

CM720B - 1 AMP LAN POWER SUPPLY MODULE

The CM720B allows you to easily add additional power capacity to any Solution 16i or Solution E series control panel. The CM720B 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 CM720B 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 CM720B module can be installed on the Solution 16i panel, and up to 16 x CM720B modules can be installed on the Solution E panel

When the CM720B power supply is connected to the control panel, all of the CM720B'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 CM720B is housed in a separate enclosure. If the tamper is not required, then it must be shorted using the supplied header shunt. The CM720B requires a single module space in either the MW700B or MW710B enclosures.

Stand Alone Operation

It is possible to use the CM720B 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.

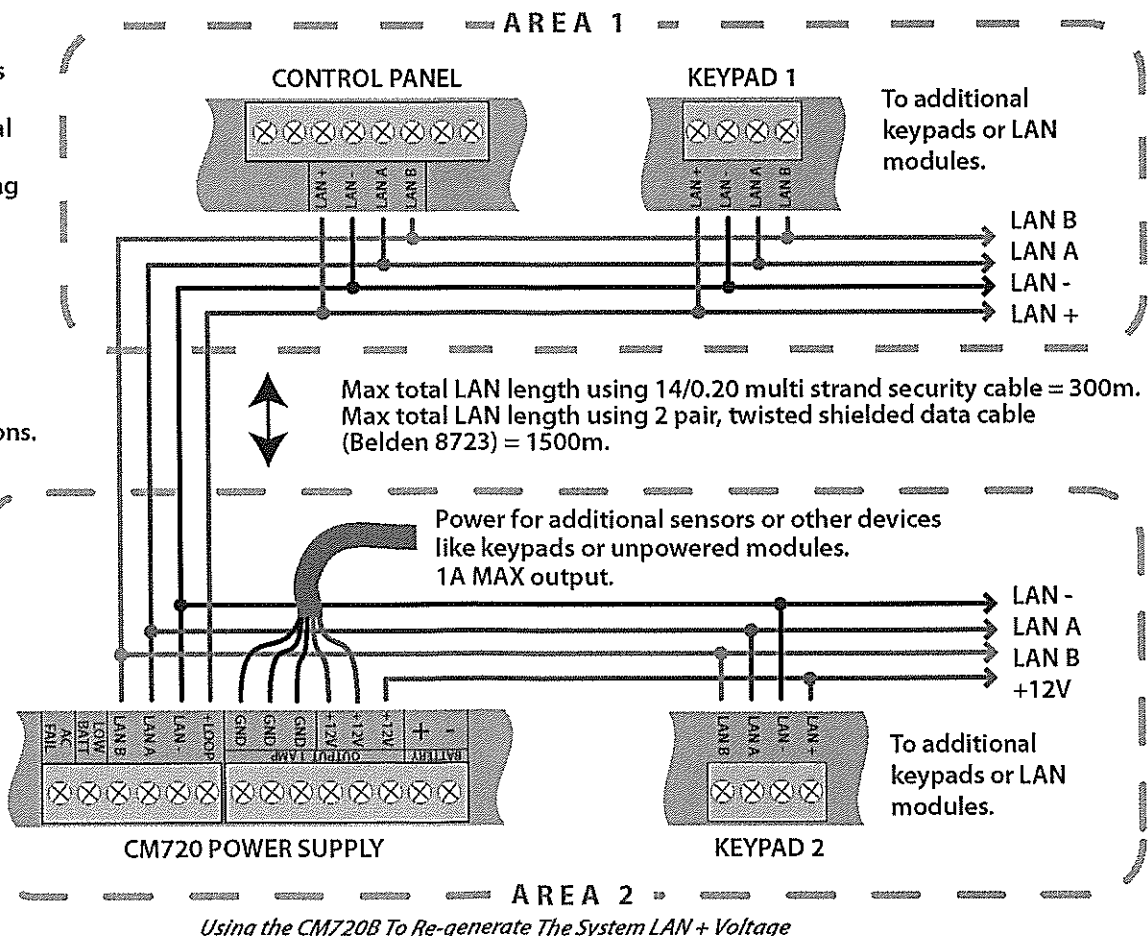
LAN+ Voltage Re-Generation

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 CM720B power supplies can be added to the system to regenerate the LAN+ voltage as well as power additional sensors or other devices.

