

## Data Manager - Real Time Clock (RTC) battery type: - CR2032

The battery should only be replaced at the recommendation of RDM Technical Support. The RTC battery can only be replaced onsite in Issue 6 or above Data Managers, older variants have to be returned to RDM as the battery is soldered to the PCB and cannot be replaced. The RDM information label which is affixed to each Data Manager denotes the issue number for the unit.

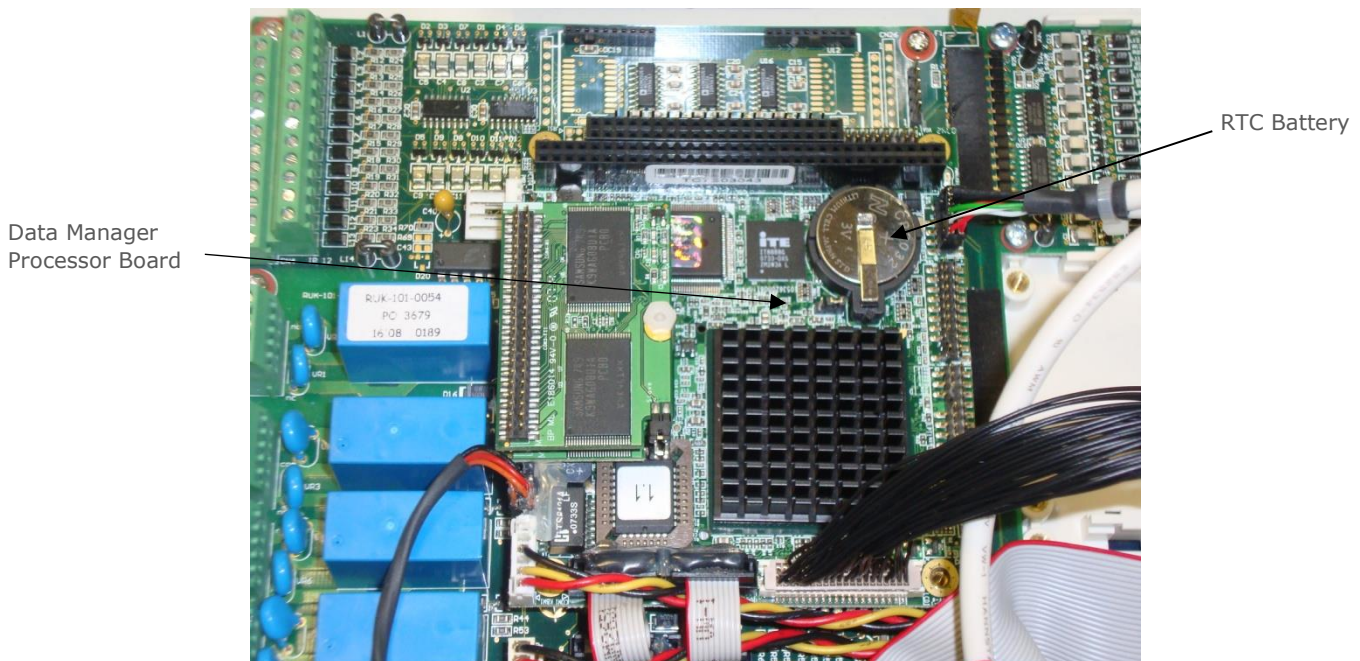
*Before working on this equipment, ensure that the device is fully isolated from any supply voltage, including connections to all relays and other I/O connectors. Installation of this part must be carried out by competent personnel.*

*RDM will not be held responsible for any damage incurred to the equipment through mishandling or faulty installation of this part.*

## Instructions

- 1) Remove the left and right side wings by unscrewing the two screws at the top and bottom of each wing.
- 2) Please contact RDM technical support regarding the tamper proof label, which covers the front assembly securing screw on the right hand side, quoting the Data Manager RDMSO number. This will allow RDM to update the appropriate database to confirm that permission has been given to work on the Data Manager, failure to do so may invalidate the Data Manager warranty. Note earlier units may not have a tamper proof label fitted.
- 3) Remove the front assembly securing screw (above the I/O board).
- 4) Carefully remove the front assembly by pressing in the retaining legs at the top and bottom, on the left and right hand side of the Data Manager, to release their clip action. Once the front assembly is free from the main housing care must be taken not to over extend the cables attached to it. The front assembly must be positioned such that the central part of the main printed circuit board can be accessed without the connectors to the main front panel assembly being pulled out or strained.

Below is an image of a Data Manager with its front assembly removed. Please see the highlighted components.



- 5) Insert a screwdriver under the metal retaining arm on top of the RTC battery and carefully slide the battery out.



Please ensure all power is switched off before installing or maintaining this product.

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- 6) Insert the new battery (Battery type CR2032 ) under the retaining arm, ensure the retaining arm makes good contact with the battery once fitted. Note the battery face which has the "+" terminal must be facing upwards so that it is viewable by the installation engineer.
- 7) Once the battery is fitted reassemble the Data Manager and power the unit on. The time and date will be incorrect and must be set via a PC connection or the front panel keypad. Once the time and date is set power the Data Manager off completely and wait 5 minutes. Now power the Data Manager on and the time and date should have remained at the correct values. If not the RTC battery may have been inserted incorrectly or the battery may be faulty etc and further checks will be required.

**Note** when carrying out the above test at point 7 the battery backup kit for the Data Manager must be disconnected and if the Data Manager is pointed to an NTP time sever this feature must be disabled whilst testing the RTC battery operation.

## Disclaimer

The specifications of the product detailed in this document may change without notice. RDM Ltd shall not be liable for errors or omissions, for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document.



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