

4A Sounder Booster



Features

The Advanced 4A Sounder Booster is a peripheral unit that takes a standard sounder circuit from either a control panel or other panel based sounder circuit controller and provides increased sounder output drive capability. The boosted output is fully monitored for open and short circuits and will take an independent supply to provide up to 4 Amps of sounder drive current to a single circuit.

The unit is available as a boxed 4A Sounder Booster: -

Mxp-026-BXP is a Booster card and 4 Amp EN54-4 power supply mounted in a metal enclosure.

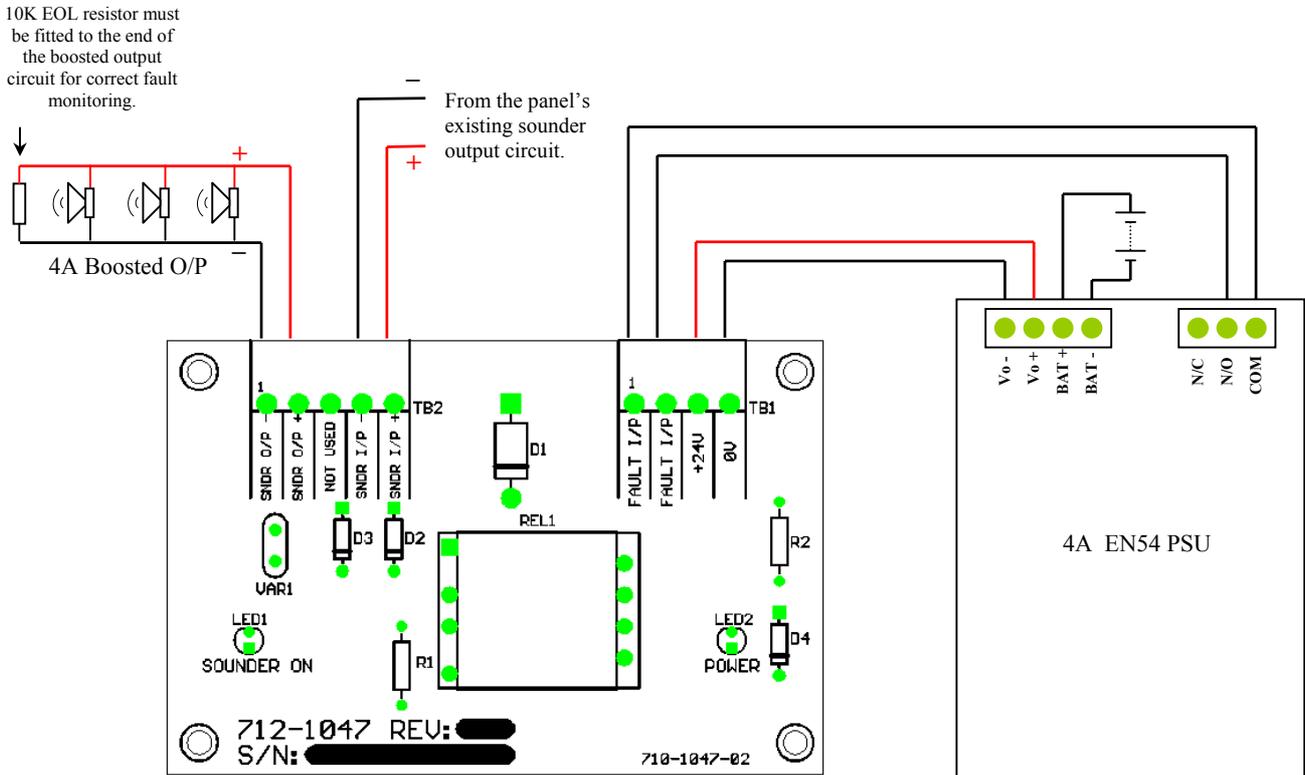
Models, Sales Order Parts:	
Part No:	
Mxp-026-BXP:	4A Sounder Booster Card and 4 Amp EN54 Power Supply mounted in metal enclosure.
Mxp-026:	Spare Sounder Booster PCB only. Requires 4 Amp power supply and enclosure
Applications / Limitations:	
<p>The sounder booster is used where a single sounder output circuit of up to 4 Amps is required.</p> <p>Each of the panel's sounder outputs can only monitor a single circuit. The unit must therefore be situated at the end of the panel's sounder output circuit to maintain correct fault monitoring. 'Daisy-chaining' is not recommended, as this would require the monitoring of more than one circuit. See 'wiring configuration'</p>	
Compatibility:	
The Mxp-026 is compatible with all Mx-4000 control panels.	

Item	Specification Details
Sounder Input	"SNDR I/P+" and "SNDR I/P -" Connect to the Input trigger (panel sounder output circuit).
Sounder Outputs	1 monitored sounder circuit (Total maximum load = 4A)
On board indication	1 "red" sounder LED. LED illuminates when the output is triggered. 1 "green" power LED. LED illuminates when an external supply is connected.
Power Supply	4 Amp EN54 Power Supply. Nominal output voltage = 27.3VDC
Current Consumption (Derived from sounder circuit I/P)	Quiescent: 0mA Driving: 17mA
Dimensions (H x W x D)	PCB only: 70mm x 105mm x 18mm Enclosure: 320mm x 345mm x 85mm
As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice	

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Wiring Configuration

The diagram below shows a 'typical' application for the 4A sounder booster. Note that a 10KΩ EOL resistor must be fitted to the end of the boosted sounder output circuit to maintain correct fault monitoring.



Mxp-026 Wiring Configuration.

Fault Indication

Any open circuit condition between the 'FAULT I/P' terminals will result in the panel indicating a 'Sounder Open Circuit' fault. When the 'FAULT I/P' terminals are connected to the PSU's 'Fault' relay, the panel will indicate a 'Sounder Open Circuit' fault should the PSU develop any fault.

Normal sounder circuit open circuit and short circuit monitoring is applicable on the boosted sounder output circuit.