Addressable Call Points and Accessories

General Information

A comprehensive range of call points for use with FireClass addressable systems, using the robust and reliable FireClass open protocol. All the callpoints are designed to enable an alarm signal to be given by a plastic resettable element, which means that the call point can be easily reset after it has been activated. Any change in the status of the switch is immediately communicated to the FireClass Control and Indicating Equipment (CIE). All call points have an integral short-circuit isolator for monitoring the addressable loop wiring. The integral LED indicator is normally off. When the frangible element is broken, an alarm is registered and the LED will illuminate red. If a section of the loop wiring adjacent to the call point is shorted, the built-in short-circuit isolator trips, isolating the shorted section and the LED is illuminated yellow. The status remains until the short is removed. If required, an optional transparent hinged cover may be installed to guard against accidental operation. Both indoor and outdoor versions are available.

General Features

· Integral Short Circuit Isolator

· Dual Colour LED Indication

· EN54-11 Certification

· Compact, Modern Styling

· Test Key for Fast Testing

· IP67 Ingress Protection models for external applications

Product Codes

|	
514.800.805	FC420CP-I Indoor Callpoint with isolator – no Back box
514.800.806	FC421CP-I Outdoor Callpoint with isolator
10-115	Mount Back Box for FC420CP-I with terminals
515.001.021	Standard Back Box for FC420CP-I
515.001.127	Deformable FC400 MCP element
515.001.119	Spare glasses for Manual Call Point (pack of 5)
515.001.128	Manual Call Point Plastic Hinged Cover
515.001.045	Spare Manual call point keys (pack of 10)

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FC420CP-I Wiring details - Rear view

The FC420CP-I has a factory set (invalid) address of 255. The FC420CP-I is field programmed with the address prior to installation using an FireClass address programming tool. The associated ancillary programming lead plugs into the programming port. Ensure that the pins of the ancillary programming lead are inserted completely into the lower row of the programming port for effective communication with the address programming tool.
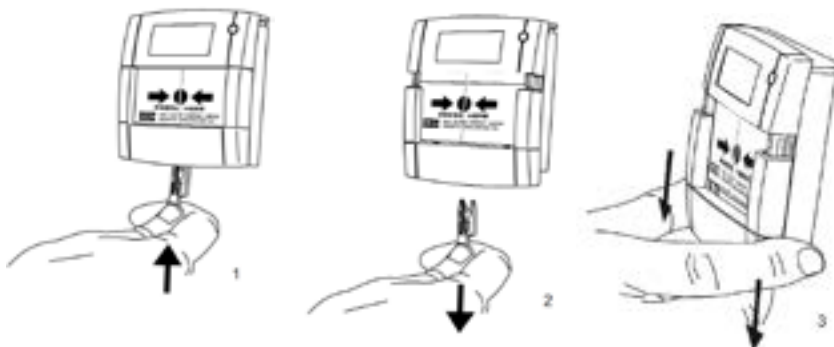
1. Ancillary programming port
2. Ancillary programming lead
3. Connected to Loop + IN
4. Connected to Loop - IN
5. Connected to Loop + OUT
6. Connected to Loop - OUT

FC420CP-I Installation
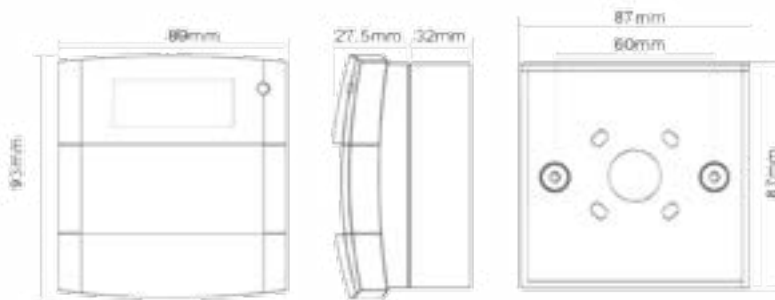
The FC420CP-I may be fitted to a standard (surface mounting) call point back box which is available separately.
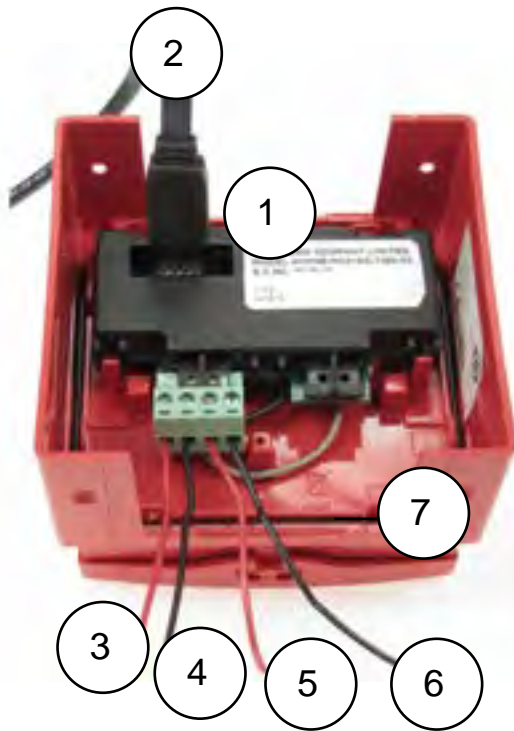
FC420CP-I & FC430CP-I Testing

