

LPS800

Generation 6 MX Detection Range Loop Powered Sounder Module

Features

- Compatible with **MX** Addressable Loop on VIGILANT **MX1** panels
- **MX** loop addressable controlled output
- Provides a single monitored output circuit up to 75mA
- Allows loop powering of sounders
- Allows remote sounder circuits
- Reduced installation costs - a wide range of applications with the one module

The LPS800 **MX** addressable device provides a loop-powered controllable output that can supply up to 75mA to 24V rated load devices, such as sounders, relays, etc. It also provides supervision of the wiring to the loads. Therefore each load device must have an integral series diode, or one must be fitted externally to allow the reverse voltage supervision to work. A 27k ELD resistor is required.

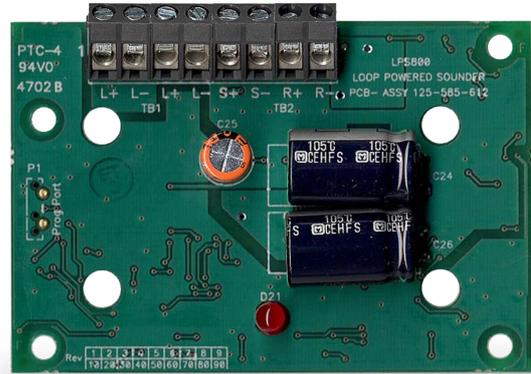
The wiring to the load devices can be arranged as a spur (Class B), or as a loop (Class A) so that an open circuit does not stop operation of the devices.

Mounting

The LPS800 is supplied as an open circuit board (PCB) with mounting hardware and must be fitted into a suitable enclosure. It may be mounted on a gearplate using plastic standoffs, to an M520 Ancillary Cover and K2142 back box, or into a D800 Ancillary Housing. The K2142 mounting box provides a convenient surface mounting enclosure and the M520 cover is designed to accommodate the LPS800.

Address Setting

The LPS800 is shipped with a default (invalid) address of 255 and must be set to the correct loop address using the 850EMT or 801AP **MX** Service Tool and programming lead.



Specifications

Loop Voltage ¹	20V to 40Vdc
Quiescent Current	450µA
Operated Current (<8mA load)	12mA
Operated Current (>8mA load)	Load Current + 4mA
Output Current ² (maximum)	75mA
Output EOL	27k Ohm 0.5W
Max. LPS800 per Loop ³	200/250
Ambient Temperature	-25°C to +70°C
Storage Temperature	-40°C to +80°C
Relative Humidity	10% to 95% (non cond.)
<i>Indoor Applications Only</i>	
Dimensions (HWD)	61 x 84 x 25 mm
Wire Size (maximum)	2.5sq. mm
Not ActivFire Listed	
FPANZ Listing	VF/652

Part Numbers

577.800.011	LPS800
M520	Ancillary cover
517.035.010	K2142 Back Box
557.201.401	D800 Ancillary Housing

1. Addressable loop voltage provided by **MX** CIE.

2. Output current is for a resistive load.

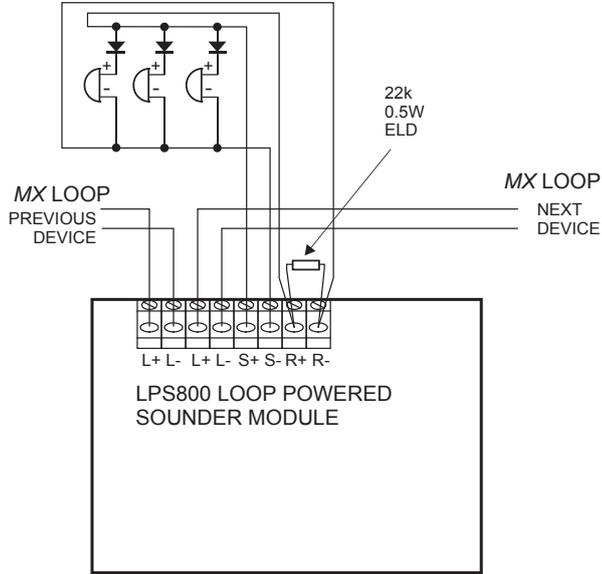
3. **MX1**. Refer to appropriate manual: LT0360 (**MX1-NZ**), LT0441 (**MX1-Au**) for design specifications.

Wiring

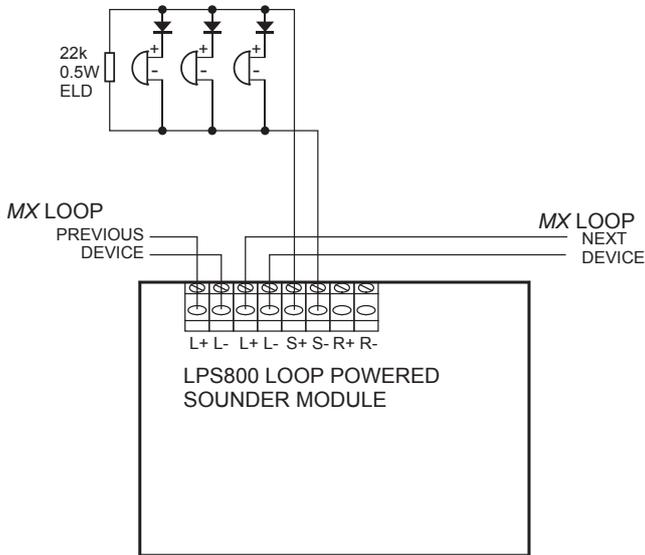
LPS800 wiring:

The LPS800 load wiring must be electrically isolated from all other equipment (including other MX devices). Each load device must have a series diode inserted if one is not included already.

Spur (Class B)



Loop (Class A)



Australia
New Zealand

Level 3, 95 Coventry Street Southbank VIC 3006 Tel: 1300 725 688 Tel: +61 3 9313 9700 Email: fdp.customerservice.anz@jci.com
17 Mary Muller Drive Hillsborough PO Box 19-545 Woolston Christchurch 8241 Tel: +64 9 635 0617 Email: tsp.sales.nz@tycoint.com

VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of MX TECHNOLOGY fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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