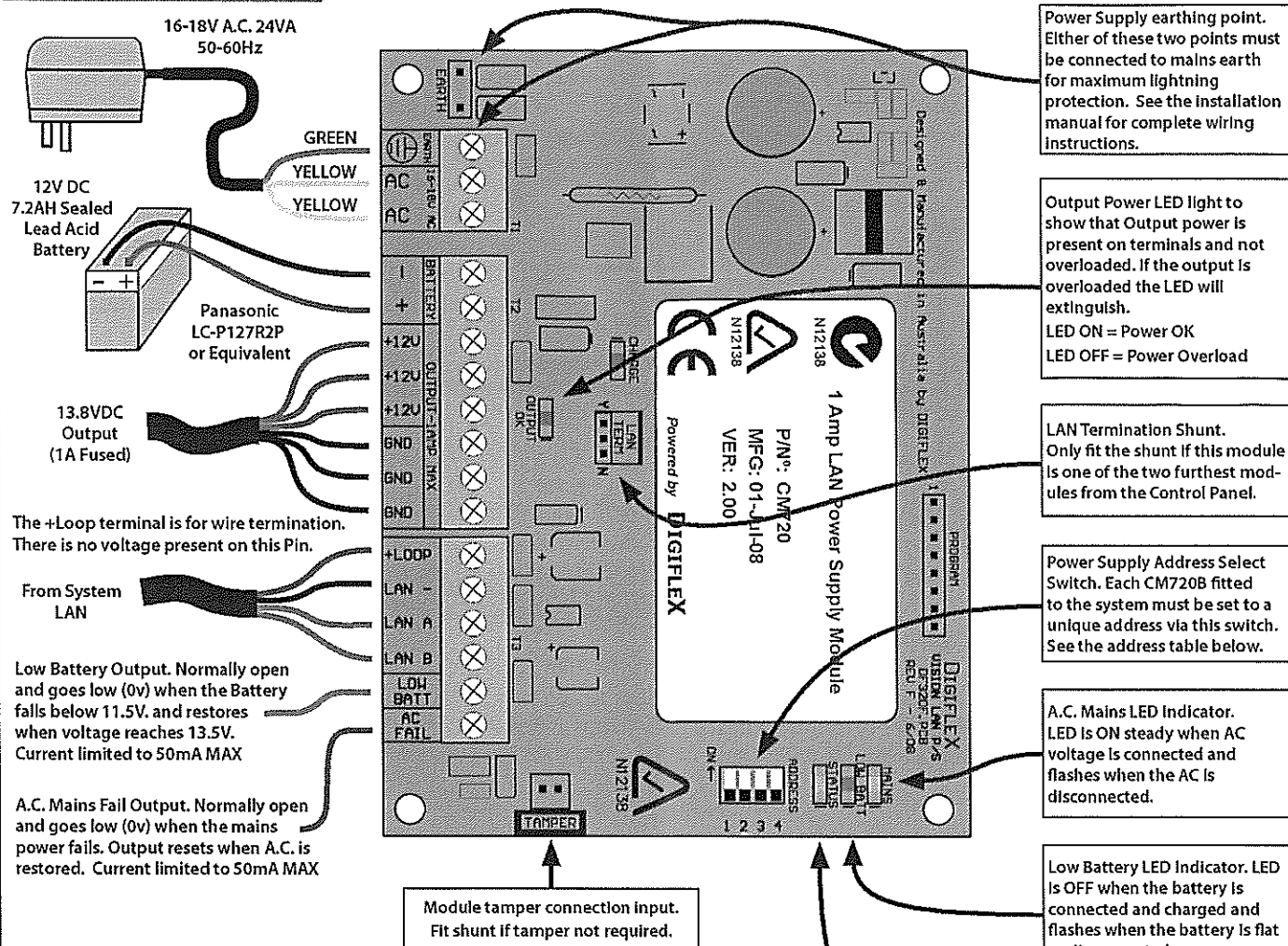
The diagram below shows the correct method for wiring the CM720B when LAN+ re-generation is required.

CM797 LAN Isolator Modules can be used to increase the total LAN length to over 1500m using the appropriate cable.

See the control panel quick reference guide for complete wiring instructions.



CM720B Connection Diagram



Module Address Table

Module Configuration									
Address	SW1	SW2	SW3	SW4	Address	SW1	SW2	SW3	SW4
1	OFF	OFF	OFF	OFF	9	OFF	OFF	OFF	ON
2	ON	OFF	OFF	OFF	10	ON	OFF	OFF	ON
3	OFF	ON	OFF	OFF	11	OFF	ON	OFF	ON
4	ON	ON	OFF	OFF	12	ON	ON	OFF	ON
5	OFF	OFF	ON	OFF	13	OFF	OFF	ON	ON
6	ON	OFF	ON	OFF	14	ON	OFF	ON	ON
7	OFF	ON	ON	OFF	15	OFF	ON	ON	ON
8	ON	ON	ON	OFF	16	ON	ON	ON	ON

CM720B Specifications

Part Number:	CM720B - 1 Amp Power Supply Module
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) = 1500m. See the control panel quick reference guide for complete wiring instructions.
Voltage Input: (Primary Source)	16-18V A.C. 50-60Hz - 24VA External Power Adaptor or 220-240V A.C. to 18V A.C. 50-60Hz - 24VA Internal Transformer
Stand-by Battery: (Secondary Source)	12 V D.C., 7.2AH sealed rechargeable battery Panasonic LC-P127R2P or equivalent.
Operating Environment:	0° to 55°C RH 5 to 85% at 30°C non-condensing.
Fixing Method:	The CM720B can be mounted in either the MW700B or MW710B enclosures using clip in PCB mounts - supplied.
Warranty:	3 years from date of manufacture (return to base)



In the interest of ongoing product development this document is subject to change without notice.



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