



Discovery[®] Marine Manual Call Point

FUNCTION

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 by a yellow and black bar in the lower section of the resettable element and a red LED. The Manual Call Point can be easily reset from the front using the supplied reset key.

The Discovery Marine Manual Call Points has been designed for use in marine and offshore environments and are available in two versions for indoor and outdoor applications. Both versions are available with and without short circuit isolators.

FEATURES

This product offers:

- Resettable operating element
- Easy access, front reset mechanism
- Front facing accessible addressing for commissioning
- E-Z fit first fix terminals for installation (Indoor only)



Part no 58200-971MAR - Discovery Marine with Isolator (Indoor only, outdoor version not shown)

- Ergonomic reset key and keyring hole
- Flashing Poling LED Option
- EN54-11 and EN54-17 certified (where an isolator is present)
- 170° viewable LED indicator

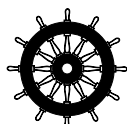
PROTOCOL COMPATIBILITY

The Discovery Marine Manual Call Points will operate only with compatible control equipment using the Apollo digital protocol.



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Assessed to ISO 9001:2008
LPCB Cert No. 010



Certificate No. 010
See www.RedBookLive.com



Assessed to ISO 14001:2004
Certificate number EMS 010

Overseas offices: America China Germany

ELECTRICAL CONSIDERATION

The Discovery Marine Manual Call Point is loop powered and operates at 17-28V DC for all variants.

MECHANICAL CONSTRUCTION

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

OPERATING PRINCIPLES

The address of each call point is set at the commissioning stage by means of a seven-segment DIL switch. On the indoor versions, the address switch is accessible without removing the call point from the mounting surface.

A red alarm LED is provided on the call point. This LED is controlled independently of the call point, by the control panel.

This Manual Call Point helps reduce installation time as all the initial installation cabling is wired to a terminal block which fits neatly in the back of the call point.

Once activated, the Discovery Marine 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.

EMC DIRECTIVE 2004/108/EC

The Manual Call Point complies with the essential requirements of the EMC Directive 2004/108/EC, 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 Manual Call Point with the EMC Directive does not confer compliance with the directive on any apparatus or systems connected to it.

MARINE EQUIPMENT DIRECTIVE 96/98/EC

The Manual Call Point complies with the essential requirements of the Marine Equipment Directive 96/98/EC.

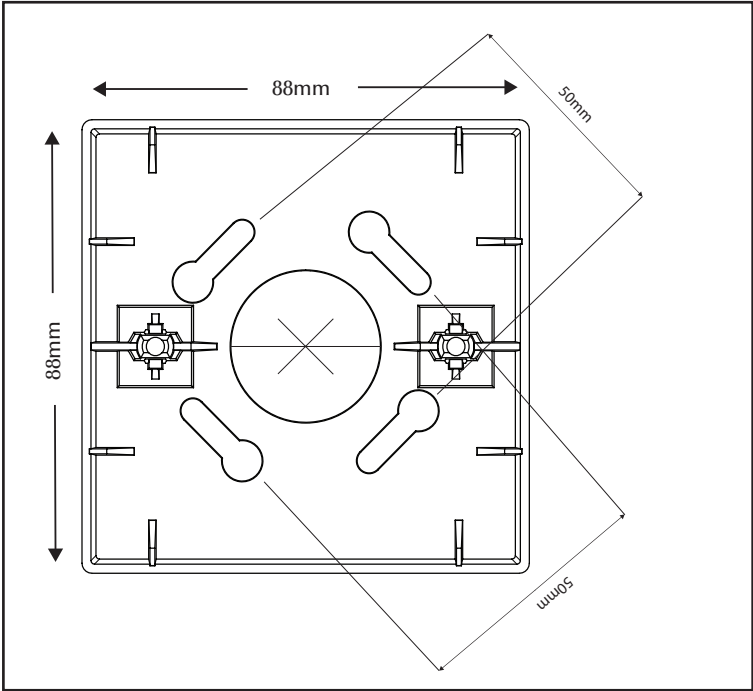
TECHNICAL DATA

Supply voltage	17-28V DC
Communications Protocol	Discovery
	5 - 9V Peak to Peak
Operating temperature	
	-20°C to +70°C (Indoor)
	-30°C to +70°C (Outdoor)
Humidity (no condensation or icing)	0-95%
Alarm (LED on)	4mA
IP rating (indoor)	45
(outdoor)	67
Current Consumption (max) at 24V DC	
Quiescent	100µA
Power Up Surge (1s typical)	1mA
Complies with EMC Directive 2004/108/EC	
Red version complies with EN54-11:2001	

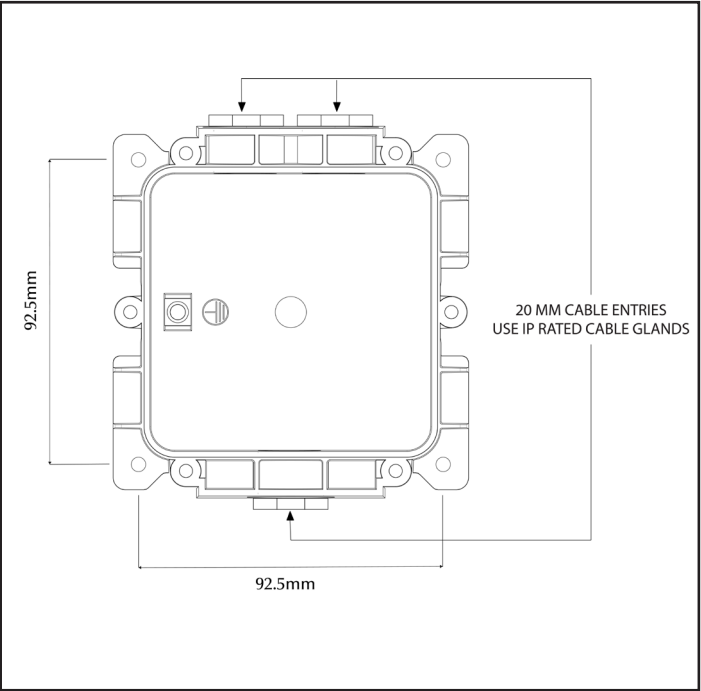
DIMENSIONS AND WEIGHT

Part no	Description	Dimension & Weight
58200-970	Discovery Marine MCP Red	88mm x 88mm x 59mm 165g
58200-971	Discovery Marine MCP with Isolator Red	88mm x 88mm x 59mm 165g
58200-975MAR	Discovery Marine Waterproof MCP Red	110mm x 110mm x 74mm 324g
58200-976MAR	Discovery Marine Waterproof MCP with isolator Red	110mmx 110mm x 74mm 324g

DIMENSIONAL DRAWING (INDOOR VERSION)



DIMENSIONAL DRAWING (OUTDOOR VERSION)



PROTOCOL USAGE

Output Bits	
2	Switch on Integral Red LED
1	Electronic Self Test
0	Not Used
Interrupt	Yes
Analogue Values	
16	Quiescent
64	Alarm
Input Bits	
2	LED Confirmed
1	0=Alarm 1=Quiescent
0	1=Alarm 0=Quiescent
Flag Setting	
XP95 Flag	Yes
Alarm Flag	No

