									
3163		43164	For exclusive use of manufacturer									
3164		43165	For exclusive use of manufacturer									
3165		43166	For exclusive use of manufacturer									
3166		43167	For exclusive use of manufacturer									
3167		43168	For exclusive use of manufacturer									
3168		43169	For exclusive use of manufacturer									
3169		43170	For exclusive use of manufacturer									
3170		43171	For exclusive use of manufacturer									
3171		43172	For exclusive use of manufacturer									
3172		43173	For exclusive use of manufacturer									
3173		43174	For exclusive use of manufacturer									
3174		43175	For exclusive use of manufacturer									
3175		43176	For exclusive use of manufacturer									
3176		43177	For exclusive use of manufacturer									
3177		43178	For exclusive use of manufacturer									
3178		43179	For exclusive use of manufacturer									
3179		43180	For exclusive use of manufacturer									
3180		43181	For exclusive use of manufacturer									
3181		43182	For exclusive use of manufacturer									
3182		43183	For exclusive use of manufacturer									
3183		43184	For exclusive use of manufacturer									
3184		43185	For exclusive use of manufacturer									
3185		43186	For exclusive use of manufacturer									
3186		43187	For exclusive use of manufacturer									
3187		43188	For exclusive use of manufacturer									
3188		43189	For exclusive use of manufacturer									
3189		43190	For exclusive use of manufacturer									
3190		43191	For exclusive use of manufacturer									
3191		43192	For exclusive use of manufacturer									
3192		43193	For exclusive use of manufacturer									
3193		43194	For exclusive use of manufacturer									
3194		43195	For exclusive use of manufacturer									
3195		43196	For exclusive use of manufacturer									
3196		43197	For exclusive use of manufacturer									
3197		43198	For exclusive use of manufacturer									
3198		43199	For exclusive use of manufacturer									
3199		43200	For exclusive use of manufacturer									
3200		43201	For exclusive use of manufacturer									
3201		43202	For exclusive use of manufacturer									
3202		43203	For exclusive use of manufacturer									
3203		43204	For exclusive use of manufacturer									
3204		43205	For exclusive use of manufacturer									
3205		43206	For exclusive use of manufacturer									
3206		43207	For exclusive use of manufacturer									
3207		43208	For exclusive use of manufacturer									
3208		43209	For exclusive use of manufacturer									
3209		43210	For exclusive use of manufacturer									
3210		43211	For exclusive use of manufacturer									
3211		43212	For exclusive use of manufacturer									
3212		43213	For exclusive use of manufacturer									
3213		43214	For exclusive use of manufacturer									
3214		43215	For exclusive use of manufacturer									
3215		43216	For exclusive use of manufacturer									
3216		43217	For exclusive use of manufacturer									
3217		43218	For exclusive use of manufacturer									
3218		43219	For exclusive use of manufacturer									
3219		43220	For exclusive use of manufacturer									
3220		43221	For exclusive use of manufacturer									
3221		43222	For exclusive use of manufacturer									
3222		43223	For exclusive use of manufacturer									
3223		43224	For exclusive use of manufacturer									
3224		43225	For exclusive use of manufacturer									
3225		43226	For exclusive use of manufacturer									
3226		43227	For exclusive use of manufacturer									
3227		43228	For exclusive use of manufacturer									
3228		43229	For exclusive use of manufacturer									
3229		43230	For exclusive use of manufacturer									
3230		43231	For exclusive use of manufacturer									
3231		43232	For exclusive use of manufacturer									
3232		43233	For exclusive use of manufacturer									
3233		43234	For exclusive use of manufacturer									
3234		43235	For exclusive use of manufacturer									
3235		43236	For exclusive use of manufacturer									
3236		43237	For exclusive use of manufacturer									
3237		43238	For exclusive use of manufacturer									

Holding Register Map　　Address Range (40001 to 49999)

