SNM800

Generation 6 MX
Detection Range
Sounder Notification Module

Features
- Compatible with MX Addressable Loop on SIMPLEX 4100ESi, VIGILANT MX1 and VIGILANT MX4428 panels
- Addressable switched output with supervised output wiring
- Optional supervision of external supply
- Common MX module footprint

Description
The SNM800 MX Addressable Sounder Notification Module provides a switched output that may be used to power sounders, extinguishing devices or other auxiliary equipment from an external supply. The output is activated in response to a command from the MX Control and Indicating Equipment (CIE).

The wiring to the controlled devices can be supervised for open and short circuit fault conditions and the power supply for the devices can be optionally supervised.

When supervision is required, each output device (sounders, etc.) must have a suitable diode wired in series (if not already contained in the device) so that End of Line (EOL) resistor supervision can be used.

Mounting
The SNM800 is supplied as an open circuit board (PCB) with mounting hardware and EOL resistor and must be fitted in a suitable enclosure. It may be mounted on a gear plate 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 SNM800.

Operation
The on-board LED illuminates when the output is activated. It can also be programmed to blink when the SNM800 is polled by the CIE.

Address Setting
The SNM800 is shipped with a default (invalid) address of 255 and must be set to the correct loop address using the 850EMT or MX Service Tool and programming lead.

Specifications
- Loop Voltage\(^1\): 20V to 40Vdc
- Quiescent Current: 450µA
- Operated Current (LED on): 3mA
- External Supply\(^2\): 18 to 28.7Vdc
- Output Current2 (maximum): 2A
- Output Current EOL: 27k Ohm 0.5W
- Max. SNM800 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.)
- Indoor Applications Only
- Dimensions (HWD): 61 x 84 x 25 mm
- Wire Size (maximum): 2.5sq. mm
- ActivFire Listed
- FPANZ Listed

Part Numbers
- SNM800
- 517.035.007
- 517.035.010
- 547.004.002
- 557.201.401
- SNM800 PCB
- M520 Ancillary Cover
- K2142 Back Box
- DIN Rail Mounting Brkt
- D800 Ancillary Housing

1. Addressable loop voltage provided by MX CIE.
2. Output current is for a resistive load.
3. MX4428/MX1. Refer to appropriate manual: LT0273 (MXP), LT0360 (MX1-NZ), LT0441 (MX1-Au) for design specifications.
Wiring

The SNM800 load wiring must be electrically isolated from all other equipment (including other MX devices) when the SNM800 output is not operated. The R+ and R- terminals must be left unconnected.

Mounting

SNM800 fitted to M520 Cover.