

KE-DM3110US99

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-DM3110US99 is a blue, single action indoor MCP with an English "EVACUATION ALARM" 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

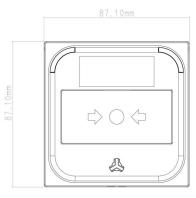
General		
Status indication	Dual LEDs	
	Alarm (Red Constant)	
	Isolated (Yellow Constant) Fault (Yellow Blinking)	
	Communication (Green Blinking)	
User interface	LEDs, alarm flag	
Compatibility	Excellence and legacy Aritech series fire system	
Connectivity	2-wire loop	
Addressing method	DIP Switches	
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 ²)	
No. of cable cores	2	
Terminals	4 (A+/A-;B+/B-)	
Detection		
Detection principle	Push button/switch	
Monitoring	Activated, Fault, Off, Short circuit	
Response time	< 3 s	
Installation height	Determined by local regulation	
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 requirement	s< 32 devices between isolators	
Physical		
Physical dimensions	87 × 87 × 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	Blue (RAL 5005)	
Mounting type	Back box, Wall mount	
Material (body)	Flame retardent ABS	
Functional marking	EVACUATION ALARM	
Environmental		
Vandal proof	No	
Operating temperature	-25 to +72°C	
Storage temperature	-25 to +72°C	
Relative humidity	10 to 95% noncondensing	
Environment	Indoor	
rating IP41		

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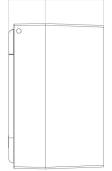
Compliancy	CE, REACH, RoHS 3, WEEE	
Certification	CE	
Standards	EN54:17	

Compatible products

Category	Reference	Description
Detection device	N-MC-BB-U	MCP accessory, intelligent manual call point back box, blue
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









As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.