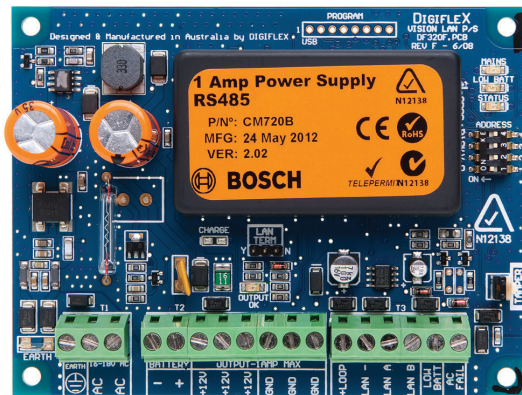# CM720B 1-Amp LAN Power Supply

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BOSCH
Invented for life

▶ 1 Amp continuous rated; LAN monitored

▶ Multiple protected power outputs

▶ Resettable fuse protected

▶ Pulse battery charger

▶ AC Fail output, low battery output and low battery indicator

The CM720B LAN Power Supply is a high efficiency 13.8V DC, 1Amp continuous rated switch mode power supply with built-in Pulse battery charger, suitable for charging up to 7Ah sealed lead batteries. Multiple power outputs are provided to simplify wiring to ancillary equipment and are protected with a self-resetting fuse.

As the CM720 is a LAN device, it can also be mounted in its own enclosure away from the Solution 144 panel, while still remaining fully supervised. A monitored cabinet tamper input is provided for added security when this connection method is used. The CM720 mounts in a single module space within the enclosure.

Functions

Once connected to the Solution 144 via the RS485 encrypted panel LAN, the Solution 144 panel continuously monitors all functions of the power supply including AC Power Fail, Low Battery, Output Voltage, Overload conditions and even its own temperature. Should any problems be detected, the system will display a trouble message on the code pad, as well as report the event to the monitoring station so they can take appropriate action.

Two fully protected open collector outputs with LED indicators are also provided on board for AC Fail and Low Battery conditions.

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

Voltage Input (Primary Source:)	16-18V AC 50-60Hz – 24VA External Power Adaptor or 220-240V AC to 18V AC 50-60Hz – 24VA Internal Transformer
Stand-By Battery (Secondary Source):	12V DC, 7.2AH sealed rechargeable battery Panasonic LC-P12R2P or equivalent. Resettable Fuse Protected @ 3 Amps
Voltage Output:	13.8V DC @ 1 Amp. Ripple 100mV @ Full Load (Primary supply source only)

Battery Monitoring:	11.5V DC Low battery trouble at keypads, low battery report sent (if programmed) 10.0V DC Shut down as voltage fails below 9V DC 13.0V DC Battery trouble clears from keypads, battery restore report sent (if programmed)

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
Outputs:	3 Output Terminals providing a total of 1 Amp output current (Resettable Fuse Protected) AC Fail – 50mA Max – Sink – 120mA – Overload Protected Low Battery – 50mA Max – Sink – 120mA – Overload Protected
Inputs:	Cabinet Tamper

Environmental Considerations

Temperature:	0º to 55ºC Operating
Humidity:	5% to 85% at 30ºC non-condensing

Enclosure

Dimensions:	115(W) x 86(D) x 30(H)mm
Warranty:	3 years

Ordering information

CM720B 1-Amp LAN Power Supply
Order number **CM720B**