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

Specifications
- Loop Voltage: 20V to 40Vdc
- Quiescent Current: 450µA
- Operated Current (<8mA load): 12mA
- Operated Current (>8mA load): Load Current + 4mA
- Output Current: 75mA (maximum)
- Output EOL: 27k Ohm 0.5W
- Max. LPS800 per Loop: 200/250
- Ambient Temperature: -25°C to +70°C
- Storage Temperature: -40°C to +80°C
- Relative Humidity: 10% to 95% (non cond.)

Indoor Applications Only
Dimensions (HWD): 61 x 84 x 25 mm
Wire Size (maximum): 2.5sq. mm
Not ActivFire Listed
FPANZ Listing

Part Numbers
- 577.800.011 LPS800
- 557.201.401 D800 Ancillary Housing
- 517.035.010 K2142 Back Box
- M520 Ancillary cover
- 850EMT or 801AP MX Service Tool and programming lead.

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.

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)

![Spur (Class B) Wiring Diagram]

Loop (Class A)

![Loop (Class A) Wiring Diagram]