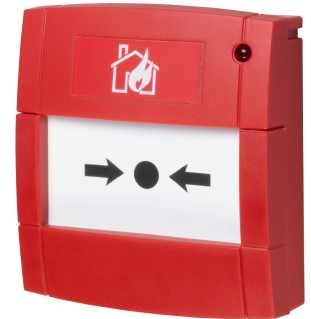# European style radio manual call point
Model M400DKMR-AS (red)

Overview

Features

- Up to 98 radio call points, each with their own unique address, can be added to an addressable system

- Interfaced to the loop via the Analogue Gateway module, compatible with Series 500 protocol

- Communicates across 24 bi-directional channels in total, 20 x 75kHz channels at 434MHz with 75kHz separation and 4 x 75kHz channels at 868MHz with 150kHz separation.

- 300m range in free air

- Internally powered by 2 x 3V lithium batteries

- 2 year battery life

- Fault, tamper and low battery warning signals

- Low battery alert gives 90 days normal operation before the batteries need to be changed

- Conforms to EN54-11

- Complies to the R+TTE Directive 1999/5/EC.

- EN300 220-1 V1.3.1 (2000-09) & EN300 220-3 V1.3.1 (2000-09)

Description

The German radio Manual Call Point is powered by a 2 x 3V lithium battery pack. On activation it immediately transmits its alarm status to the Analogue Gateway, repeating every 10 seconds until acknowledged. In alarm condition, the red alarm LED on the detector will be set on until reset.
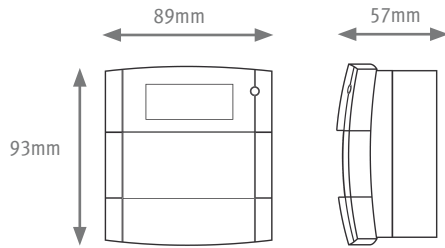
When the battery voltage falls below 5.1V, a "low battery" alert is transmitted; the contractor will have 90 days to change the 2 x 3V lithium batteries.

The Manual Call Point will appear as a module on the loop. Up to 98 radio call points can be managed from a single translator module.

Communicating across 24 bi-directional channels in total, 20 x 75kHz channels at 434MHz with 75kHz separation and 4 x 75kHz channels at 868MHz with 150kHz separation. The system complies to the R+TTE directive 199/5/EC. Automatic frequency and channel changing through channel monitoring guarantees robust communications between the module and devices.

System Sensor®

Architect/Engineer Specifications

CONVENTIONAL RADIO PANEL

89mm   57mm

93mm

Electrical Specifications

Operating Voltage	36Vdc (internal batteries)

Environmental Specifications

Application Temperature Range	-0°C to +40°C
Humidity	10 to 93% (non-condensing)
IP rating	IP34

Mechanical Information

Height	125mm
Width	36mm
Depth	125mm
Weight	195g (excluding batteries)

Radio Properties

Frequenmcy Band	434MHz & 868MHz
Max Transmitted Power	10mW
Maximum Linear Range	300m in free air
Channel Width	75kHz
Channel Seperation	75kHz in 434 band & 150kHz in 868 band
Number of Channels	20 in 434MHz band & 4 in 868MHz band

Local LED Indicators

Indication	Fire

Product Range

M400RFE-AS	Conventional Panel
M500RFE-AS	Analogue Gateway
MCPRFE-AS	European style manual call point
M400DKMR-AS	Double Action German Call Point - Red
M400DKMB-AS	Double Action German Call Point – Blue

Installation Recommendations

Installation should be undertaken in accordance with recognised national or international standards and codes of practice.
We would also recommend that simulated fire tests are conducted to ensure that the desired response time for a given installation are met.

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Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.