

Before Using the Product

Before using the product, please read this manual. Make sure that the end users read this manual and then keep the manual in a safe place for future reference.

■ Relevant manuals

Before using the product, please read the Safety Guidelines included with the base unit used, especially the following sections.

- SAFETY PRECAUTIONS
- CONDITIONS OF USE FOR THE PRODUCT
- EMC AND LOW VOLTAGE DIRECTIVES
- WARRANTY

For the product information, refer to the following.

Description	Manual name [manual number]
Common information on MELSEC iQ-R series programmable controllers*1	MELSEC iQ-R Module Configuration Manual [SH-081262ENG]
Detailed information on the product	MELSEC iQ-R Channel Isolated Analog-Digital Converter Module (With Signal Conditioning Function) User's Manual (Startup) [SH-082298ENG]
	MELSEC iQ-R Channel Isolated Analog-Digital Converter Module (With Signal Conditioning Function) User's Manual (Application) [SH-082300ENG]

*1 The information includes the system configuration, specifications, installation, wiring, maintenance, and inspection.

Please develop familiarity with the functions and performance of the product to handle the product correctly.

■ Packing list

Check that the following items are included in the package of the product.

Item	Quantity
Module	1
Before Using the Product (this manual)	1

■ Signal layout of the connector for external devices

A1	□ □	B1
A2	□ □	B2
A3	□ □	B3
A4	□ □	B4
A5	□ □	B5
A6	□ □	B6
A7	□ □	B7
A8	□ □	B8
A9	□ □	B9
A10	□ □	B10
A11	□ □	B11
A12	□ □	B12
A13	□ □	B13
A14	□ □	B14
A15	□ □	B15
A16	□ □	B16
A17	□ □	B17
A18	□ □	B18
A19	□ □	B19
A20	□ □	B20

Viewed from the front of the module

Pin number	Signal name	Pin number	Signal name
A1	CH1 P	B1	CH1 I+/CHK+
A2	—	B2	CH1 I-/CHK-
A3	—	B3	—
A4	CH2 P	B4	CH2 I+/CHK+
A5	—	B5	CH2 I-/CHK-
A6	—	B6	—
A7	CH3 P	B7	CH3 I+/CHK+
A8	—	B8	CH3 I-/CHK-
A9	—	B9	—
A10	CH4 P	B10	CH4 I+/CHK+
A11	—	B11	CH4 I-/CHK-
A12	—	B12	—
A13	CH5 P	B13	CH5 I+/CHK+
A14	—	B14	CH5 I-/CHK-
A15	—	B15	—
A16	CH6 P	B16	CH6 I+/CHK+
A17	—	B17	CH6 I-/CHK-
A18	—	B18	—
A19	24VDC	B19	24VDC
A20	24GDC	B20	24GDC

■ Wiring products

The table below shows applicable 40-pin connectors. When wiring, use applicable wires and an appropriate tightening torque.

Mitsubishi Electric 40-pin connector		Wire			
Model	Tightening torque	Diameter	Type	Material	Temperature rating
A6CON1*1	0.20 to 0.29N·m	28 to 22 AWG	Stranded	Copper	75°C or more
A6CON2		28 to 24 AWG			
A6CON4*1		28 to 22 AWG			

*1 Select wires with a sheath outside diameter of 1.3mm or shorter when using 40 wires.
Select wires suitable to the current value used.

■ Mounting modules

When installing the programmable controller in a control panel, fully consider its operability, maintainability, and environmental resistance.

Securely mount all the MELSEC iQ-R series modules used on the base unit.

For details on the mounting method, refer to the MELSEC iQ-R Module Configuration Manual.

■ Operating ambient temperature

Use the product within the following range.

- 0 to 55°C (when an extended temperature range base unit is not used)
- 0 to 60°C (when an extended temperature range base unit is used)

■ Information and services

For further information and services, please consult your local Mitsubishi representative.