1. Specifications

1.1 General Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>1024 x 768</td>
</tr>
<tr>
<td>Brightness</td>
<td>500 cd/m²</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>Left/Right: 30 degrees, Top: 20 degrees, Bottom: 30 degrees</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>400 mm</td>
</tr>
<tr>
<td>Height</td>
<td>322 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>230 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td></td>
</tr>
<tr>
<td>Weight (Excluding Battery)</td>
<td>3.5 kg</td>
</tr>
<tr>
<td><strong>Operating Environment</strong></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>0°C to 40°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>85% or less (non-condensing)</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>DC 24V ±10%</td>
</tr>
<tr>
<td>Current</td>
<td>220mA or less</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1.1W (220mA/5VDC) or 1.2W (220mA/12VDC)</td>
</tr>
</tbody>
</table>

2. GOT Installation

2.1 Installation Location

The GOT can be installed in control panels or other spaces as long as the following conditions are met:

- Installation location: Inside control panel
- Communication wiring: Inside control panel

2.2 Environmental Conditions

The GOT must be installed in an environment where the equipment is not exposed to direct sunlight or temperature fluctuations that could cause condensation or electrical hazards.

3. GOT Operation

3.1 Operating Specifications

- Operating temperature: 0°C to 40°C
- Operating humidity: 85% or less (non-condensing)

3.2 Input/Output Specifications

- Input: 4-20mA, 0-10V, 0-10kHz, RS-232, TTL
- Output: 0-5V, 0-10V, 0-20mA, 0-5A, 0-20mA, RS-485, Relays

4. Battery Specifications

The GT10-C series uses lithium batteries for power backup and backup of data stored in the system. The recommended battery type for the GT10-C series is:

- GT10-C: R4-25P
- GT10-C3: R4-25P
- GT10-C4: R4-25P

5. Connectivity

5.1 Interface Type

- USB: A type, B type, C type
- RS-232: 1ch
- EtherCAT: 1ch
- CAN: 1ch

6. Compatibility

6.1 PLC Compatibility

- MELSEC-Q Series PLC
- MELSEC-Q Series PLC
- MELSEC-Q Series PLC

6.2 Special Software

- GT Designer3 Version 1
- GT Designer3 Version 2

7. Maintenance

7.1 Cleaning

- Clean the GOT with a soft dry cloth or a cloth dampened with water and mild detergent.

7.2 Battery Replacement

- Replace the lithium battery when the battery voltage drops below 1.8V.

8. Accessories

- GOT Mounting Bracket
- GOT Mounting Screw
- GOT Mounting Brackets (set of 4)
- GOT Mounting Screws (set of 4)

9. Troubleshooting

- Check the connection cables and ensure that they are properly connected.
- Check the power supply and ensure that it is stable.

10. Safety Precautions

- Handle the battery with care to avoid accidental discharges or shorts.
- Do not disassemble or modify the battery.

11. Troubleshooting

- Check the connection cables and ensure that they are properly connected.
- Check the power supply and ensure that it is stable.

12. Troubleshooting

- Check the connection cables and ensure that they are properly connected.
- Check the power supply and ensure that it is stable.

13. Troubleshooting

- Check the connection cables and ensure that they are properly connected.
- Check the power supply and ensure that it is stable.
GT10 General Description

This manual describes the instructions for the product. Before using this product, be sure to read this manual carefully. If you have any questions, please contact our service center. The company name and the product name to be described in this manual are the registered trademarks of the respective companies.

Safety Precautions

Before using the product, please read this manual and the relevant manuals introduced by the manufacturer. The precautions given in the manuals are consistent with this manual.

When using the product, please read this manual and the relevant manuals introduced by the manufacturer. Do not use or store the product under pressure higher than the atmospheric pressure. Do not use the product in an environment where it may be subject to high temperature, humidity, dust, or vibrations.

Do not disassemble or modify the product. Do not use the product in an environment where it may be subject to high temperature, humidity, dust, or vibrations.

Do not touch the conductive and electronic parts of the unit directly. Do not disassemble or modify the unit. Do not use the product in an environment where it may be subject to high temperature, humidity, dust, or vibrations.

Do not use the product as the warning device that may cause a serious accident. Do not use the product as the warning device that may cause a serious accident.

Make sure that the product is not damaged when using it. Do not use the product as the warning device that may cause a serious accident.

The product is designed for use in industrial applications. Do not use the product as the warning device that may cause a serious accident.

