**Insulation Monitoring Module**

**Mitsubishi**

**Programmable Controller**

**MELSER**

**Insulation Monitoring Module**

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**User's Manual (Hardware)**

Before using the module, please read both this manual and Details carefully and pay full attention to handling this module correctly.

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**Terminal and usage**

- The installation and usage makes this the power source to pull out and inside of the module. If not, the module's internal current or electric shock to produce a damage.

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**Check the stripping length using the strip gauge of this module.**

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**COMPLIANCE WITH THE EMC AND LOW VOLTAGE DIRECTIVES**

- The CE mark, indicating compliance with the EMC and Low Voltage Directives, is printed on the rating plate of the module. Please use this module in combination with the Mitsubishi programmable controller (EMC and Low Voltage Directives compliant) into other machinery or equipment, which also have CE mark.

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**3. Safety Precautions**

**3.1 Legal Precautions**

- Do not use this product in the places listed below. Failure to follow the instruction may cause malfunctions and a life accident.
  - Places where the Ambient temperature exceeds the range 0 – 55ºC.
  - Locations where the moisture content is high, or where there is a lot of dust and debris.
  - Locations with vibrations or shocks.
  - Locations where the humidity is high.
  - Locations where there are frequent electrical disturbances (storms, etc.).

**3.2 Matters concerning the preparation before use**

- This insulation monitoring module (CH1, CH2) is designed to monitor the insulation resistance of the voltage and current input terminals of the module. Use it with a tester (test equipment) for monitoring the insulation resistance of the module.

**3.3 How to connect wires**

- **1. How to connect to the base unit**
  - Always refer to the base unit's manual for detailed information.
  - Before connecting the module, please check the terminal assignment and the connection method of the module and the base unit.
  - Use the programmable controller in an environment that meets the general specifications in the User's Manual (Details) of this module.

**6. How to wire**

**6.1 How to wire**

- For external connection to CH1/CH2, follow the phase method and the connection diagram.

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**6.4 Names and functions of LEDs**

- The following are the names and functions of LEDs in the CH1/CH2 module.

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**4.1 Names and functions of parts of CH1/CH2 are provided here.**

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**Operational Precautions**

- When disposing of this module, treat it as industrial waste.

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**Hardware**

- This enables to measure two circuits, using one device.

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**Note**

- This module and the zero-phase current transformer (ZCT) are used for less than 600V circuit only.

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**Caution**

- Use it with a tester (test equipment) for monitoring the insulation resistance of the module.