

## Intelligent Manual Call Point



## FEATURES

The Intelligent Manual Call Point has been designed to operate on a loop of intelligent fire detection devices. An alarm is initiated by pressing the resettable element. The manual call point signals to the Control and Indicating Equipment using an interrupt feature within the Shield Digital Protocol. An alarm status is indicated through the rotation of the resettable element, displaying yellow and black indication bars and a solid red LED. The manual call point can be easily reset from the front using the supplied reset key.

- Resettable operating element.
- Easy access, front reset mechanism.
- E-Z fit connector system for installation.
- Ergonomic reset key.
- EN 54-11 & EN 54-17 Certified.
- 170° viewable LED.
- Continuity link for cable insulation testing.
- Suitable for semi flush or surface mounting.

## DESCRIPTION

### ELECTRICAL CONSIDERATION

The Intelligent Manual Call Point is loop powered and operates at 17-35 VDC.

### OPERATING PRINCIPLES

The address of each call point is set at the commissioning stage by means of a DIL switch.

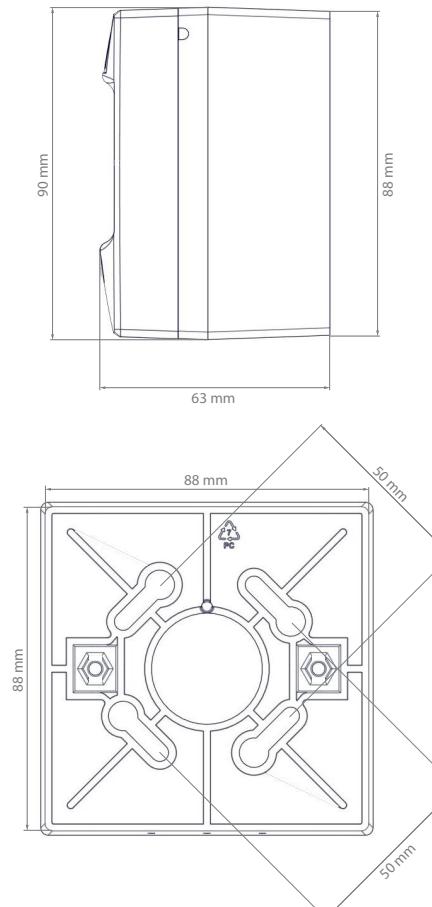
A solid red alarm LED is provided on the manual call point. This LED is controlled independently of the call point, by the control panel. The LED will flash yellow if there is a fault and flash green when the device is polled.

Once activated, the Intelligent Manual Call Point can be reset by inserting the reset key into the front facing LED, turning clockwise until a positive click and reset occurs.

The Intelligent Manual Call Point incorporates a short circuit isolator which will ensure its operation in the event of a short circuit fault on the loop. Isolator operation is indicated by a solid yellow LED.

This manual call point helps reduce installation time as all the initial installation cabling is wired to a removable terminal block which fits neatly in the back of the manual call point.

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## TECHNICAL DATA

Supply voltage	17-35 VDC
Digital Communications	Shield Protocol, compatible 5-13V Peak to Peak
Current Consumption (max) at 24 VDC	
Power Up Surge (1s typical)	1 mA
Quiescent	100 µA
Alarm current (LED On)	4 mA
Operating temperature	-40 °C to 70 °C
Humidity	0 - 95% RH (no condensation or icing)
Vibration, impact and shock	EN 54-11 & EN 54-17
IP Rating	IP44
Approvals & standards	EN 54-11, EN 54-17, LPCB
Dimensions (H x W x D)	90 mm x 90 mm x 63 mm
Weight	180 g

## MECHANICAL CONSTRUCTION

The component parts of the call point are moulded in a robust fire retardant polycarbonate.

## EMC DIRECTIVE 2004/108/EC

The Intelligent Manual Call Point complies with the essential requirements of the EMC Directive 2004/108/EC, provided that it is used as described in this data sheet.

