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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Manual Call Point

Addressable - Devices

Part No. SA5900-908APO

www.illuminoignis.co.uk

Product Details

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 Apollo 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.



Key Features

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

Technical Specifications

All data is supplied subject to change without notice. Specifications are typical at 24V, 25°C and 50% RH unless otherwise stated.

Supply voltage	17 V – 35 V dc	
Digital Communications	XP95, Discovery and CoreProtocol compatible	
Modulation voltage	5 V – 13 V peak to peak	
Current Consumption (max) at 24 V dc	Power Up Surge (1s typical)	1 mA
	Quiescent	100 µA
	Alarm current (LED On)	4 mA
Operating temperature	-40 °C to +70 °C	
Humidity (no condensation or icing)	0% to 95% RH	
Vibration, impact and shock	EN 54-11:2001 (Red) and EN 54-17:2005	
IP Rating	IP44	
Standards	EN 54-11:2001, EN 54-17:2005	
Dimensions	90 mm height x 90 mm width x 63 mm depth	
Weight	180 g	
Material	Red flame-retardant polycarbonate	

All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsiblefor any omissions or errors.
The company reserves the right to change the specifications of products at any time and without prior notice.

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Operation

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.

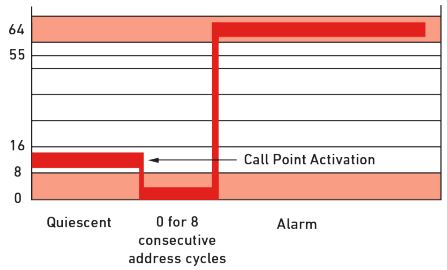
The Intelligent Manual Call Point incorporates a short circuit isolator which will ensure its operation in the event of a short circuit fault on the loop. Isolator operation is indicated by a solid yellow LED. For further details of the isolator refer to data sheet PP2090, available from www.apollo-fire.co.uk

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.

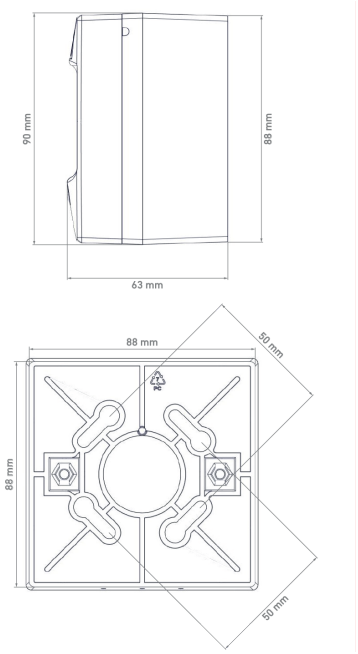
Protocol Usage

Output Bits	
2	Red LED
1	Electronic Self Test
0	Not Used
Interrupt	Yes
Analogue Value	
16	Quiescent
64	Alarm
4	General Fault
1	Switch Fault
Input Bits	
2	LED Confirmed
1	0=Alarm 1=Quiescent
0	1=Alarm 0= Quiescent
Flag Settings	
XP95 Flag	Yes
Alarm Flag	No

Intelligent MCP response characteristics analogue value (counts)



Intelligent Manual Call Point



EMC Directive 2014/30/EU

The Intelligent Manual Call Point complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this data sheet.

A copy of the Declaration of Conformity is available from Apollo on request.

Conformity of the Intelligent Manual Call Point with the EMC Directive does not confer compliance with the directive on any apparatus or systems connected to it.

Construction Products Regulation (EU) 305/2011

The Intelligent Manual Call Point complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

A copy of the Declaration of Performance is available from Apollo on request.

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