

# 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

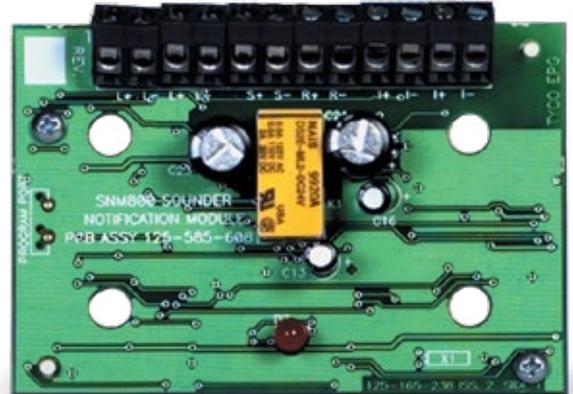
The SNM800 is supplied as an open circuit board (PCB) with mounting hardware and EOL resistor and must be fitted in a suitable enclosure. It may be mounted on a gear plate using plastic standoffs, to an M520 Ancillary Cover and K2142 back box, or into a D800 Ancillary Housing. The K2142 mounting box 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 <sup>1</sup>	20V to 40Vdc
Quiescent Current	450µA
Operated Current (LED on)	3mA
External Supply <sup>2</sup>	18 to 28.7Vdc
Output Current <sup>2</sup> (maximum)	2A
Output Current EOL	27k Ohm 0.5W
Max. SNM800 per Loop <sup>3</sup>	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
ActivFire Listed	afp-3169
FPANZ Listed	VF/644

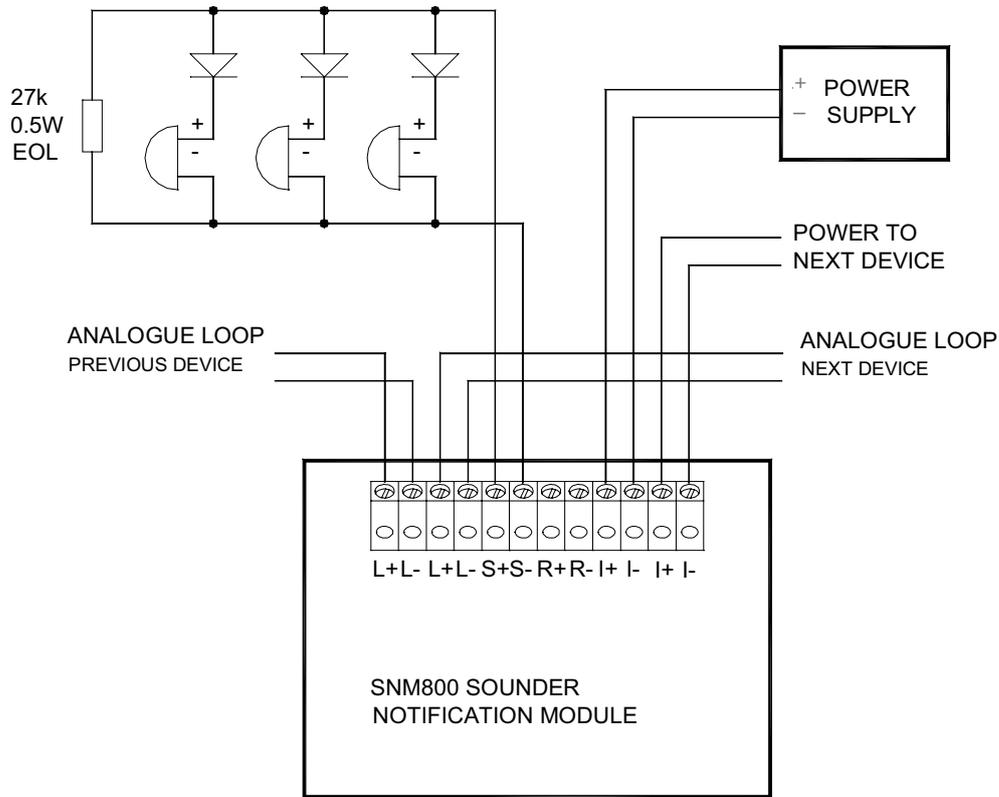
### Part Numbers

SNM800	SNM800 PCB
517.035.007	M520 Ancillary Cover
517.035.010	K2142 Back Box
547.004.002	DIN Rail Mounting Brkt
557.201.401	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.

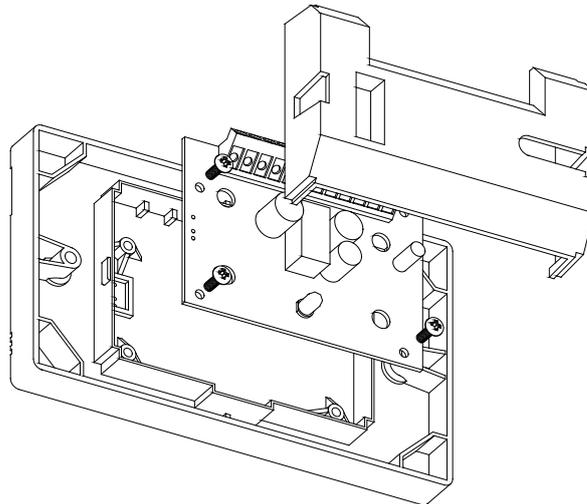
## Wiring

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.



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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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