1. Specifications

1.1 General Specifications

- Touch panel type: LCD (Resistive touch panel)
- Screen size: 8.4" (WxH) 213 x 152 (mm)
- Number of keys: 50 keys/screen
- Maximum number of screens: 7 (Memory)
- Number of characters: 100 (in text mode)
- Power supply: 24V DC
- Input power: 100 to 240V AC

1.2 Performance Specifications

- CPU: 32-bit microprocessor
- Memory: 16MB (RAM), 1MB (ROM)
- Processor speed: 100MHz
- Display resolution: 640 x 480 pixels
- Display colors: 256 colors

1.3 Communication Specifications

- Communication interface: RS-232C, RS-485
- Communication protocol: MODBUS RTU
- Data rate: 9600 bps
- Communication distance: 1000 meters

2. Wiring of connection cable

The diagram below shows the connection cable configuration for GT10. The power supply wiring must be performed by a licensed electrician. For details on power supply wiring, such as the allowable cable size and tightening torque, refer to the additional manual, "GT10 User’s Manual".

3. Requirement for Compliance with EMC directive

This product is designed for use in industrial applications. It is not designed for use in domestic environments. This product is designed for use in industrial applications.

Note: This symbol is for China only.
GT1030-HDD(W)/HDD(W2/HDDL(W)
GT10 General Description

1. Specifications

1.1 General Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>0°C to 50°C (with ventilation)</td>
</tr>
<tr>
<td>Humidity</td>
<td>10% to 90% (non-condensation)</td>
</tr>
<tr>
<td>Vibration</td>
<td>Horizontal: 0.7G at 10 to 55Hz, Vertical: 0.7G at 10 to 55Hz, Shock: 40G, 11ms</td>
</tr>
<tr>
<td>Shock</td>
<td>40G, 1ms</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-25°C to 70°C</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC 100V to 240V, 50Hz/60Hz</td>
</tr>
</tbody>
</table>

2. Wiring of connection cable

- Connection type: D2
- Outdoor cable: GT10-C
- Connection type when adopting GOT multidrop connection:
  - D2: D2-MD10
  - D2: D2-MD15

3. Power Supply Specifications

- 24V DC power supply
- 5V DC power supply
- 12V DC power supply

4. Display

- Display size: W145(5.7) × H109.42(4.3) mm
- Screen size: 4.5" crystal display panel
- Backlight status (colors, ON/BLINK/OFF) control,
- 8-level adjustment
- Standard font: 48 characters
- Target Clock data, alarm history and recipe data
- Backup write times
- Function key: Up to 50 keys/screen
- Touch keys: Maximum 50 keys/screen
- Matrix resistive film touch panel

5. MOUNTING PRECAUTIONS

- Do not use or store the GOT under pressure higher than the atmospheric pressure.
- Do not disassemble or modify the unit.
- Do not use the GOT as the warning device that may cause a serious accident.
- When a protective cover for oil is mounted on the GOT, the maximum ambient temperature shall be 40°C.
- Do not use the GOT if the temperature exceeds 50°C.
- Do not use the GOT in the presence of flammable gas.
- Do not use the GOT in a humid environment.
- Do not use the GOT in a dusty environment.
- Do not use the GOT in a high vibration environment.
- Do not use the GOT in a high acceleration environment.

6. BUNDLED ITEMS

- Manual Number JY997D25301U
- Bundled Items
  - GOT1000 Series GT10:
    - GOT PLC
    - Engine:
      - GT10-C           R4-8P
    - GOT1030-H:
      - D2
      - GT10-C
    - GT1030-HBLW/HWLW
    - GT1030-HBDW/HWDW

7. Compliance with EM directive

- The GOT has been designed and manufactured to comply with the European Community's (EC) Directive on Electromagnetic Compatibility (2004/108/EC) and the Low Voltage Directive (2006/95/EC).
- The GOT has been designed and manufactured to comply with the EMC standard (EN55011:2007, EN55020:2007, EN55024:2010, EN55027:2007) and the Low Voltage standard (EN61000-6-2:2005, EN61000-6-4:2005, EN61000-6-1:2005).
- The GOT has been designed and manufactured to comply with the IEC62368-1:2014 standard.

8. For details of a PL-C, refer to the PL-C user's manual respectively.

9. Associated Manuals

- This manual is a supplement to the user's manual of the GOT1000 series, which is included with the product.
- For details of a PL-C, refer to the PL-C user's manual respectively.

10. Legal responsibility

- MITSUBISHI ELECTRIC CORPORATION assumes no responsibility for any damage or loss resulting from the use of this product, regardless of the cause.

11. Symbol meaning

- ©: This symbol is for China only.

12. Notes on the product

- The product has been manufactured as a general purpose product for general users, and it has not been designed for or intended to be used in applications requiring exceptionally high reliability or safety, such as medical equipment, industrial safety equipment, installations for air navigation, space vehicles, nuclear power control equipment, nuclear power plants, etc.

13. User-supplied parts

- The user must supply the following components: power supply, communication cable, and connecting cable.

14. For safe use

- This product has been manufactured so that there is no direct current (DC) power supply and no AC power supply.

15. Maintenance and diagnosis

- The user must conduct all inspection and maintenance of the GOT.

16. Manual Number

- The manual number is JY997D25301U.