NC-MC-IP-100-R

Intelligent conventional weatherproof manual call point, 100 Ω (red)

General

The NC-MC-IP-100-R is a red weatherproof IP67 rated manual call point suitable for outdoor applications. It is supplied with a matching weatherproof back box with sealing blanking screws to prevent water ingress into unused cable entry holes, and a sealing cable grommet to similarly protect the cable entry.

The call point offers one normally open contact in series with a 100 Ω resitor, as well as a single pole, changeover contact with common, normally open and normally closed connections. It is supplied with a EN54 style resettable element, pluggable connectors for both contacts, a handy wire bridge to help with cable continuity testing, as well as a test key that doubles up as a service tool for disassembly of the device.

Installation

Installation time and installation flexibility are of paramount importance. The KGS MCP range directly meets these needs by providing features designed specifically for this. Pluggable terminal blocks facilitate the pre-connection of all cables. This terminal block is then simply connected to the MCP. Should continuity testing be needed, the handy wire bridge fits neatly into the terminal block in place of the MCP without having to disconnect any cables.

For service and maintenance no additional tools other than the test key is needed. With easy front access in all installations and even with the protection cover fitted, the test key is also used to remove the front cover of the unit should a frangible element need to be replaced.

Options

Both break glass (frangible elements) and re-settable operating elements may be used. The MCP can be configured as either a break glass or re-settable unit by simply changing from one element to another. Other than the optional frangible element, no additional parts are required. Other parts and accessories include flip covers, metal test keys and replacement parts.

This range of manual call points is available in various colours with various trigger resistor options to suit most applications. In addition various function markings are available including regional language variants.



Details

- Specifically designed for manual fire alarm activation
- Alarm indication by alarm flag and alarm LED
- Enhanced aesthetics with screen printed, high resolution functional marking
- Resettable and also usable with an optional frangible element
- Easy to install (plug and play)
- Protection hinged cover with anti-tamper facilities available for avoiding accidental activation
- Key test facility from the front of the unit for easy access, even when a protection cover is fitted
- Easy service and maintenance with test key disassembly and pluggable connectors

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Technical specifications

General

Status indication	LED & alarm flag
Compatibility	Conventional alarm systems
Connectivity	2-wire zone

Electrical

Power supply type	Zone powered
Operating voltage	18 to 24 VDC
Current consumption	0 mA (Standby) 45 mA (Alarm)
Cable specification	0.404 to 2.05 mm (0.13 to 3.31 mm²)
No. of cable cores	2
Terminals	7

Detection

Detection principle	Manual activation
Monitoring	Activated, Off
Coverage area	Region specific
Zone length	<2 km, CIE specific
Response time	< 3 s
Installation height	Determined by local regulation

Output

Output quantity	2
Output type and rating	1 x NO resistor limited, 1 x change over relay 1 A @ 24 VDC

Physical

Physical dimensions	108 x 108 x 68 mm (W x H x D)
Net weight	305 g
Colour	Red (RAL 3028)
Mounting type	Back box, Wall mount
Cable entries	1 × threaded MK20 (Top or bottom), 2 × threaded MK20 (Bottom or top)
Material (body)	Flame retardent ABS
Functional marking	House on fire

Environmental

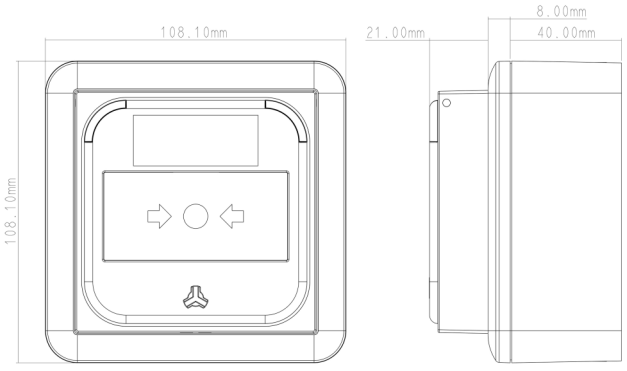
Vandal proof	No
Operating temperature	-25 to +70°C
Storage temperature	-25 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor, Outdoor
IP rating	IP67

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-11

Compatible products

Category	Reference	Description
Detection device	N-MC-FC	MCP accessory, intelligent Manual Call Point flip cover
Detection device	N-MC-FE	MCP accessory, intelligent manual call point frangible element



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