

Discovery Marine Manual Call Point



Product overview

Product	Marine Manual Call Point
Part No.	58100-970MAR
Product	Marine Manual Call Point with Isolator
Part No.	58100-971MAR
Digital Communication	XP95, Discovery and CoreProtocol® compatible

Product information

The Discovery Marine Manual Call Points (MCP) have been designed for use in marine and offshore environments.

- Resettable operating element
- Easy access, front reset mechanism
- Ergonomic reset key and keyring hole
- Front facing accessible addressing for commissioning
- E-Z fit first fix terminals for installation (indoor only)
- Flashing polling LED option
- EN 54 -11 and EN 54-17 Certified
- 170° viewable LED indicator

Manufacturer Specification

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

Call point type	Deformable element
Call point principle	Operation of a switch
Alarm indicator	Red light emitting diode (LED)
Fault indicator	Amber/Yellow LEDs
Supply wiring	Two-wire supply, polarity sensitive
Loop connections	Terminal block L1 -ve/L2 +ve
Digital communication	XP95, Discovery and CoreProtocol compatible
Supply voltage	17 - 28 V dc
Quiescent current	100 µA
Power up surge	1 mA
Maximum power-up time	One second
Alarm current, LED illuminated	4 mA
Normal analogue value	16
Alarm state value	64
Operating temperature	-20°C to +60°C
Storage temperature	-30°C to +70°C
Humidity (no condensing or icing)	0% to 95% RH
Standards and approvals	EN 54-11, EN 54-17 (isolated version) MED, DNV-GL, ABS, VNIPO, CCS
IP rating	designed to IP24D IP 22 (58100-971)
Dimensions	89 mm wide x 93 mm high x 59.5 mm depth
Weight	Flush mounted 110g Surface mounted 160g
Materials	Housing: Red self-coloured polycarbonate/ABS

Operation

If an MCP is activated, it interrupts the normal protocol to give a fast response.

A single bi-coloured alarm LED is provided on the MCP. This LED is controlled, independently of the call point, by the control panel and may be set to flash each time the call point is polled. The red LED is illuminated when the call point has been activated and sent into alarm. On the isolated version an amber/yellow LED indicates a short-circuit on the loop wiring either side of the call point.

MCPs can be remotely tested from the panel by transmission of a single bit in the communications protocol. MCPs respond by providing a value of 64 which corresponds to the alarm value. The panel should recognise this response as a test signal and should not raise a general alarm.

Discovery Marine MCPs are available with or without an isolator. Each version is available with a resettable element and a back box for surface mounting as standard. If a glass option is required, spare glasses are available on request.

For ease of installation Discovery Marine MCPs are supplied with clip-on terminal blocks and a connector which enables continuity testing before call points are commissioned.

To provide additional protection against accidental operation, a transparent hinged cover with a locking tag is available for fitting to the MCP.

Note: The Discovery Manual MCP does not conform to EN 54-11 when the hinged lid and locking tag are fitted.

Addressing

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

EMC Directive 2014/30/EU

The Discovery Marine 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.

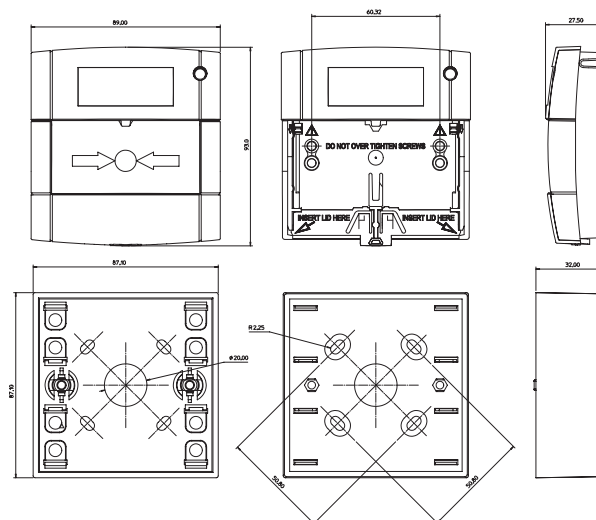
A copy of the Declaration of Conformity is available from the Apollo website: www.apollo-fire.co.uk

Conformity of the Discovery Marine Manual Call Point with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to them.

Marine Equipment Directive 2014/90/EU

The Discovery Marine Manual Call Point complies with the essential requirements of the Marine Equipment Directive 2014/90/EU.

Discovery Marine Manual Call point dimensions



Discovery Marine Manual Call Point accessories

Product	Hinged cover and locking tag
Part No.	26729-152
Product	Locking tags (pack of 5)
Part No.	26729-179
Product	Discovery glass panels (pack of 5)
Part No.	26729-155