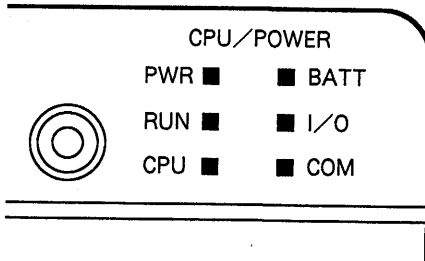


10. Maintenance

10-1. Status display of module

(1) CPU module



- PWR (green) : This will be lit when the power source is turned on.
- RUN (green) : This will be lit when the CPU is under the RUN status.
- CPU (red) : This will be lit when the CPU is under the abnormal status.
- BATT (orange) : This will be lit when the voltage of the battery for CPU backup or built in the memory cartridge is dropped.

I/O (orange) : This will be lit when the abnormal status is found on the I/O module or I/O bus.

COM (orange) : For SU-5 this will be lit when the abnormal status is found on the programmer and communications.

For SU-6 this will be lit when the abnormal status is found of communications if host link, PLC link, and general purpose port, and for communicating with the programmer.

● When BATT LED is flickering (SU-6)

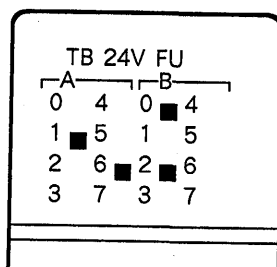
It is possible to classify the cause of flickering BATT LED by the cycle of flickering if this is caused by the voltage dropping of CPU backup battery or built-in memory cartridge battery.

Flickering in a cycle of 0.5 sec : Voltage dropping of built-in battery of memory cartridge.

Flickering in a cycle of 2 sec : Voltage dropping of CPU backup battery
The BATT LED will be lit in continuation when the battery voltage of SU-5 drops down.

(2) I/O module

- Input/output status display of I/O module : When the numbers from I0 to I17 shown in the left, the status indicators will be divided into two groups such as A and B.



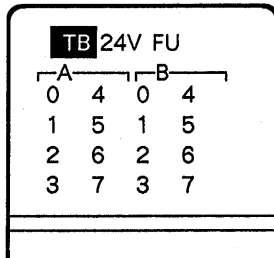
Status indicators of A are for I0 to I7.

Status indicators of B are for I10 to I17.

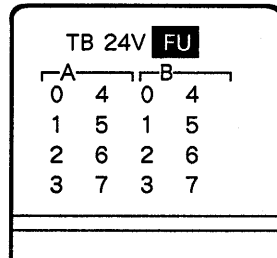
● Self-diagnostic display

This is used for detecting conditions such as disconnected I/O terminal block, blown fuse, and voltage dropping of external 24 V power supply.

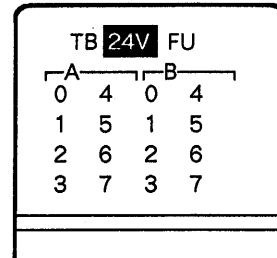
① Detection of disconnected terminal block (TB)



② Detection of blown fuse (FU)



③ Detection of voltage dropping of external 24 V power supply (24V)



10-2. Replacing a built-in battery

To prevent the program from being erased while the PLC is powered OFF, the CPU and memory cartridge (G-03M) are backed up by a lithium battery. It is expected that the battery is good for about three years under the normal condition. The battery should be replaced with a new one as soon as the life of battery expires.

1) CPU module

The battery should be replaced with a new one within a week when the BATT LED on the CPU module starts flickering in a cycle of 2 sec or is lit in continuation.

How to replace a battery / Battery model number : RB-5

① Turn off the power source.

Remove the front cover of CPU module (fig.1).

② Remove the battery from the holder (fig.2).

The battery is installed in the center of the module.

③ The battery is connected with the lead wires which are connected with the module through the connector (fig.3).