A test key is provided with each MCP to allow easy testing of the switch mechanism and wiring, without breaking the frangible element. The key is inserted into a slot in the base of the MCP, allowing the frangible element to drop away from the switch, thus activating it and registering an alarm at the CIE. Note: the key should not be left with the MCP after commissioning, but may be left inside the CIE for convenience.
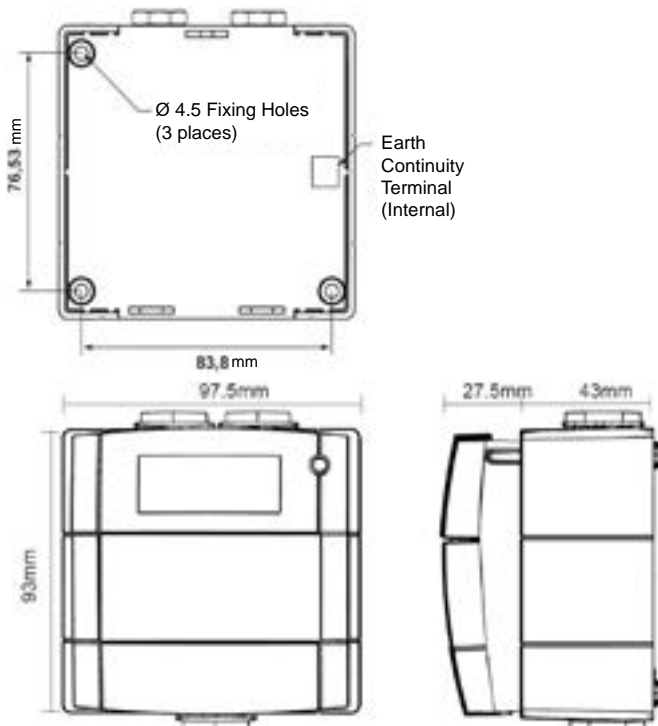
FC421CP-I Wiring details - Rear view

The FC421CP-I has a factory set (invalid) address of 255. The FC421CP-I is field programmed with the address prior to installation using a FireClass address programming tool. The associated ancillary programming lead plugs into the programming port.
Ensure that the pins of the ancillary programming lead are inserted completely into the lower row of the programming port for effective communication with the address programming tool.

1. A1 Ancillary programming port
2. Ancillary programming lead
3. Connected to Loop + IN
4. Connected to Loop - IN
5. Connected to Loop + OUT
6. Connected to Loop - OUT
7. Gasket

FC421CP-I Installation

Ø 4.5 Fixing Holes
(3 places)

Earth
Continuity
Terminal
(Internal)

76,53 mm

83,8 mm

97.5mm

27.5mm   43mm

93mm

Ensure the cable entry holes are in the vertical plane, with either the single or double entry holes at the top.

Mount the FC421CP-I back box to a suitably flat surface in the required location using the three fixing holes and screws provided.
Two hole stoppers with plastic washers are provided for use where cable glands are not required. Ensure that all cable entry holes are securely sealed. The recommended sealant is Loctite 5331. Ensure that the gasket is correctly seated in its channel on the rear of the cover.

An Earth Continuity Terminal is situated in the rear of the back box. An earthing plate is provided for continuity of metal conduits. The body of the MCP is fixed to the back box with four fixing screws supplied.

A new class of Fire Detection

Product Codes

MODEL	DIMENSIONS (mm)	WEIGHT	OPERATING TEMPERATURE	QUIESCENT CURRENT	ALARM STATE CURRENT	I.P. RATING
514.800.805	93 x 89 x 45mm	110g	-10°to +55°C	280µA	2.8mA	IP24D
514.800.806	93 x 98 x 73mm	240g	-25° to +70°C	280µA	2.8mA	IP67

(*) The beacon in this product should be used for supplementary indication purposes only. In this case the device is not required to be used as a Visual Alarm Device (VAD) and EN54-23 is not relevant to its classification.

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