Serial No.	Function Code	Modbus Address (Register No.)	Description	Device Bit Status = 1	Device Bit Status = 0	Range (Min.) (Note 1)	Range (Max.) (Note 1)	Step	Engineering Unit	Scale (Note 2)	Signal Type	Remarks
3238	16 3	43239	For exclusive use of manufacturer									
3239		43240	For exclusive use of manufacturer									
3240		43241	For exclusive use of manufacturer									
3241		43242	For exclusive use of manufacturer									
3242		43243	For exclusive use of manufacturer									
3243		43244	For exclusive use of manufacturer									
3244		43245	For exclusive use of manufacturer									
3245		43246	For exclusive use of manufacturer									
3246		43247	For exclusive use of manufacturer									
3247		43248	For exclusive use of manufacturer									
3248		43249	For exclusive use of manufacturer									
3249		43250	For exclusive use of manufacturer									
3250		43251	For exclusive use of manufacturer									
3251		43252	For exclusive use of manufacturer									
3252		43253	For exclusive use of manufacturer									
3253		43254	For exclusive use of manufacturer									
3254		43255	For exclusive use of manufacturer									
4000	16 3	44001	Time settings: Relay time (BCD) year/month/day (H)	x	x	0x1970	0x2069	-	No Unit	0	Analog Value	With a "Current time" request from the master station as Function Code: 3, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 44001+1*i • Number of access points = 5 Fixed value. With a "Set setting value" request from the master station as Function Code: 16, the slave will respond with (MODBUS send) the response data. On MODBUS: • Start address = 44001+1*i • Number of access points = 4 Fixed value. → When an error occurs, the slave will respond with (MODBUS send) 02: ILLEGAL DATA ADDRESS. When there is a time data error, the slave will respond with (MODBUS send) 03: ILLEGAL DATA VALUE. (BCD information) 1970 to 2069 (BCD information) 1/1 to 12/31 (BCD information) 0:00 to 23:59 (BCD information) 0 to 59 seconds (L is reserved)
4001		44002	Time settings: Relay time (BCD) year/month/day (L)	x	x	0x0101	0x1231	-	No Unit	0	Analog Value	
4002		44003	Time settings: Relay time (BCD) hour/minute/second (H)	x	x	0x0000	0x2359	-	No Unit	0	Analog Value	
4003		44004	Time settings: Relay time (BCD) hour/minute/second (L)	x	x	0x0000	0x5900	-	No Unit	0	Analog Value	
4004		44005	Time type	x	x	1	4	-	No Unit	0	Analog Value	
4005	16 3	44006	(Reserved)									
4006		44007	(Reserved)									
4007		44008	(Reserved)									
4008		44009	(Reserved)									
4009		44010	(Reserved)									
4089		44090	(Reserved)									
4090		44091	(Reserved)									
4091		44092	(Reserved)									
4092		44093	(Reserved)									
4093		44094	(Reserved)									
4094		44095	(Reserved)									
4095		44096	(Reserved)									
4096		44097	(Reserved)									
4097		44098	(Reserved)									
4098		44099	(Reserved)									
4099		44100	(Reserved)									
4100	16 3	44101	Get trip data (trip header/model-specific data) phenomenon number (H)	x	x	0x00000000	0x3B9ACA00		No Unit		Analog Value	Get trip data (trip header/model-specific data/phenomenon number) request
4101		44102	Get trip data (trip header/model-specific data) phenomenon number (L)	x	x				No Unit		Analog Value	
4102		44103	Get trip data (trip header/model-specific data) block number	x	x	1	20		No Unit		Analog Value	Get trip data (trip header/model-specific data/block number) request
4103		44104	Get trip data (trip header/analog/digital data) phenomenon number (H)	x	x	0x00000000	0x3B9ACA00		No Unit		Analog Value	Get trip data (analog/digital data/phenomenon number) request
4104		44105	Get trip data (trip header/analog/digital data) phenomenon number (L)	x	x				No Unit		Analog Value	
4105		44106	Get trip data (analog/digital data) block number	x	x	1	20		No Unit		Analog Value	Get trip data (analog/digital data/block number) request
4106		44107	Same as above: Record number	x	x	0	Saved IT count-1		No Unit		Analog Value	Get trip data (analog/digital data/record number) request

(Note 1) The range (minimum) and range (maximum) of the setting value is a whole-number multiple of the actual setting value.
(Note 2) The scale of the setting value indicates the number of digits after the decimal point of the actual setting value.