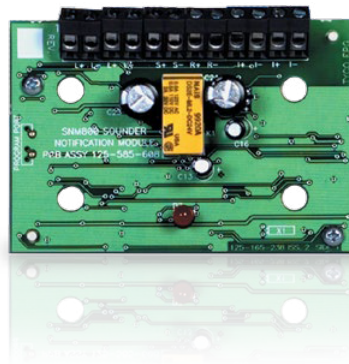

Description

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.

Figure 1: SNM800



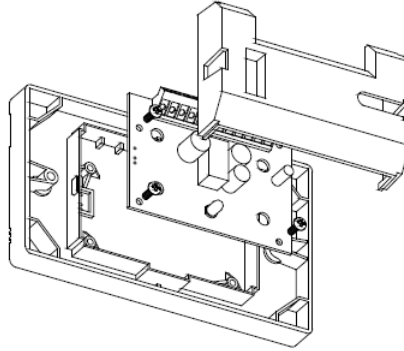
Features

- 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
- AS ISO 7240.18 Listing Input/Output Modules

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.

Figure 2: SNM800 fitted to M520 cover



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

Table 1: Specifications

Item	Description
Loop Voltage ¹	20 V to 40 Vdc
Quiescent Current	450 μ A
Operated Current (LED on)	3 mA
External Supply ²	18 to 28.7 Vdc
Output Current ² (maximum)	2A
Output Current EOL	27k Ohm 0.5 W
Max. SNM800 per Loop ³	200/250
Ambient Temperature	-25°C to +70°C
Storage Temperature	-40 °C to +80 °C
Relative Humidity <i>Indoor Applications Only</i>	10% to 95% (non cond.)
Dimensions (HWD)	61 x 84 x 25 mm
Wire Size (maximum)	2.5sq. mm
ActivFire Listing	afp-3169
FPANZ Listing	VF/644
Standards	AS ISO 7240.18:2018

Table 2: Part numbers

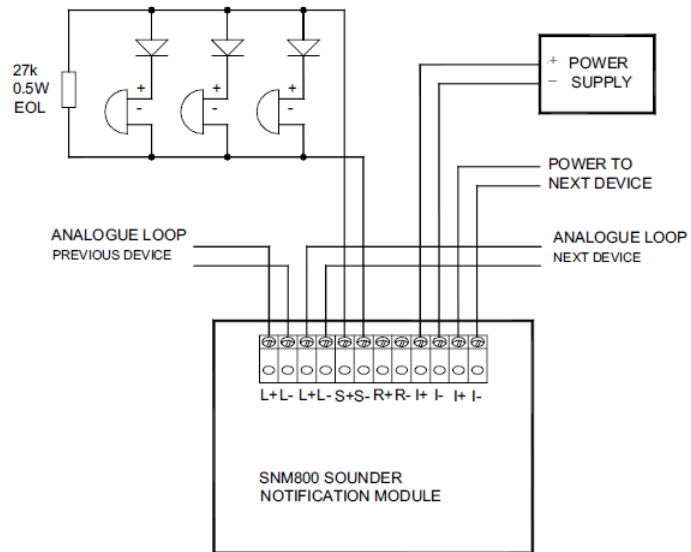
Part number	Description
577.800.035	SNM800 Sounder Notification Module
517.035.007	M520 Ancillary cover
517.035.010	K2142 Back box
547.004.002	DIN Rail Mounting brkt
557.201.401	D800 Ancillary housing

Callout	Description
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.

Figure 3: Wiring



Contact information

Australia

Level 3, 37 Dalmore Drive, Scoresby, Vic, 3179

Tel: 1300 725 688

Email: fdp.customerservice.anz@jci.com

New Zealand

10 Mary Muller Drive, Hillsborough, Christchurch, NZ, 8022

Tel: +64 9 635 0617

Email: fdp.customerservice.anz@jci.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 QE20/QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

