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GS Element

When supplied the 'GS' element should remain installed in the Call Point until commissioning is complete, thus eliminating unwanted glass breakages. Before completing the installation change the 'GS' element for the correct Call Point glass. See Fig. 3

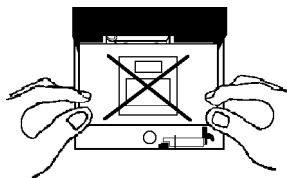


Fig. 3

Electrical Specification

Minimum operating voltage: 15V

Maximum operating voltage: 30V

Current rating:

Quiescent - 200 microamps

Alarm - 5 milliamps

Manufactured by: System Sensor Europe
Pittway Tecnologica SpA
Via Caboto 19, 34147
Trieste, Italy

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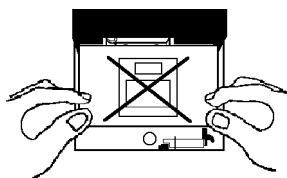


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SYSTEM SENSOR™

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Installation instructions for the M500KACW Addressable Waterproof Call point (IP67)

General

The M500KACW is designed to be used as a component of a compatible fire control system using System Sensor analogue addressable devices. It is a dedicated addressable callpoint for installation on the two wire communication circuit providing both signalling of alarm to the monitoring control panel and local led indication of activation.

Method of mounting

The M500KACW is supplied with its own special installation box and must be installed using this box.

Two threaded cable entries are provided each 20mm in diameter. If both cable holes are to be used the hole stopper should be removed. If two metal sheathed cables or conduits are to be terminated in the back box the earth strip should be used. The earthing strip must be placed in position before the back box is fitted in place.

The back box should be fitted using the screws provided, with

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the cable access holes in the vertical plane. The cable glands/ conduit should be fitted in the back box so that the watertight integrity of the Call Point is maintained. The use of a sealant, such as Loctite Superflex Clear is recommended. Care should be taken not to distort the back box by applying stress via the cable entry holes.

Before the cables are connected to the address module on the inside of the Call Point front, the 'O' ring should be examined in order to verify that it is positioned correctly, see Fig 1. After the cables have been connected and the electrical wiring installation has been completed (see Electrical installation), the Call Point front should be offered up to the back box so that the 6 socket screws enter their corresponding threaded holes and the cover fits snugly over the back box. Using the hexagonal wrench provided each of the 6 socket screws should be gently screwed into its respective threaded hole, but no tension applied.

The socket screws should then be carefully tightened down in sequence to ensure that the Call Point front seats correctly on to the back box. These should be tightened down following the numerical sequence indicated in Fig 2, initially finger tight, then more firmly, going over and over the 6 screws in sequence until they are all firmly screwed home.

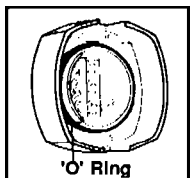


Fig. 1

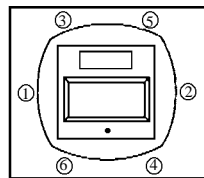


Fig. 2

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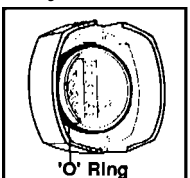


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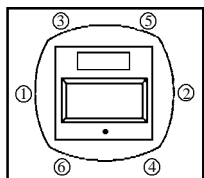


Fig. 2

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Electrical Installation

CAUTION

Do not connect circuit wiring to this callpoint, other field devices or the control panel, or apply power to any portion of the system until all necessary wiring polarity, continuity and insulation tests have been performed. All wiring must conform to applicable local and national regulations and codes of practice.

1. Terminate field wiring in the chosen mounting box taking care to maintain continuity of any shielding provided.
2. Set the callpoint address according to the designated project drawings, using a flat bladed screwdriver to turn the rotary address switches to the allocated number between 01-99.

(Note: Address 00 set at the factory is recognised by the control panel as a fault condition)

3. Connect the two wires provided from the callpoint module to the mounting box terminals as follows:

Positive (+) communication loop : Red wire

Negative (-) communication loop : Black wire

4. Fix callpoint to mounting box taking care that all cables are secure and have sufficient clearance. Locate glass or GS element in the front of the callpoint and close cover with front fixing screw.

Testing

To test the callpoint insert the supplied test key into the slot at the bottom right hand corner of the callpoint. The glass will drop and simulate operation of the callpoint. To reset the

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