

Discovery

Manual Call Point



Product overview

Product	Discovery Manual Call Point
Part No.	58100-910
Product	Discovery Manual Call Point with Isolator
Part No.	58100-908
Digital Communication	Discovery (XP95 and CoreProtocol® compatible)

Product information

The Discovery Manual Call Point (MCP) is designed to operate on a loop of intelligent fire detection devices. When activated it interrupts the polling cycle for a very fast response.

- 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: 2005 certified
- 170° viewable LED indicator

Technical data

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 LED
Supply wiring	Two-wire supply, polarity sensitive
Loop connections	Terminal block L1 -ve/L2 +ve
Supply voltage	17 - 28 V dc
Quiescent current	100 µA
Power up surge	1 mA
Maximum power-up time	One second
Communications protocol	Discovery (XP95 and CoreProtocol compatible)
Modulation voltage	5 - 9 V peak to peak
Alarm current, LED illuminated	4 mA
Normal analogue value	16
Alarm state value	64
Operating temperature	-20°C to 60°C
Humidity (no condensing or icing)	0% to 95% RH
Standards and approvals	EN 54-11, EN 54-17: 2005 (isolated version) CPR, LPCB
IP rating	IP24D
Dimensions	89 mm wide x 93 mm high x 59.5 mm depth
Weight	110 g (flush mounted) 160 g (surface mounted)
Materials	Flame-retardant polycarbonate

Operation

The address of each Discovery MCP is set at the commissioning stage by means of a seven-segment DIL switch. If a MCP is activated, it interrupts the normal protocol to give a fast response.

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 and may be set to flash each time the call point is polled. The red LED is lit when the call point has been activated and sent into alarm. On the isolated versions an amber/yellow LED indicates a short-circuit on the loop wiring either side of the call point.

Call points can be remotely tested from the panel by transmission of a single bit in the communications protocol. Call points 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 MCPs are available with or without an isolator. Each version is available with a resettable element and a backbox for surface mounting as standard. If a glass option is required, spare glasses are available on request.

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

To provide additional protection against accidental operation, a transparent hinged cover with a locking tag is available, which can be fitted to the MCP. Please note that the call point does not conform to EN54-11 when this lid is fitted and secured with the locking tag.

EMC Directive 2014/30/EU

The Discovery MCP complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

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

Conformity of the Discovery MCP 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 MCP 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

Discovery Manual Call Point accessories

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