

## CM7208 - 1 AMP LAN POWER SUPPLY MODULE

The CM7208 allows you to easily add additional power capacity to any Solution 16i or Solution 144 control panel. The CM7208 is a LAN based module which can be connected anywhere on the module bus to provide an additional 1 Amp at 13.8VDC which can be used to provide power for sensors or other devices.

The CM7208 has single power output which is current limited to 1000mA via a self-resetting fuse. An Output OK LED indicator is provided to show output power condition at all times. Should the output become overloaded for any reason then the Output OK LED will extinguish.

1 x CM7208 module can be installed on the Solution 16i panel and up to 8 x CM7208 modules can be installed on the Solution 144 panel.

When the CM7208 power supply is connected to the control panel, all of the CM7208's status information can be interrogated using the upload/download software or through any keypad connected to the system. Information such as output voltage, output overloaded, low battery, AC Fail and Tamper condition can all be displayed. It is even possible to display the actual temperature that the power supply is running at which can be helpful when remotely diagnosing faults.

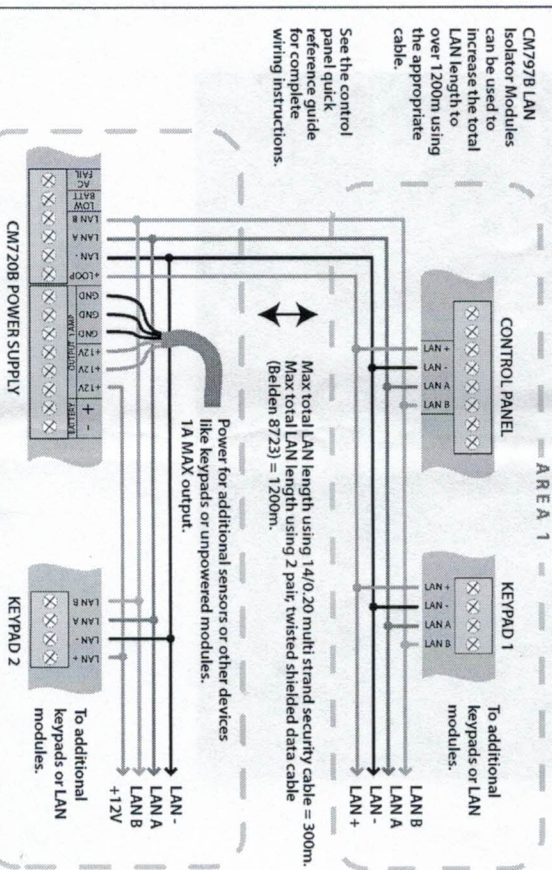
Separate outputs are provided for Low Battery and AC Fail indication. These outputs can be used to trigger other equipment if required. The tamper input can be used when the CM7208 is housed in a separate enclosure. If the tamper is not required, then it must be shorted using the supplied header shunt. The CM7208 requires a single module space in either the MW700 or MW710 enclosures.

### Stand Alone Operation

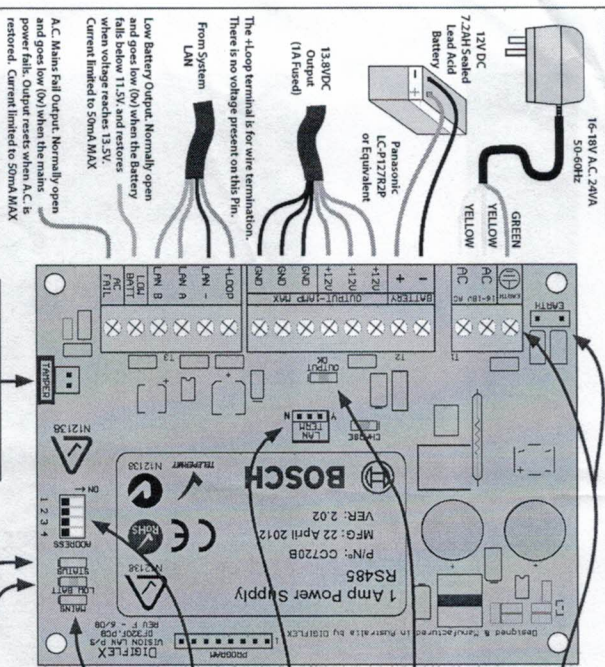
It is possible to use the CM7208 as a stand alone 1 Amp power supply if required. When used in this mode, the Status LED indicator will remain on steady, the Tamper input will cease to function and the battery test will occur every 4 hours. In stand alone mode all wiring should be performed as per this instruction sheet however the LAN terminals should be not connected.

### LAN+ Voltage Re-Generation

On installations with a large number of LAN powered devices (Keypads, Zone and Output Expanders etc) it may be necessary to provide additional power. To insure that the LAN+ voltage remains at an acceptable level, one or more CM7208 power supplies can be added to the system to regenerate the LAN+ voltage as well as power additional sensors or other devices. The diagram below shows the correct method for wiring the CM7208 when LAN+ re-generation is required.



### CM7208 Connection Diagram



Address	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4
1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
2	ON	OFF	OFF	OFF	ON	OFF	OFF	ON
3	OFF	ON	OFF	OFF	OFF	ON	OFF	ON
4	ON	ON	OFF	OFF	ON	ON	OFF	ON
5	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
6	ON	OFF	ON	OFF	ON	OFF	ON	ON
7	OFF	ON	ON	OFF	OFF	ON	ON	ON
8	ON	ON	ON	OFF	ON	ON	ON	ON

### CM7208 Specifications

Part Number: CM7208 - 1 Amp Power Supply Module

Voltage Input: 16-18V A.C. 50-60Hz - 24VA External Power Adaptor or (Primary Source)  
220-240V A.C. to 18V A.C. 50-60Hz - 24VA Internal Transformer

Stand-by Battery: 12 V.D.C., 7.2Ah sealed rechargeable battery (Secondary Source)  
Panasonic LC-P127R2P or equivalent.

Module Connection: shielded data cable (Belden 8723) = 1200m. 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 the control panel quick reference guide for complete wiring instructions.

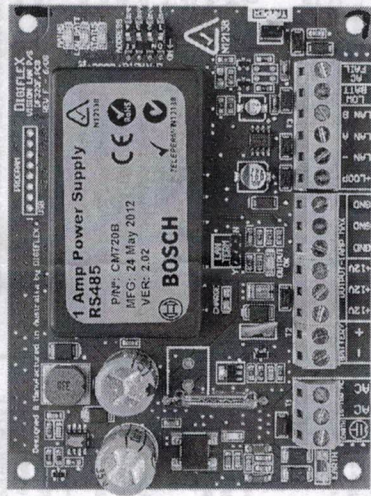
Operating Environment: 0° to 55°C RH 5 to 85% at 30°C non-condensing.

Fitting Method: The CM7208 can be mounted in either the MW700B, MW710B, MW720B or MW730B enclosures using clip in PCB mounts - supplied.

Warranty: 3 years from date of manufacture (return to base).

CM720B

# 1 Amp LAN Power Supply Module



Security Systems

EN | Security System  
Installer Reference Guide

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