KE-DM3010R-KIT

Excellence Series intelligent surface mount addressable manual call point with back box

Product overview

The KE-DM3000 Series is an intelligent range of addressable, Excellence Series manual call points. The KE-DM3010R-KIT is a red, single action indoor MCP with a House-on-Fire functional indicator. It is delivered complete with back box, resettable element, test connector and test key. Multiple optional accessories are available to facilitate most indoor installation requirements.

Aesthetics

This single action MCP is a standard profile, indoor MCP suitable for surface and recess mount installations using standard or legacy European electrical boxes. With its designer dual, tricolour LEDs it offers 180°, clear local indication of its operational status, even from a side view in a passage installation. The clean face of the MCP is further enhanced by a front access & test key facility.

Installation & maintenance friendly

The front facing access for an aesthetically matching test key allows unhindered access regardless of the installation location. The MCP key doubles as a test and disassembly tool allowing removal of the MCP front cover without the need for additional tools.

Compatibility

The KE-DM3000 range may be used on all Kidde Excellence Series fire systems, and are also compatible with legacy Aritech fire systems. They can in many cases be deployed into existing systems without CIE configuration changes.

Details

- Reliable single action manual call point for surface mounting
- Dual, tri-colour status indicators offers 180° alarm visibility
- Tamper resistant design with resettable or frangible element
- Unobtrusive front facing test facility
- Standard mounting options facilitates easy retrofitting to existing installations
- Back box with rear, top and bottom cable entry
- Screen connection terminal in the back box for electrically noisy installations
- Pluggable connector with link through facility for ease of installation and pre-commissioning testing
- An alarm flag on the face of the manual call point allows alarm indication even without alarm LEDs
- Fast, no-tools-required maintenance using the test key
- Up to 128 devices supported per loop

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Technical specifications

General

Status indication	Dual LEDs, Alarm (red constant), Isolated (yellow constant), Fault (yellow blinking), Communication (green blinking)
User interface	LEDs, Alarm Flag
Compatibility	Excellence and legacy Aritech series fire systems
Connectivity	2-wire loop
Addressing method	DIP Switches

Electrical

Power supply type	Loop powered
Operating voltage	17 to 29 VDC
Communication voltage	4 to 11 V pulsed
Current consumption	180 µA (quiescent) 2.8 mA (alarm)
Cable specification	0.404 to 2.05 mm
No. of cable cores	2
Terminals	4 (A+/A-;B+/B-)

Detection

Detection principle	Push button/switch
Monitoring	Activated, Fault, Off
Response time	< 3 s
Installation height	Determined by local regulation

Physical

Physical dimensions	87 x 87 x 26 mm (without back box) 87 x 87 x 57 mm (with back box)
Net weight	110 g (without back box) 170 g (with back box)
Colour	Red (RAL 3028)
Mounting type	Back box, Wall mount
Cable entries	4 (3 side, 1 rear)
Material (body)	Flame retardent ABS
Functional marking	House on Fire

Environmental

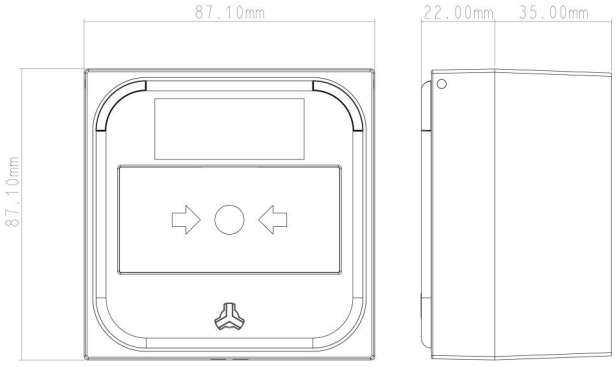
Vandal proof	No
Operating temperature	−25 to +72°C
Storage temperature	−25 to +72°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP41

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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