



Discovery Waterproof Manual Call Point

FUNCTION

The Discovery Waterproof Manual Call Point has been designed to operate on a loop of intelligent fire detection devices and when activated interrupts the polling cycle for a very fast response.

FEATURES

The MCP has a waterproof IP67 rating and is intended for outdoor applications or those where water and dirt are a problem. It is available in two versions, both with and without isolator.

The Discovery Waterproof Manual Call Point has an easily resettable element rather than a break glass.

It also features a unique 'Plug and Play' installation concept designed specifically to reduce installation time. The call point utilises a terminal block, where all installation cabling is terminated.

The Discovery Waterproof Manual Call Point is approved to EN54-11.

ELECTRICAL CONSIDERATIONS

The Discovery Waterproof Manual Call Point is loop powered and operates at 17–28V DC.

PROTOCOL COMPATIBILITY

The Discovery Waterproof Manual Call Point will operate only with control equipment using the Apollo Discovery digital protocol.



Part nos 58100-950 (red, non-isolated)
 58100-951 (red, isolated)
 58100-953 (yellow, isolated)
 58000-975MAR (red, non-isolated)
 58000-976MAR (red, isolated)

MECHANICAL CONSTRUCTION

The component parts of the call points are moulded in polycarbonate or ABS, depending on their function.

DIMENSIONS AND WEIGHT

| | |
|----------------------|------|
| 93mm x 97.5mm x 71mm | 240g |
| Cable gland size | M20 |



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OPERATING PRINCIPLES

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

A single bi-coloured alarm LED is provided on the call point. This LED is controlled independently of the call point, by the control panel. The LED is illuminated red when the call point has been activated. The LED is illuminated amber/yellow LED to indicate a short circuit.

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 Waterproof Manual Call Point can be reset by inserting the test key into the bottom of the unit until the key clicks into position. Remove the test key and push the front cover up until it clicks home.

The isolated version of the Discovery Waterproof Manual Call Point incorporates a short circuit isolator which will ensure its operation in the event of a short circuit fault on the loop. Full details of the isolator can be found in the PIN Sheet PP2090, available on request.

TECHNICAL DATA

| | |
|--|----------------------|
| Supply voltage | 17–28V DC |
| Communications protocol | 5–9V peak to peak |
| Maximum current consumption, at 24V | |
| quiescent | 100µA |
| power-up surge, 1 second typical | 1mA |
| alarm LED on | 4mA |
| Operating temperature | –30°C to +70°C |
| Humidity (no condensation) | 0–95%RH |
| IP rating | 67 |
| Complies with EMC Directive 2004/108/EC | |
| Complies with EN54–11:2001 and EN54–17:2005 (isolated version) | |

EMC DIRECTIVE 2004/108/EC

The Discovery Waterproof Manual Call Point complies with the essential requirements of the EMC Directive 2004/108/EC, provided that it is used as described in this PIN sheet.

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

Conformity of the Discovery Waterproof Manual Call Point with the EMC Directive does not confer compliance with the directive on any apparatus or systems connected to it

DIMENSIONAL DRAWING

