



Addressable Call Points and Accessories

Addressable – Devices

Part No. 514.800.806 | 514.800.805

www.illuminoignis.co.uk

Product Details

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.



Key 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

Technical Specifications

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



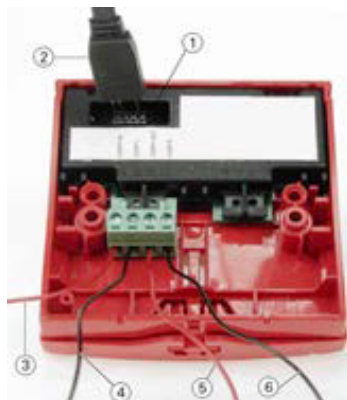
Addressable Call Points and Accessories

Addressable – Devices

Part No. 514.800.806 | 514.800.805

www.illuminoignis.co.uk

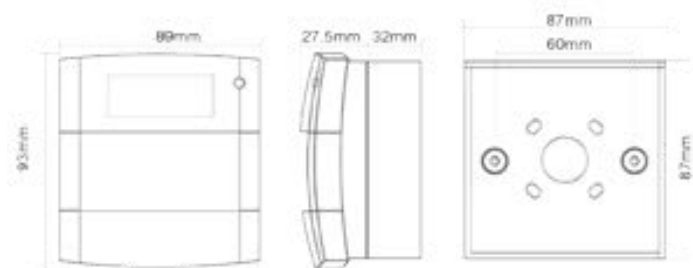
FC420CP-I Wiring details – Rear view



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.

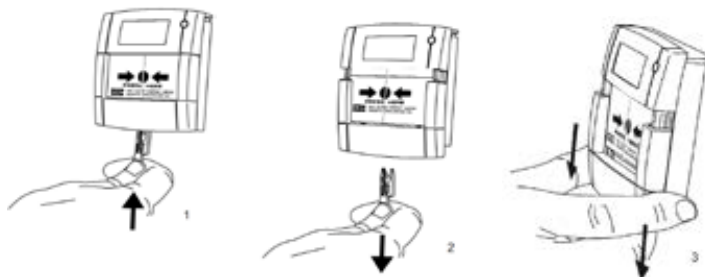
1. Ancillary programming port
2. Ancillary programming lead
3. Connected to Loop + IN
4. Connected to Loop - IN
5. Connected to Loop + OUT
6. Connected to Loop - OUT

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.



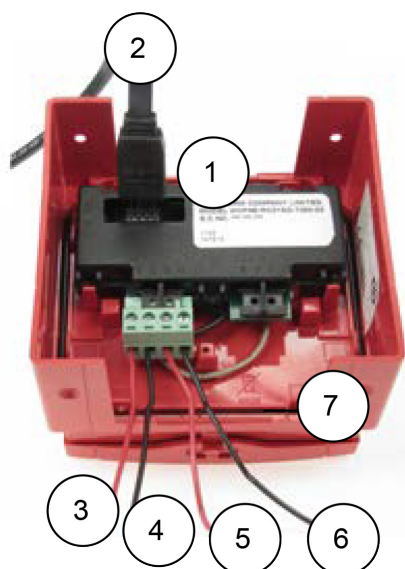
Addressable Call Points and Accessories

Addressable - Devices

Part No. 514.800.806 | 514.800.805

www.illuminoignis.co.uk

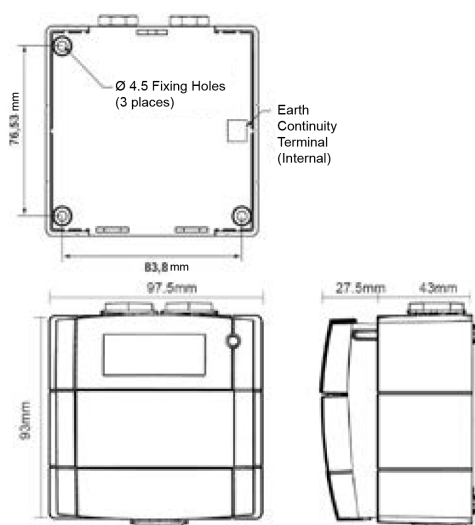
FC421CP-I Wiring details - Rear view



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



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.



Addressable Call Points and Accessories

Addressable – Devices

Part No. 514.800.806 | 514.800.805

www.illuminoignis.co.uk

Technical Specifications

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