# KE-DM3010US99

## Excellence Series intelligent addressable manual call point

### General

The DM3000 Series is an intelligent range of addressable manual call points. The DM3010US99 is a blue, single action indoor MCP with an "EVACUATION ALARM" functional indication. 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 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 DM3000 range may be used on compatible 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
- 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),<br>Isolated (yellow constant),<br>Fault (yellow blinking),<br>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)<br>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 (w/o back box)<br>87 x 87 x 57 mm (w/ back box) |
| Net weight | 110 g (w/o back box)<br>170 g (w/ back box) |
| Colour | Blue (RAL 5005) |
| Mounting type | Back box, Wall mount |
| Material (body) | Flame retardent ABS |
| Functional marking | EVACUATION ALARM |

### Environmental

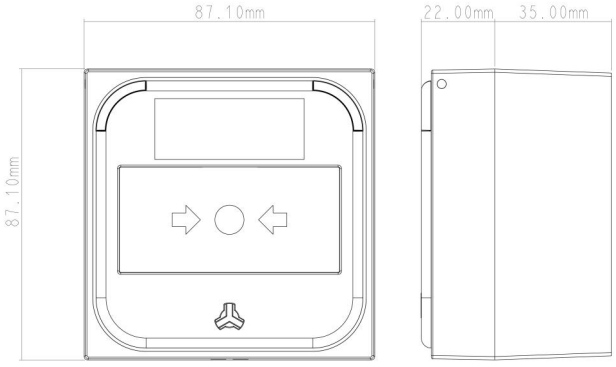
| | |
|---|---|
| Vandal proof | No |
| Operating temperature | −25 to +72°C |
| Storage temperature | −25 to +72°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP41 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | CE |

### 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 |




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Last updated on 11 August 2026 - 14:24