

mitsubishi

MELSECNET/H

Network Module

User's Manual
(Hardware)

QJ71NT11B

Thank you for purchasing the Mitsubishi programmable controller
MELSEC-Q Series.

Prior to use, please read both this manual and detailed manual
thoroughly and familiarize yourself with the product.

MELSEC-Q
Mitsubishi Programmable
Controller

MODEL	QJ71NT11B-U-HW
MODEL CODE	13JY93
IB(NA)-0800440-A(0810)MEE	

● SAFETY PRECAUTIONS ●

(Always read these instructions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

Precautionary notes in this manual cover only the installations of this product.

For precautions on designing and discarding this product, refer to "Safety Precautions" in the MELSECNET/H Reference Manual.

For the safety instructions of the programmable controller system, please read the CPU module user's manual.


In this manual, the safety instructions are ranked as "DANGER" and "CAUTION".



Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.



Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Note that the  **CAUTION** level may lead to a serious consequence according to the circumstances.

Always follow the instructions of both levels because they are important to personal safety.

Please save this manual to make it accessible when required and always forward it to the end user.

[Installation Precautions]

CAUTION

- Use the programmable controller in the operating environment that meets the general specifications given in the user's manual of the CPU module. Using this programmable controller in an environment outside the range of the general specifications could result in electric shock, fire, erroneous operation, and damage to or deterioration of the product.
- While pressing the installation lever located at the bottom of module, insert the module fixing tab into the fixing hole in the base unit until it stops. Then, securely mount the module with the fixing hole as a supporting point. Incorrect loading of the module can cause a malfunction, failure or drop. When using the programmable controller in the environment of much vibration, tighten the module with a screw. Tighten the screw in the specified torque range. Undertightening can cause a drop, short circuit or malfunction. Overtightening can cause a drop, short circuit or malfunction due to damage to the screw or module.
- Completely turn off the externally supplied power used in the system before mounting or removing the module. Not doing so could result in damage to the product.
- Do not directly touch the module's conductive parts or electronic components. Touching the conductive parts could cause an operation failure or give damage to the module.
- Completely turn off the externally supplied power used in the system when installing or placing wiring. Failure to do so may cause malfunction or failure of the module.

[Wiring Precautions]

DANGER

- Completely turn off the externally supplied power used in the system when installing or placing wiring.
Failure to do so may cause electric shocks or damage the product.

CAUTION

- Always connect the FG terminals to the ground using class D (class 3) or higher grounding exclusively designed for programmable controller.
Failure to do so may cause malfunctions.
- When connecting cables to the terminal block for external power supply, check the rated voltage and terminal layout of the product for correct wiring. Connecting a power supply that is different from the rating or incorrectly wiring the product could result in fire or damage.
- Tighten the terminal screws with the specified torque.
If the terminal screws are loose, it could result in short circuits, fire, or erroneous operation.
- Solder coaxial cable connectors properly. Incomplete soldering may result in malfunctioning.
- Be sure there are no foreign substances such as sawdust or wiring debris inside the module.
Such debris could cause fires, damage, or erroneous operation.
- The module has an ingress prevention label on its top to prevent foreign matter, such as wire offcuts, from entering the module during wiring.
Do not peel this label during wiring.
Before starting system operation, be sure to peel this label because of heat dissipation.
- Make sure to place the communication and power cables into a duct or fasten them using a clamp. Failure to do so may damage the module or cables by pulling a dangling cable inadvertently or cause the module to malfunction due to bad connection.
- When disconnecting the communication and power cables from the module, do not pull a cable part by hand.
When disconnecting a cable with a connector, hold the connector connected to the module by hand and pull it out to remove the cable. When disconnecting a cable connected to a terminal block, loosen the screws on the terminal block first before removing the cable. If a cable is pulled while being connected to the module, it may cause the module to malfunction or damage the module and cables.

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