

[Issue No.] FA-A-0044

[Page] 1/2

[Title] Precautions when using QA6ADP together with A series AC input module

[Date of Issue] Aug., '08

[Relevant Models] QA6ADP

Thank you for your continued support of Mitsubishi programmable controllers, MELSEC-Q/A series.

This technical bulletin provides precautions when using the programmable controller system together with the QA6ADP QA conversion adapter modules and A series AC input modules (AX10, AX11, AX11EU, AX20, AX21, and AX21EU).

1. Precautions

When connecting the A series extension base unit to the Q series main base unit and mounting the A series AC input module to the A series extension base unit, an A series power supply module (A6□P) is required in the system.

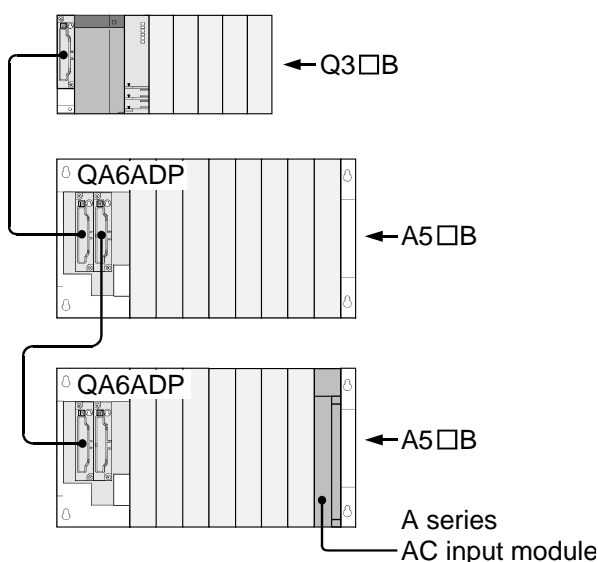
If an A series power supply module is not mounted, the CPU module may recognize an off status by mistake which should be an on status of an input signal received from the A series AC input module.*1

*1: The false recognition may occur when the AC voltage gradually decreases to lower than the guaranteed value or the AC voltage value under the guaranteed one remains the same. The false recognition does not occur when the AC power supply is turned off as usual.

[Example of relevant system configuration]

The following example shows the programmable controller system configuration that may recognize the false input status.

- The system does not have an A series power supply module (A6□P).
(The system has only Q series power supply modules (Q6□P).)
- The system has A series AC input modules.



[Issue No.] FA-A-0044

[Page] 2/2

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2. Measures against false recognition

When using an A series AC input module in the system, mount an A series power supply module as follows:

- 1) Replace the A series extension base unit (type requiring no power supply module)(A5□B) installed the QA6ADP with the A6□B type extension base unit, and then mount the A series power module.
- 2) Replace the A series extension base unit (type requiring no power supply module)(A5□B) and the QA6ADP with the QA6□B type extension base unit, and then mount the A series power module.

