Intelligent
Manual Call Point



Product overview

Product	**Manual Call Point**
Part No.	**SA5900-908APO (Red)**
	SA5900-903APO (White)*
	SA5900-904APO (Yellow)*
	SA5900-905APO (Blue)*
	SA5900-906APO (Green)*
	SA5900-907APO (Orange)*
Native Protocol	**XP95, Discovery and CoreProtocol®**

Product information

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.

- 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

Manufacturer's Specification

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 - 28 V dc*
Digital Communications	*XP95, Discovery and CoreProtocol*
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*

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

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.

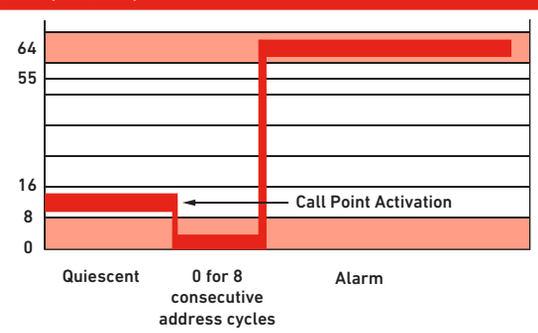
***Not LPCB Approved**

All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsible for any omissions

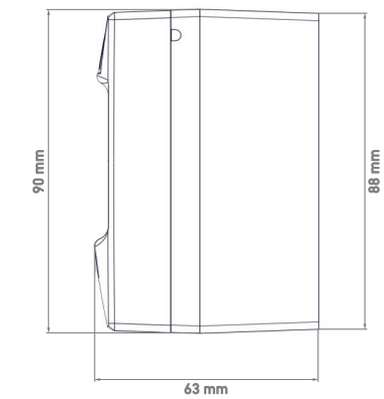
Protocol Usage

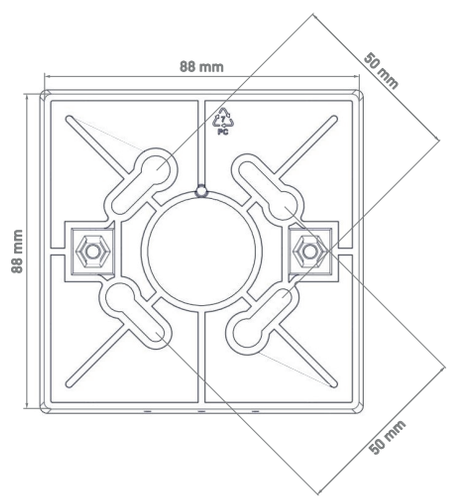
Output Bits	
2	*Red LED*
1	*Electronic Self Test*
0	*Not Used*
Interrupt	*Yes*
Analogue Value	
16	*Quiescent*
64	*Alarm*
4	*General Fault*
1	*Switch Fault*
Input Bits	
2	*LED Confirmed*
1	*0=Alarm 1=Quiescent*
0	*1=Alarm 0= Quiescent*
Flag Settings	
XP95 Flag	*Yes*
Alarm Flag	*No*

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 dœs 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.