# 403-0006 Sita Manual Call Point

Fike®

General Description

The Sita Manual Call Point allows for user activation of the fire alarm system. An optional clear front cover is available if required (Part No. 23-0187). Once operated the device latches into the alarm position and requires manually resetting via a special key. The MCP is an addressable unit that attaches to the loop. Digital communication technology to the control panel is implemented allowing for accurate data transfer at high transmission speeds. This device is only compatible with the Sita200plus, Duonet and Quadnet ranges of control panel.
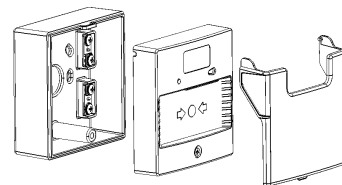
Before Installation

The MCP must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority. For maximum performance the call point should be installed in compliance with
BS5839 Pt1 : 2002 + A2 : 2008.
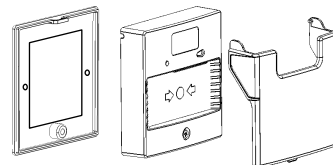
Spacing

Fike recommends spacing of call points in accordance with BS5839 Pt1 2002. For more specific information regarding MCP spacing, placement and special applications please refer to BS5839 Pt1 : 2002 + A2 : 2008.

Device Installation

All wiring must be installed in compliance with the recommendations laid out by BS5839 Pt1 : 2002 as well as any special recommendations documented in the control panel installation manual. All wiring must be installed in compliance with the recommendations laid out by BS 5839 as well as any special recommendations documented in the control panel installation manual. **The cabling used should be of a 2-core 1.5mm^2 screened, fire resistant type, with the following characteristics:**

    Max Capacitance Core to Screen.. 180pF / m
    Max Capacitance Core to Core .... 100pF / m
    Max Inductance .... 1.0mH / km
    Max Resistance Two Core Screened 1.5mm²................................ 12.1Ω / km

It is to be wired in the form of a screened 2-core loop returning to the control panel. The use of spurs on this system is not permitted. Cables may be terminated into the connectors, as shown overleaf. If the device is flush mounted then the loop cabling must be attached to the device via a suitable connection block (not supplied). Cut off crimp fork terminals, strip ends for desired length and twist conductor strands together neatly as shown below. Terminate your cables directly into a flying terminal block. If using a metal back box, do not connect the screen to the back box earth terminal or allow it to come into contact with the metal box
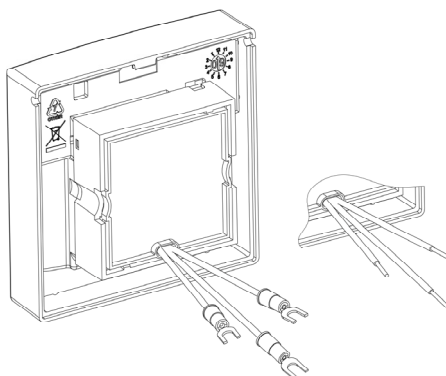
Care should be taken when terminating devices to ensure all cables are correctly sleeved and connections are secure. Improper connections will prevent a system from responding properly in the event of a fire.

Terminal	Description
RED	Loop +ve IN
YELLOW	Loop +ve OUT
BLUE	Loop -ve IN and OUT
E	Screen IN and OUT
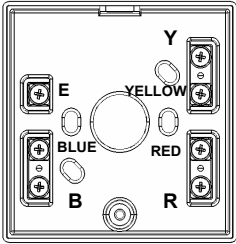
The Loop +ve (positive) IN and the Loop +ve (positive) OUT connections are split within the module. For cable continuity readings at the commissioning stage they must be temporarily removed and connected through. Please remember that all high voltage testing must be carried out before the installation of the electronics, otherwise the electronics will be damaged. Please also note that the E terminal should only be connected to the loop screen and NOT to the building earth.

Once all testing has been carried out on the cabling and **continuity & insulation** has been proven, the MCP can be connected, with each of the three wires from the MCP front being connected to the corresponding terminal in the backbox according to the wire colour. The MCP front may then be installed by locating the upper mounting hook into the receiver in the back box and then pushing the unit gently home. The single fixing screw may then be tightened as required.
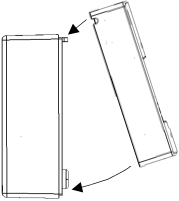
NOTE: Before installing the MCP remember to note the serial number of the device (located on the rear of the unit) on to your drawings or configuration sheets to enable you to prove its location later. The address allocation for the device is carried out automatically by the control panel whilst in initialisation mode, so addresses do not need to be set manually. See the system Installation and Operating Instructions for further details.

Reset and Test

The Manual Call Point contains a re-settable element, which latches in position when operated and does not need to be replaced. Inserting the key as shown and turning it clockwise until the element clicks back into place will reset the unit. Testing the Call Point may be carried out either by pressing the element or by using the key in the same manner as for resetting but without having pressed the element
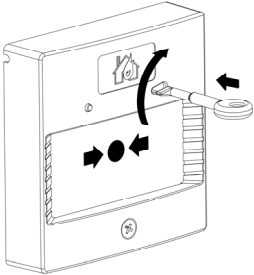
Technical Data

Dimensions: Width x Height   87mm x 87mm
                                                 Depth: Standard inc base   53mm
                                                 Depth: Flush mounted   25mm
Flush Back Box Dimensions: Required Minimum Depth   47mm
Operating Temperature: -10°C to +50°C.
Voltage Range (Loop):   24 to 42V DC
LED Indication: Activated   0.3s interval
Flammability   UL94-V2
IP Rating   IP 21C
System Compatibility: Sita200plus V2.00 onwards.
                               Duonet and Quadnet V1 onwards.

PRODUCT DESCRIPTION			LOOP CURRENT (mA)				
Type	Product Code	Name	Quiescent	Alarm	Low	Medium	High
MCP	403 0006	Sita Manual Call Point Mk3	0.18	2.89	-	-	-

			BATTERY CURRENT (mA)				
Type	Product Code	Name	Quiescent	Alarm	Low	Medium	High
MCP	403 0006	Sita Manual Call Point Mk3	0.18	6.00	-	-	-

			DLU RATING			
Type	Product Code	Name	Alarm	Low	Medium	High
MCP	403 0006	Sita Manual Call Point Mk3	3	-	-	-

Technical Support

Contact your supplier for technical support on this product.

Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential, and commissioning should only be carried out by competent persons. Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation. This unit complies with the EMC directive.

Fike's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, Fike shall be under no liability whatsoever in respect of such contents. E&OE.

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Fike Safety Technology Ltd, 31 Springvale Ind Est, Cwmbran, UK. NP44 5BD **(Manufactured Date on Product Label)** 0832-CPD-1585
EN54-11 Fire Alarm Device – Callpoint Type A, Indoor Use EN54-17 Fire Alarm Device – Isolator Isolator Technical Data: See 26-1112