

# KE-DM3110RS27

# Excellence Series intelligent addressable manual call point w/ isolator

#### General

The KE-DM3100 Series is an intelligent range of addressable, Excellence Series manual call points with integrated isolation. The KE-DM3110RS27 is a red, single action indoor MCP with a House-on-Fire and English "FIRE" functional indicator. It is delivered complete with 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 flush 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 that allows access to the back box and cabling, making additional fasting screw holes obsolete.

# **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 recess or surface mounting
- Integrated short circuit isolation for added safety
- 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 38 VDC	
Current consumption	200 μA (Quiescent)	
	2.8 mA (Alarm)	
Cable specification	0.404 to 2.05 mm (0.13 to 3.31 mm <sup>2</sup> )	

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Terminals

No. of cable cores

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

4 (A+/A-;B+/B-)

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## Isolation

Туре	Negative line break	
Quantity per loop	≤ 128	
Isolation voltage	14 to 15.5 VDC	
Reconnect voltage	14 to 15.5 VDC	
Loop current	1 A (Continuous)	
Switch current	1 A (Pulsed)	
Leakage current < 1 mA		
Series resistance	< 0.06 Ω	
Impedance requireme	ents < 32 devices between isolators	

# **Physical**

Physical dimensions	$87 \times 87 \times 26$ mm (w/o back box)	
	$87 \times 87 \times 57$ mm (w/ back box)	
Net weight	110 g (w/o back box)	
	165 g (w/ back box)	
Colour	Red (RAL 3028)	
Mounting type	Back box, Wall mount	
Material (body)	Flame retardent ABS	
Functional marking	House on Fire, FIRE	

## **Environmental**

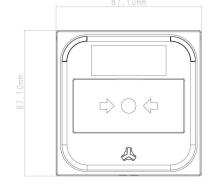
Vandal proof	No	
Operating temperature	-25 to +72°C	
Storage temperature	−25 to +72°C	
Relative humidity	10 to 95% noncondensing	
Environment	Indoor	
IP rating	IP41	

# Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE	
Certification	CPR	
Standards	EN54:11, EN54:17	

## **Compatible products**

Category	Reference	Description
Detection	N-MC-AFM-R	Intelligent MCP accessory, flush mount
device		adaptor, red
Detection	N-MC-BB-R	MCP accessory, intelligent manual call
device		point back box, red
Detection	N-MC-FC	MCP accessory, intelligent Manual Call
device		Point flip cover
Detection	N-MC-FE	MCP accessory, intelligent manual call
device		point frangible element
Detection	N-MC-S-R	Intelligent MCP accessory - trim skirt -
device		red







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