

## Q7BATN-SET Battery Instruction Manual

This instruction manual describes specifications and handling instructions of the Q7BATN-SET.

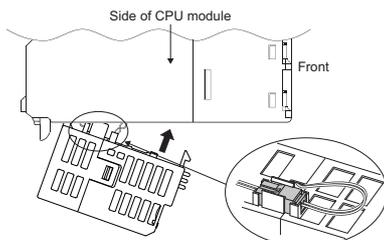
### ■ Specifications

| Item            | Specifications   |        |
|-----------------|--|--------|
| Battery type    | Manganese dioxide lithium primary battery  |        |
| Initial voltage | 3.0V   |        |
| Nominal current | 6000mAh  |        |
| Storage life    | Approximately 5 years  |        |
| Application     | Backup power for data (the device/label data and clock data for which a latch is enabled) during power failure <sup>*1</sup> |        |
| Dimensions      | Height   | 34.0mm |
|                 | Width  | 27.4mm |
|                 | Depth  | 60mm   |

\*1 For the backup power time, refer to the user's manual for the CPU module used.

### ■ Installation procedure

Follow the procedure below to install the Q7BATN-SET in the CPU module.

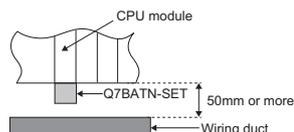


- Open the battery cover located on the bottom of the CPU module.
- Disconnect the connector plug of the Q6BAT from the jack of the CPU module. When disconnecting the connector, hold the connector part so that the cables are not damaged.
- Remove the Q6BAT and cover from the CPU module.
- Connect the Q7BATN-SET to the battery connector of the CPU module and set it into the connector stopper of the battery holder.
- Attach the Q7BATN-SET to the CPU module.\*1

\*1 When attaching the Q7BATN-SET to the CPU module, ensure that the battery cable is not caught between them.

### ■ Installation precautions

Keep a distance of 50mm or more between the bottom of the CPU module and other structure such as a wiring duct.



### ■ Battery Replacement

When the Q7BATN comes to the end of the life, replace the battery in the battery holder. Keep the programmable controller on for ten minutes or longer before removing the battery from the CPU module.

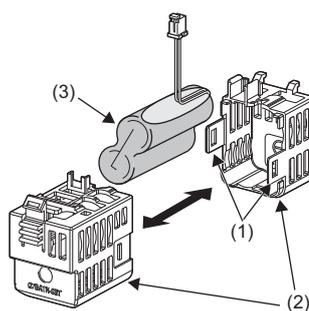
Replace the battery within three minutes. If not, the data in the memory may be lost, although a capacitor backs up the memory for a while after the battery is removed.

When the programmable controller is used as a UL-certificated product, the Q7BATN battery replacement must be done by service personnel.

The service personnel are defined as experienced technicians who have been sufficiently educated and trained, and are capable of perceiving and avoiding operational hazard.

### ■ Replacement procedure

Follow the procedure below to replace the Q7BATN.



- Remove the battery holder from the CPU module.
- Disconnect the connector plug of the Q7BATN from the jack of the CPU module. When disconnecting the connector, hold the connector part so that the cables are not damaged.
- Disengage the latches (1) on both sides of the battery holder to disassemble the holder into two (2), and remove the Q7BATN (3).
- Insert the new Q7BATN into the holder in the correct orientation, checking the positive/negative terminal markings. (Insert the battery at a slight angle as shown in the figure.) Reassemble the holder so that the battery cable comes out of the hole in the holder connection. (Push the holder parts in until they click.)

### ■ Disposal of batteries

When disposing batteries, separate them from other wastes according to the local regulations. (For details on the battery directive in EU member states, refer to the user's manual for the CPU module used.)

### ■ Transportation precautions

As they include lithium, the Q7BATN-SET and Q7BATN must be treated as Class 9 dangerous goods during transportation. Prior to shipment, Mitsubishi Electric packs products properly in order to ensure safety. However, when transporting the products, which are unpacked once or repacked after purchase, make sure to observe the dangerous goods regulations of the country as well as IATA Dangerous Goods Regulations and IMDG code. For details, please consult the shipping carrier used.