# KE-DM3110RSCH

**Excellence Series intelligent addressable manual call point w/ isolator**

## General

The DM3100 Series is an intelligent range of addressable manual call points with integrated isolation. The DM3110RSCH is a red, single action indoor MCP with a House-on-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 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 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 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
- 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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## Excellence Series intelligent addressable manual call point w/ isolator

## Technical specifications

### General

| | |
|---|---|
| Status indication | Dual LEDs<br>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 | 200 µA (Quiescent)<br>2.8 mA (Alarm) |
| Cable specification | 0.404 to 2.05 mm (0.13 to 3.31 mm²) |
| 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

| | |
|---|---|
| Type | 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 requirements | < 32 devices between isolators |

### Physical

| | |
|---|---|
| Physical dimensions | 87 × 87 × 26 mm (w/o back box)<br>87 × 87× 57 mm (w/ back box) |
| Net weight | 110 g (w/o back box)<br>165 g (w/ back box) |
| Colour | Red (RAL 3028) |
| Mounting type | Back box, Recessed mount, Wall mount |
| Material (body) | Flame retardent ABS |
| Functional marking | House on Fire |

### Environmental

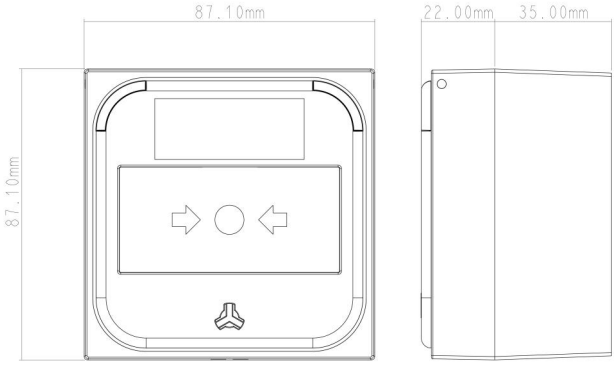
| | |
|---|---|
| Vandal proof | No |
| Operating temperature | −25 to +72°C |
| Storage temperature | −25 to +72°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP41 |

### Regulatory

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

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | N-MC-AFM-R | Intelligent MCP accessory, flush mount adaptor, red |
| Detection device | N-MC-BB-R | MCP accessory, intelligent manual call point back box, red |
| 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 |
| Detection device | N-MC-S-R | Intelligent MCP accessory - trim skirt - red |




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