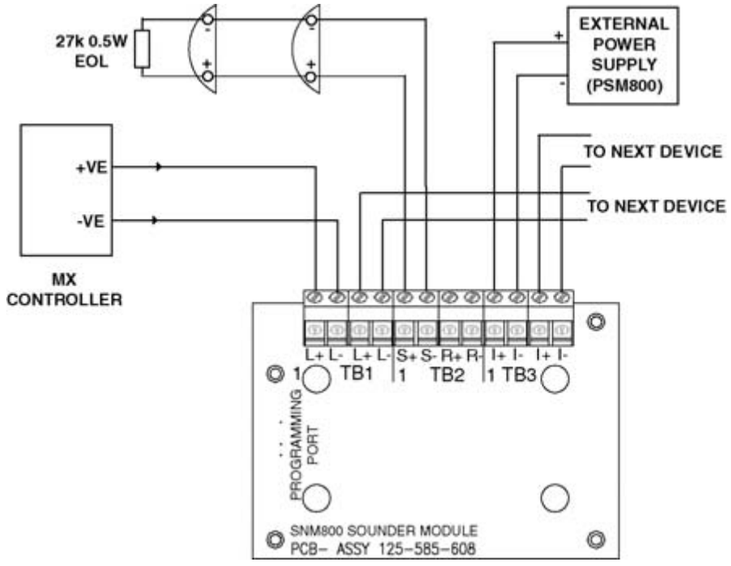

Fig. 4 Simplified Wiring Diagram showing Sounders wired in a Spur Configuration

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Fig. 1 EV-SCM Sounder Notification Module

INTRODUCTION

The **EV-SCM** Sounder Control Module is designed to provide an output, in response to a command signalled from a controller, to activate a number of polarised and suppressed sounders. The sounders are powered from an independent power supply and the module is capable of passing up to a maximum of 2A.

FEATURES

Use an EN54 approved PSU, to supply the source power for EV-SCM dc applications:

- **EV-SCM** can switch up to 2A
- **EV-SCM** supervises power supply.
- **EV-SCM** monitors the wiring to signalling devices and will not switch on (even if commanded to do so), if a short circuit occurs. This prevents a single short circuit condition from disabling more than the output that contains the short-circuit.

24V Input Power Voltage Requirement:

26.4V Max., 21.9V min. This allows for 0.9V max. voltage drop between a suitable power supply and the **EV-SCM**.

An LED reports **EV-SCM** status to the user.
The LED lights when the **EV-SCM** has been commanded to activate.

TECHNICAL SPECIFICATION

Type Identification Value:	65
System Compatibility:	Use only with Evolution Fire Alarm panels which support this product
Loop Voltage:	20 - 38 Vdc
Environment:	Indoor Application only
Operating Temperature:	-25° to +70°C
Storage Temperature:	-40° to +80°C
Operating Humidity:	Up to 95% non-condensing
Dimensions (HWD):	87 x 148 x 14mm
Mounting Requirements:	One MK dual gang backbox surface mount
Wire Size:	Min 1.5mm^2 Max 2.5mm^2
Battery Requirements:	
Stand-by current:	0.75mA max
Alarm current:	4.5mA max

Addressable Device Conditions:

- Normal
- Output Active
- Short Circuit wiring fault
- Open Circuit wiring fault
- Input Power fault
- Device Type invalid
- Device No Response

Notification Circuit:

Max. Circuit Voltage Drop: 3.0V dc
Notification Circuit EOL: 27k ohms, 0.5 watt
Output Current: 2A max @ 24V dc

Declaration of Performance: 00114
CPR Certificate: 0905-CPR-00114
UKCA Certificate: 0359-UKCA-CPR-00001

ELECTROMAGNETIC COMPATIBILITY

The EV-SCM complies with the following:
Product family standard EN50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy
EN50081-1 for Emissions

WIRING NOTES

The following notes apply:

1) There are no user-required settings (such as switches or headers) on **EV-SCM**.

2) All wiring must conform to the current edition of IEE Wiring Regulations and BS5839 part 1.

3) All conductors to be free of earths.

4) All Notification appliances must be polarised and suppressed.

5) Verify the correct polarity of wiring before connecting the **EV-SCM** to the addressable loop circuit.

6) For **EV-SCM** typical wiring configurations (see Figure 4).

EV-SCM Module

Installation Leaflet EV-SCM Issue 3

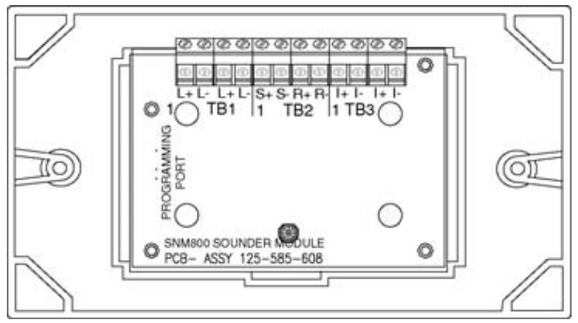

Fig. 2 EV-SCM Fitted to Cover

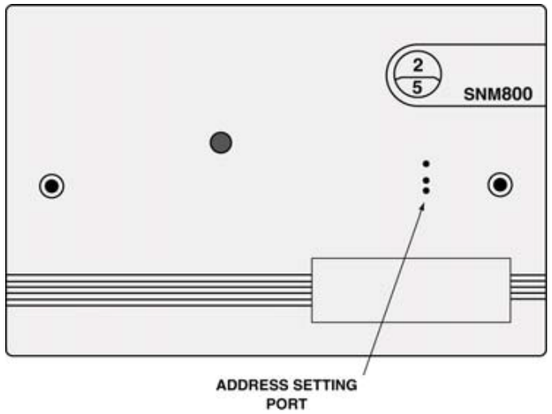

Fig. 3 EV-SCM Sounder Notification Module Facia Plate

ADDRESS SETTINGS

The **EV-SCM** must have its Loop Address programmed prior to installation with the EV-AD2 Programmer, using the Universal Addressing Lead (Two Pin) supplied with the EV-AD2 kit, by connecting Red pin to L+ & Black pin to L- on the reverse of the device. You can also use the EV Module Addressing Lead (Three Pin) via the Programming Port in the front cover (See Fig.3), after the device is installed.

Note: *Once the address has been programmed, take note of the device location and address number, to include on site drawings.*

CABLING

Cables are to be selected in accordance with the requirements of the current issue of BS5839. A maximum of one 1.5mm^2 or one 2.5mm^2 cable may be connected at any one terminal.

ASSOCIATED EQUIPMENT

The module fits onto a standard dual-gang MK box. The module may drive a **EV-SBM** Sounder Booster Module.

ORDERING INFORMATION

EV-SCM Sounder Control Module F16N82026