

# Discovery Marine Manual Call Point



## Technical Data

All data is supplied subject to change without notice. Specifications are typical at 24V, 23°C, and 50% RH unless otherwise stated.

|  |  |
|--|--|
| <i>Call point type</i>                   | <i>Deformable element</i>  |
| <i>Call point principle</i>              | <i>Operation of a switch</i>   |
| <i>Alarm indicator</i>                   | <i>Red light emitting diode (LED)</i>  |
| <i>Fault indicator</i>                   | <i>Amber/Yellow LEDs</i>   |
| <i>Supply wiring</i>                     | <i>Two-wire supply, polarity sensitive</i>   |
| <i>Loop connections</i>                  | <i>Terminal block L1 -ve/L2 +ve</i>  |
| <i>Digital communication</i>             | <i>XP95, Discovery and CoreProtocol compatible</i>                                   |
| <i>Supply voltage</i>                    | <i>17 - 28 V dc</i>  |
| <i>Quiescent current</i>                 | <i>100 µA</i>  |
| <i>Power up surge</i>                    | <i>1 mA</i>  |
| <i>Maximum power-up time</i>             | <i>One second</i>  |
| <i>Alarm current, LED illuminated</i>    | <i>4 mA</i>  |
| <i>Normal analogue value</i>             | <i>16</i>  |
| <i>Alarm state value</i>                 | <i>64</i>  |
| <i>Operating temperature</i>             | <i>-20°C to +60°C</i>  |
| <i>Storage temperature</i>               | <i>-30°C to +70°C</i>  |
| <i>Humidity (no condensing or icing)</i> | <i>0% to 95% RH</i>  |
| <i>Standards and approvals</i>           | <i>EN 54-11,<br/>EN 54-17 (isolated version)<br/>MED, DNV-GL, ABS, CCS and VNIPO</i> |
| <i>IP rating</i>                         | <i>designed to IP24D</i>   |
| <i>Dimensions</i>                        | <i>89 mm wide x 93 mm high x<br/>25 mm depth</i>                                     |
| <i>Weight</i>                            |  |
|  | <i>Flush mounted 110g</i>  |
|  | <i>Surface mounted 160g</i>  |
| <i>Materials</i>                         | <i>Housing: Red self-coloured polycarbonate/ABS</i>                                  |

## 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.

## Product overview

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

## Approvals

|                       |  |  |  |
|-----------------------|--|--|--|
| Part No. 58100-970MAR |  |  |  |
|                       |  |  |  |
| Part No. 58100-971MAR |  |  |  |
|                       |  |  |  |

## 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

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](http://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.

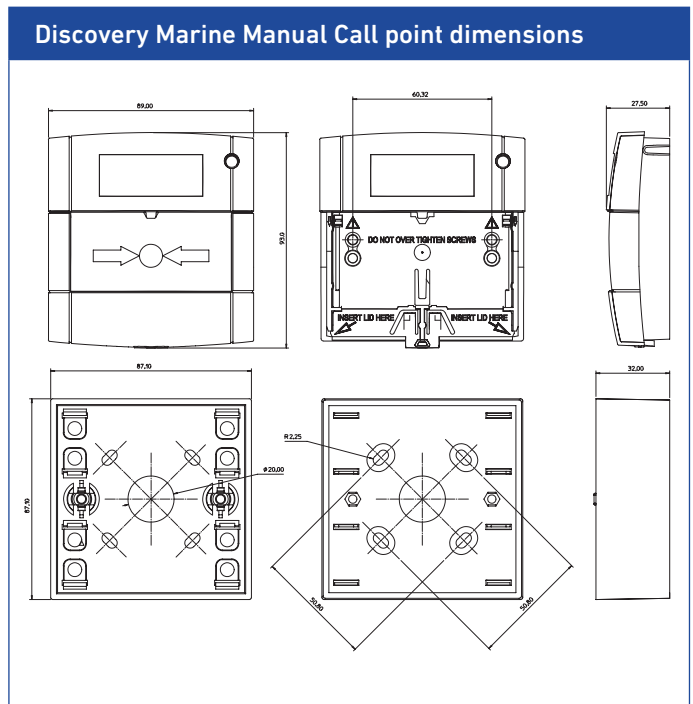
### Construction Products Regulation 305/2011/EU

The Discovery Marine Manual Call Point complies with the essential requirements of the Construction Products Regulation 305/2011/EU.

A copy of the Declaration of Performance is available from the Apollo website: [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk)

### 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 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                          |