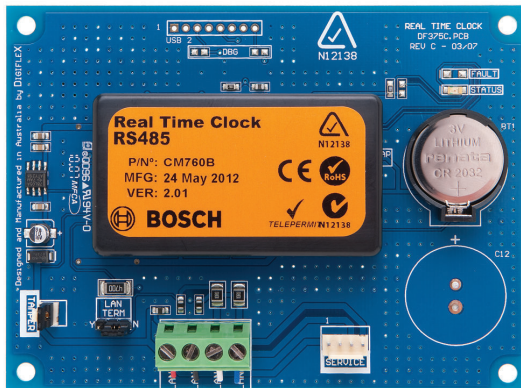# CM760B Real Time Clock Module

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BOSCH
Invented for life

- ▶ Accuracy better than =/- 2 minutes / calendar year
- ▶ Simple RS485 LAN connection to control panel
- ▶ Local low battery fault indicator and dedicated tamper input
- ▶ LAN monitored, encrypted data and anti-substitution
- ▶ Service keypad connection point included

The CM760B is a low-cost, extremely accurate real time clock (RTC) with batter backup and maintains accurate timekeeping even when the main power to the module is interrupted. The date at the end of the month is automatically adjusted for months with fewer than 31 days, including corrections for leap years.

Functions

With the increase in use of access control functionality and automatic locking and unlocking of doors, a stable and accurate system time source is required to ensure the ongoing correct operation of timed functions. The control panel will automatically synchronise its internal clock to the CM760B when the module is fitted to the LAN bus and uses this as its time reference.

Low battery monitoring is performed on the lithium backup battery every hour and a module fault will be displayed accordingly for low or missing battery conditions.

Only one Real Time Clock module can be connected per system and it can be placed at any location on the system LAN, however it is recommended for ease that it be fitted in the same enclosure as the main control panel.

Certifications and approvals

C-tick Supplier Code:	N12138
CE:	EN 55022:2010, EN 60950-1:2001
Telepermit:	PTC 211/12/017

Technical specifications

Power Requirements

Operating Voltage:	10.5V DC – 14.0V DC @ 50mA Stand-by
Battery Type:	3V Lithium button cell type (CR2032 size)
Battery Life:	Approx. 3 years

Connections

Module Connection (RS485 LAN):	Max total LAN length using multi-strand security cable = 300m Max total LAN Length using 2 pair twisted shielded data cable (Belden 8723) – 1200m See manual for complete wiring instructions.

Inputs	Cabinet tamper
Fixing Method:	The CM760 can be mounted in the MW700, Mw710, MW720 or MW730 enclosures using clip in PCB mounts supplied
Accuracy:	Better than +/- 2 minutes per calendar year

Environmental Considerations:

Temperature:	0º to 55ºC Relative humidity 5% to 85% at 30ºC non-condensing
Dimensions:	115(W) x 86(D) x 30H)mm
Warranty:	3 years

Ordering information

CM760B Real Time Clock Module
Order number **CM760**