

Fire detection and evacuation solutions that save lives.

# Intelligent Manual Call Point

## Features

- Suitable for Flush or Surface Mount Application
- Plug E-Z Fit Connector
- Easy Access
- Front Reset Mechanism
- 170° viewable LED
- Ergonomic Reset Key
- Integral Short Circuit Isolator
- Continuity Link for Cable Insulation Testing

## Description

The Intelligent Manual Call Point is intended for indoor use and has been designed to operate on a loop of intelligent addressable fire detection devices. An alarm is initiated by pressing the resettable element. The manual call point signals to the Ampac fire control panel using an interrupt feature within the 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 reset key supplied.

## Protocol Compatibility

The Intelligent Manual Call Point will operate with the Ampac control panel using the digital XP95 or Discovery protocol which is switch selectable at the commissioning stage.

## Operating Principles

The address of each call point is set at commissioning stage by means of integral 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 Ampac fire control panel. When configured as a Discovery device, 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 detection loop cabling. The isolator operation is indicated by a solid yellow LED.

Installation time is reduced by use of a removable terminal block which fits neatly into the back of the manual call point.



Intelligent Manual Call Point

## Specifications

|                       |                              |
|-----------------------|------------------------------|
| Supply Voltage        | 17-35V DC                    |
| Quiescent Current     | 100µA at 24V DC              |
| Alarm Current         | 4mA at 24V DC                |
| Dimensions            | (H x W x D)                  |
| MCP                   | 90mm x 90mm x 26mm           |
| MCP inc back box      | 90mm x 90mm x 63mm           |
| Material              | Fire retardant polycarbonate |
| Operating Temperature | -40°C to +70°C               |
| Humidity              | 0 – 95% RH non-condensing    |
| EMC Directive         | 2004/108/EC                  |
| IP Rating             | 44 (indoor use)              |
| Weight                | 180g                         |

To provide additional protection against accidental operation, a transparent hinged cover is available which can be fitted to the Manual Call Point.

For further details on the isolator refer to PDS201-9001

## Item Numbers

|                        |                            |   |
|------------------------|----------------------------|---|
| LPCB<br>(EN54-11 & 17) | SAI Global<br>(AS 7240-11) |   |
| SA5900-908AMP          | 4105-2005                  | Intelligent Manual Call Point with Isolator |
| 44251-175              | 4105-2003                  | Transparent Cover                           |