These precautions apply only to Mitsubishi equipment. Refer to the user's manual for the module properly.

**Notes:**

1. During transportation avoid any impact as the module is a precision instrument. Doing so could cause malfunction or trouble.
2. The product is designed for use in industrial applications.
3. Standards with which this product complies:
   - Type 1 (Programmable Controller) - Remote I/O module
   - EN61000-6-4:2001

**1. Outline of Product**

This product is a terminal block type composite I/O module connected to CC-Link/LT. The module has two output points (sink output).

**2. Name and Setting of Each Port and Terminal Arrangement**

**3. Installation to DIN rail**

Aligns upper DIN terminal on the module with the DIN rail, and then lower the module to DIN rail securely by aligning the DIN rail to the clip. Tighten the mounting screws at the points of 20N.m (200kgf·cm) or less.

**4. 2. Direct Installation**

Attach the terminal block to the upper and lower mounting post holes (Diesel) and firmly press it all around the module. Tighten the mounting screws at the points of 20N.m (200kgf·cm) or less.

**5. 3. Installation procedures as described below.**

- When using a three-wire type sensor
  - When using three-wire type sensor: Connected to DC 24V terminal
  - When using three-wire type sensor (when using the power supply for sensor other than 24V DC)

**6. Crimp-style terminal**

For wiring, use crimp-style terminals of the following dimensions.

- **Dimensions of crimp terminals:**
  - 2.2x0.7 (2.88x0.52) mm
  - 2.0x0.5 mm
  - 1.6x0.36 mm

**6. Outside Dimensions**

**7. Specifications**

<table>
<thead>
<tr>
<th><strong>Item</strong></th>
<th><strong>Specification</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>-20°C to 50°C (ambient temperature)</td>
</tr>
<tr>
<td><strong>Relative humidity</strong></td>
<td>90% or less (non-condensing)</td>
</tr>
<tr>
<td><strong>Supply voltage range</strong></td>
<td>20.4 to 28.8V DC (24V DC -15% to +20%)</td>
</tr>
<tr>
<td><strong>Power dissipation</strong></td>
<td>1.7mA or less.</td>
</tr>
<tr>
<td><strong>Fast transient burst</strong></td>
<td>100% (at 24V DC)</td>
</tr>
<tr>
<td><strong>Vibration</strong></td>
<td>1.25-3 and TG1.25-3 (manufactured by JST Mfg. Co., Ltd.)</td>
</tr>
<tr>
<td><strong>Shock resistance</strong></td>
<td>RAV1.25-3 (manufactured by JST Mfg. Co., Ltd.)</td>
</tr>
<tr>
<td><strong>Input impedance</strong></td>
<td>6.2 mm (0.24&quot;)</td>
</tr>
<tr>
<td><strong>Power capacity W of the bleeder resistor R</strong></td>
<td>For safe use in industrial applications.</td>
</tr>
</tbody>
</table>

**8. Contact information**

For more information or service, contact your local Mitsubishi representative.
1. Outline of Product
This product is a terminal block type composite I/O module connected to DC 24V module in the right of the CPU module to use for a description of the PLC system safety

2. Direct installation
• Do not perform wiring to an idle terminal "NC" outside the product.
• When intermittent vibration is present Number of vibration's a vibration waveform 1.0ms or less
• Before using the product for special purposes such as nuclear power, electric power, and industries, and has not been designed or manufactured to be incorporated in a

3. Module terminal screw
 Tighten the terminal screws (6) on the terminal block with a tightening torque of 0.6 to 0.9N·m (0.6kgf·cm to 0.9kgf·cm). Exceeding the specified tightening torque may cause module failure or malfunction. For details, refer to 4.2.4 tightening torque range (0.6 to 0.9N·m)

4.4 Module terminal screw
When removing the module, pull the hook downward for installation to DIN rail or directly installing using the status 2).

4.5 Settings and terminals
Please check the user manual of the CPU module to use for a description of the PLC system safety

1.7mA or less.

5. Specifications
5.1 General specifications
- When using a three-wire type terminal
- In the event of an authorized agent, the user in the country shall be responsible for the product made by Mitsubishi; however, Mitsubishi shall not be liable for any damage caused by the user.

6. Outside Dimensions
- The terminals must be rated for the specified voltage and current. The voltage and current ratings of the terminals are as follows:
- Input voltage range: DC 24V
- Output voltage range: DC 12V (sink)
1. Outline of Product
This product is a terminal block type composite I/O module connected to CC-Link/LT field network. It has four input points (voltage input) and four output points (transistor output).

1.1 Classification
- Input points: 2 points/1 common (2 points)
- Output points: 2 points

1.2 Specifications
- Applicable wire size: 0.3 to 1.25 mm²
- Operating voltage: DC24V ±10%
- Nominal current: 20.4 to 28.8 VDC (24 VDC -15% to +20%)
- Response: 1.5 ms or less (at 24 VDC)
- Ripple ratio: Within 5%
- Surge suppression: 10 MΩ (by noise simulator)
- Frequency range: 0.075 mm
- Operating temperature: 0 to 55°C
- Operating ambient: 147 m/s², 3 times in each of X, Y and Z directions
- Input point: Subject to the terminal resistor setting, 1.7 mA or less
- Off voltage: 11 V or less
- Off current: 1.7 mA or less
- OPERATING AMBIENCE: 147 m/s², 3 times in each of X, Y and Z directions

1.3 Installation to DIN rail
Align the upper DIN rail slot holes and the lower DIN rail slot holes of the module with those of the terminal block and tighten the screws. Turn the module so that the contact pin points in the direction shown in the diagram. Insert it into the DIN rail. Tighten the screws at the front of the module at the points of 20 N·m (0.78 lb·ft) or less.

2. Direct Installation
Perform the direct installation using two screws of M4 (tapping screw; 0.78 to 1.08 N·m (0.71 to 0.95 lb·ft)) for the upper and lower screws in the terminal block. The slot holes are aligned as shown in the lower photo. The screws are tightened in two stages, first to 0.78 N·m and then to 1.08 N·m (0.71 to 0.95 lb·ft). Tighten the screws at the rear of the module at the points of 1.96 N·m (1.43 lb·ft) or less.

3. Safety Precautions
4. Connection to sensor
5. Specifications
6. Outside Dimensions

Note: This manual is for China only.

Mitsubishi Electric Europe B.V.

Note: This product has not been manufactured to comply with the requirements of 2014/35/EU (RoHS Directive) and 2011/65/EU (Recast RoHS Directive).

Note: This product has been manufactured in a general purpose workshop for general industrial equipment, without the use of a clean room or system that is purposed for the production of pharmaceutical products, etc.