Intelligent
Marine Manual Call Point

Supply voltage (Vmin–Vmax)	*17-35 V dc*
Digital Communications Protocol	*CoreProtocol®, Discovery & XP95 compatible 5-13 V Peak to Peak*
Current Consumption (max) at 24V 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 & EN 54-17*
Approvals & standards	*EN 54-11, EN 54-17, CPR, LPCB, ABS & MED*
Dimensions	*90 mm height x 90 mm width x 63 mm depth*
Weight	*180 g*

Product Overview

Product Type	**Manual Call Point**
Part No.	**SA5900-928MAR (Red)**
Digital Communication Protocol	**XP95®, Discovery® & CoreProtocol® compatible**

Product Information

The Intelligent Marine Manual Call Point (MCP) has been designed to operate on a loop of intelligent fire detection devices. An alarm is initiated by pressing the resettable element. The MCP signals to the Fire Control Panel using an interrupt feature within the Apollo Digital Communication Protocol (see Table 1). An alarm status is indicated through the rotation of the resettable element, displaying yellow and black indication bars and a solid red LED. The MCP can be easily reset from the front using the supplied reset key.

The Intelligent Marine MCP is intended for indoor marine and offshore applications and has a built in short circuit isolator.

- 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
- Continuity link for cable insulation testing
- Suitable for semi flush or surface mounting

Electrical Consideration

The Intelligent Marine MCP is loop powered and operates at 17-35 V dc for all variants.

Table 1 Digital communication protocol compatibility

Protocol	Device behaviour
XP95[†]	XP95
Discovery[†]	Discovery
CoreProtocol[†]	Soteria

[†] *Fire control panel dependant*

Mechanical Construction

The component parts of the call point are moulded in a robust fire retardant polycarbonate. Dimensions shown in Figure 1.

.

A HALMA COMPANY

© Apollo Fire Detectors Limited 2017

apollo

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 MCP. 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. Discovery and CoreProtocol configurable. Refer to Table 2 for the analogue values of quiescent & alarm states.

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

The Intelligent Marine MCP 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 on request.

This MCP 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 MCP.

Table 2 Analogue values

Value	Status
16	Quiescent
64	Alarm
4	General Fault
1	Switch Fault

EMC Directive 2014/30/EU

The Intelligent Marine MCP 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 Marine MCP with the EMC Directive does not confer compliance with the directive on any apparatus or systems connected to it.

Construction Products Regulation 305/2011

The Intelligent Marine MCP complies with the essential requirements of the Construction Products Regulation 305/2011.

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

Marine Equipment Directive 2014/90/EU

The Intelligent Marine MCP complies with the essential requirements of the Marine Equipment Directive 2014/90/EU.

Figure 1 Intelligent Marine Manual Call Point dimensional drawing