



## AlarmSense® Manual Call Point Installation Guide

### General

AlarmSense® is a range of conventional detection and alarm products designed to be connected to the same pair of supply wires. It is not compatible with other ranges of detectors and must be used with AlarmSense compatible control equipment.

The products are not suitable for outdoor use. Insulation checks on cabling must be conducted prior to connection of AlarmSense devices.

### AlarmSense Manual Call Point

The AlarmSense Manual Call Point (EN54), part no. 55100-894, is supplied with a backbox for surface mounting. The call point is 'Type A' meaning it is suitable for indoor use only. For flush mounting, a standard electrical outlet box with a minimum depth of 20mm is required.

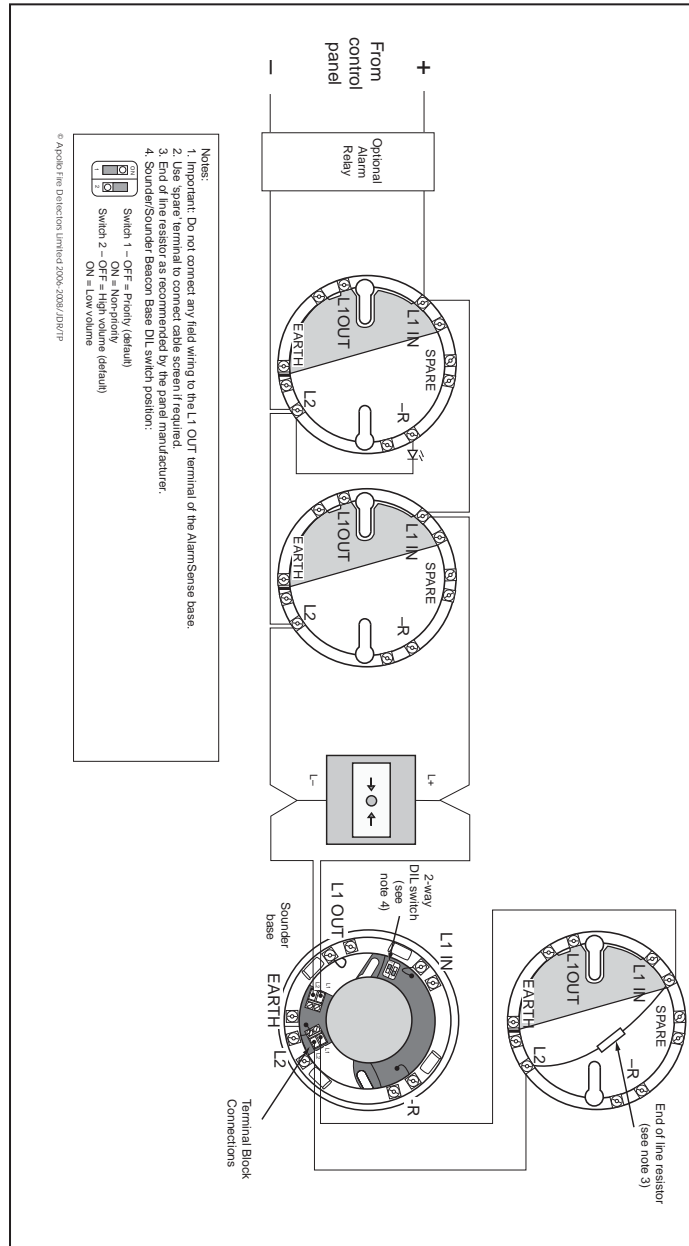


Fig 5 Schematic wiring diagram of an AlarmSense zone

## Installation – General

The installation must conform to BS5839: Part 1 (or applicable local codes).

*Warning: AlarmSense call points are polarity sensitive.*

### Installation

1. Fit the backbox (Fig 1) to the wall.
2. Run the cables into the backbox and connect them to the terminal blocks as shown in Fig 2. Ensure that functional earth/screen continuity is maintained. Screens should be connected to the yellow terminal block marked 1–4 on the black PCB cover.
3. If a continuity test is to be done, it should be carried out before securing the call point to the backbox (step 4). Insert the continuity links supplied with the backbox (Fig 3) into the terminal blocks before testing. After testing for continuity remove the connectors and store for re-use.
4. Unlock the small front cover by inserting the forked key and pushing it home. Remove key, slide the cover down and remove the deformable element. Connect the terminal blocks as shown in Fig. 2, secure the call point to the backbox and refit the deformable element as required. Finally, replace the front cover in the reverse order in which it was removed and push it up until it locks.

### Transparent Hinged Cover (flip lid)

To provide additional protection against accidental operation of call points, a transparent hinged cover (part no. 26729-152) with locking tag (part no. 26729-179), is available, which can be fitted to the manual call points included in this guide.

*Please note that once a manual call point is fitted with such a lid it no longer complies with EN54-11 2001. For non-UK installations, check compliance with the appropriate authority.*

### Commissioning

Test each MCP using the test key provided. Ensure the control panel enters the alarm state and the LED illuminates.

### Wiring Details

All wiring terminals accept solid or stranded cables up to 2.5mm<sup>2</sup>.

### Maximum Current Consumption at 15V

quiescent	<50µA at 15V
alarm current at 2–4.5V	<1.5mA
at 7.5–15V	25±2mA
at 18–24V	<1.5mA

### LED Indicator

- ☉ Illuminated red when call point is operated

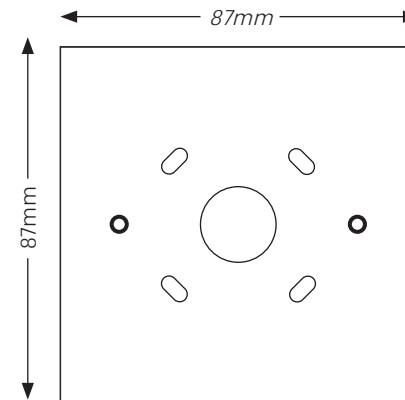


Fig 1 Backbox

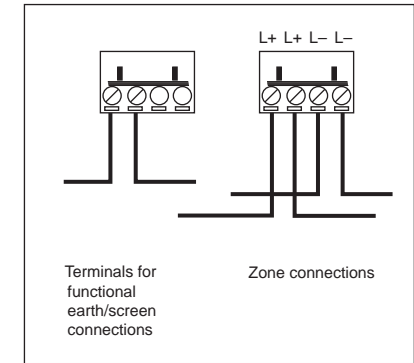


Fig 2 Terminal block connections

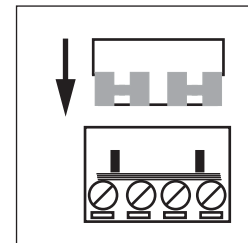


Fig 3 Continuity link

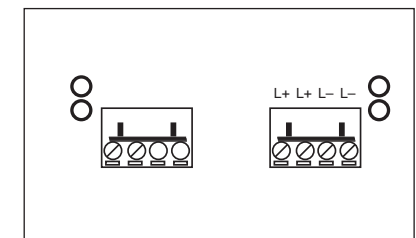


Fig 4 Terminal blocks fitted

### Troubleshooting

Before investigating individual units for faults, ensure the system wiring is fault free.

### Fault Finding

Problem	Possible Cause
Control panel reports zone fault	EOL resistor not fitted or incorrect value Detector removed Incorrect zone wiring Incompatible control panel
Control panel reports alarm	Incorrect EOL resistor Detector or MCP in alarm state
Sounder fails to operate	Incorrect wiring Sounders disabled at control panel
Sounder operates continuously	Incompatible control panel
MCP does not activate alarm	Polarity reversed MCP disabled at panel