

M300K-A

Manual Call Point

Description

M300k-A manual call point is an indoor type device designed to provide a manual interface for raising an alarm on the fire alarm system. When the fire occurs, press the black dot on the operation panel to return the fire alarm information to the controller. Using SLC communication, electronic address programming, occupying one address, built-in telephone jack and mixed addressing, making installation and commissioning more convenient.

Features

- Resettable operating element.
- Easy access, front reset mechanism.
- Ergonomic reset key.
- Suitable for semi-flush or surface mounting.
- 170° viewable LED.
- Soft addressing: the device address can be set by programmer.

Specifications

Supply Voltage (Vmin-Vmax): 17- 28V DC.

Communication Protocol Voltage: 5-9 V peak to peak.

Power Supply: Loop power.

Quiescent Current: 500µA (rated voltage: 24VDC).

Alarm Current (LED On): 1.5mA (rated voltage: 24VDC).

TEL Maximum Current: 0.25mA (rated voltage: 24VDC).

Type of the MCP: Type A.

Environment Category: Indoor use only.

Operating Temperature: -40°C ~ 70°C (except for telephone jack).

Humidity: 0% - 95%RH (non-condensing).

IP Rating: IP44 (except for telephone jack).

Dimensions: 90mm length × 31mm width × 90mm height.

Weight: 110g.

Standard: GB19880-2005 & EN54-11:2001/A1:2005.

Approvals: CCCF & UL.

CCC-Mark & UL-EU-Mark.



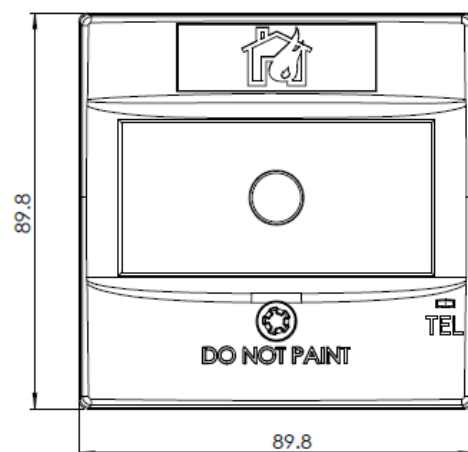
Terminal

The terminal L1, L2 is for connecting the loop wire.

The terminal T+, T- is for connecting the telephone wire.

- L- is "Loop -"
- L+ is "Loop +"
- T+ is for connecting the "Telephone +"
- T- is for connecting the "Telephone -"

Dimensional Drawing



Operating Principles

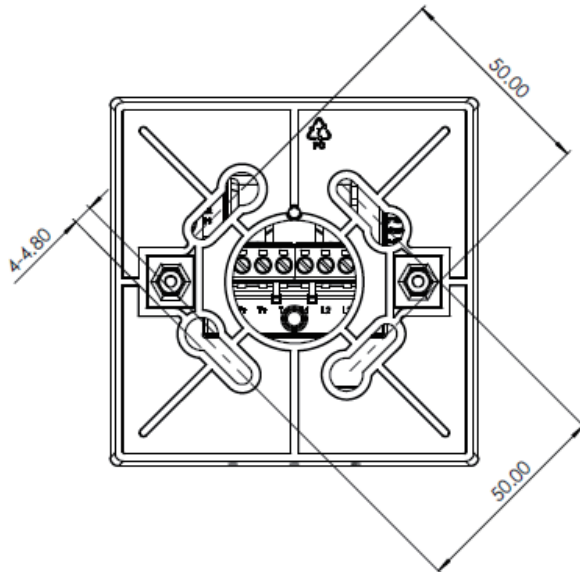
The address of each Manual Call Point is set at the commissioning stage by programmer.

Manual Call Point has an integral red LED indicator, which can be illuminated at any time by the fire control panel to indicate Manual Call Point in alarm. A flashing LED mode can also be programmed to activate each time the device is polled.

A solid green telephone LED (TEL) is provided on the Manual Call Point. The LED is flashing when the telephone DC 24V is available.

Once activated, the Manual Call Point can be reset by inserting the reset key into the front facing LED, turning clockwise until a positive click and reset occurs.

This Manual Call Point helps reduce installation time as all the initial installation cabling is wired to a removable terminal block which fits neatly in the back of the Manual Call Point.



Protocol Compatibility

The Manual Call Point will operate with compatible Protectwell control equipment using the Core Lite.

Electrical Consideration

The quiescent current of Manual Call Point is 500 μ A at rated voltage of 24V DC.

Mechanical Construction

The main components of the Manual Call Point are molded in a robust fire-retardant polycarbonate.