

TECHNICAL BULLETIN

[Issue No.] T40-0008

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[Title] Precautions regarding battery alarm detection of MELSEC-Q series memory card

[Date of Issue] Jan., '07

[Relevant Models] Q2MEM-1MBS, Q2MEM-2MBS

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

This bulletin provides precautions with regard to battery error detection of a SRAM card for the MELSEC-Q series at the time of removing the battery.

1. Precautions

A battery error may not be detected even when removing a battery from a SRAM card.

This is due to partial change that was made to the internal circuit with a view to stabilizing the battery voltage in a state of installing the battery into the SRAM card.

There is no problem in normal use, since a battery error can be detected normally if the battery comes to the end of its life when it is installed in the SRAM card.

Using the SRAM card with paying attention to the following matters is greatly appreciated.

- (1) Although a battery error may not be detected even when removing a battery from a SRAM card, data in the SRAM card may disappear if the programmable controller is turned OFF when the battery has been removed from the SRAM card.
- (2) Execute any one of the following operations when it is necessary to generate a battery error on purpose to perform a test at the time of debugging systems.
 - 1) Reset the CPU after removing a battery from the SRAM card.
 - 2) Remove the battery from the SRAM card and install the spent battery which has 2.5V or lower.
 - 3) Remove the battery (Q6BAT) of the CPU module.

Note that an error which occurs to the CPU module is different from a battery error of the SRAM card in the error code and bit position detected in SD51 or SD52.

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2. Relevant Models

The following shows the relevant models of the SRAM card.

The Q2MEM-1MBS whose manufacturer control number is "D" or later

The Q2MEM-2MBS whose manufacturer control number is "C" or later

Table 1 List of relevant models

Model	Time	Manufacturer control number*1
Q2MEM-1MBS	Manufactured since Dec., 2005	"□□D□" ↑ D or later
Q2MEM-2MBS	Manufactured since Dec., 2005	"□□C□" ↑ C or later

*1: How to check the manufacturer control number

The manufacturer control number can be checked by the number (the 3rd digit from the left) marked on the SRAM card back label.

The manufacturer control number is displayed on the top right or bottom right of the SRAM card back label.

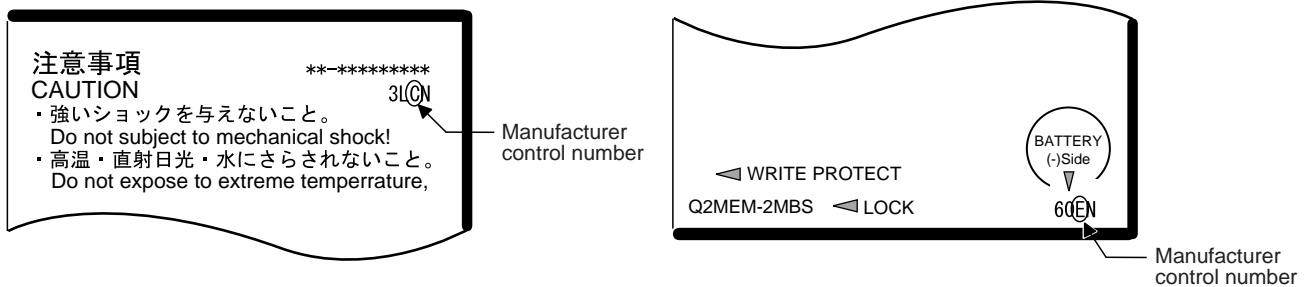


Figure 1 SRAM card back label