Energy Measuring Module

Model QE81WH

Mitsubishi Programmable Controller

User’s Manual (Hardware)

Before using this module, please read the manual and operate carefully and pay full attention to safety to handle the module and use it correctly. Make sure that the end user read this manual and then keep the manual in a safe place for future reference.

Hardware

4.1 Names and functions of parts of QE81WH are provided below.

<table>
<thead>
<tr>
<th>Names of parts</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal</td>
<td>For input/output signal connection</td>
</tr>
<tr>
<td>Terminal</td>
<td>For power supply connection</td>
</tr>
<tr>
<td>Terminal</td>
<td>For communication connection</td>
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</tbody>
</table>

3.5 Disposal Precautions

This feature enables to acquire the electric energy needed during device operation or energy per tact.

For the compliance of this module with the EMC and Low Voltage Directives, refer to Section 6.1 Wiring.

Caution

Do not disassemble or modify the module. It may cause failure, malfunction, injury or fire.

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

Vibration and impact exceed the specifications.

module.

module.

Do not directly touch any conductive part of the module. Doing so can cause malfunction or failure.

For the compliance of this module with the EMC and Low Voltage Directives, refer to Section 6.2 Wiring.

Precautions for Operating Environment and Condition

In order to prevent the module from becoming foreign objects during wiring such as dust or water, use nylons or plastic caps. Inserting the module into the module-included protective plate is not allowed and the system in use, module itself into the module.

Do not directly touch the module or the wire.

Use appropriate electric wires as described below.

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Protrusion for fixing

Precautions for Connecting Wires

The dedicated current sensor (EMU-CT50/CT100/CT250/CT400/CT600) is used only for low voltage circuit. It cannot be used with a high voltage circuit. Also, EMU2-CT5 should be used with the current transformer (CT), and the primary-side current is configurable up to 5A.

When using this product, make sure to use it in combination with current sensor (EMU-CT series or EMU2-CT). See the User’s Manual (Details) of this unit, and the installation method and the detailed specifications of the current sensor.

Factory-wiring-screw (penned by user) M2 x 10mm

Fixing-Module screw (arranged by user): M3 x 12mm

When using this product, make sure to use it in combination with current sensor (EMU-CT series or EMU2-CT). See the User’s Manual (Details) of this unit, and the installation method and the detailed specifications of the current sensor.

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