EC0020

Analogue addressable resettable manual callpoint

inim

CE

0832-CPD-2052

EC0020 series manual call points are certified and approved according to EN54-17:2005 - Short-circuit isolators and EN54-11 - Manual callpoints.

ATTENTION!

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Description

EC0020 manual call points are specially designed to operate with INIM Electronics analogue addressable fire-control panels.

The trigger element and device status LED are located in the front case of the device.

LED	Meaning of visual signals
Red	Manual callpoint activated
Yellow	Short-circuit on loop
Green	Flashing: Manual callpoint ready and operating properly
	On solid: Manual callpoint activated by the control panel

In the event of short-circuit between the two connection wires and the control panel (loop), the built-in isolator shuts off the negative current and isolates the section involved. For further details regarding the isolator, refer to the "ILP Specification" datasheet.

Details regarding the EC0020 manual callpoint, its unique serial number and information regarding the loop terminal connections can be found on the label inside the device housing.

The device package contains two fork-end keys which can be used to open the housing and reset the device.
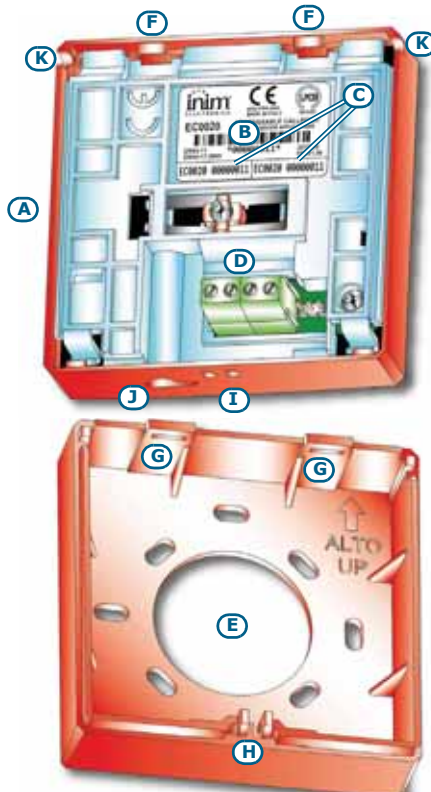
The flush-mount backbox and protective front plate are accessory items and must be purchased separately.

TECHNICAL SPECIFICATIONS	
Operating voltage	19-30 Vdc
Current draw in standby	Max 80μA @ 24V
Current draw in alarm	5 mA @27.6V
Operating temperature	-5°C / +40°C
Humidity (without condensation)	95% RH
Dimensions (HxWxD)	84 x 84 x 45 mm
Weight	126 g

Activation

The EC0020 manual callpoint uses a simple mechanism which consists of a rigid plastic operating element and an over-center spring mechanism. Pressing on the black spot simulates "Break Glass" activation and triggers an alarm.

Activation is signalled by a yellow and black striped flag which drops into view on the upper part of the frontplate and a solid red visual signal on the LED indicator.

A	Callpoint button - rear
B	Details label
C	Removable serial number stickers
D	Terminals
E	Backbox with fixing screw holes and cable entry
F	Fixed back-locking clips
G	Fixed back-locking clip positions
H	Back-locking backbox clips
I	Back-locking clip positions
J	Reset key slot
K	Protection front plate clips

Reset

The EC0020 manual call point is reset by inserting the key provided into the key slot and by pushing the trigger mechanism upwards as far as possible, after which the key must be turned clockwise until the mechanism locks back into position.

The reset procedure must be carried out in accordance with the above instructions, otherwise, you may damage the manual call point and/or its key. *ATTENTION!*

On reset, the flag will withdraw but the LED will stay on until it is reset from the control panel.

Installation

Connect the EC0020 manual call point the control panel by means of STP cable (2 pole). This cable will provide the power to the various devices and to the two-way digital communication channel.

It is not necessary to respect the input/output configuration of the terminals as the Loop IN and OUT terminals are interchangeable.

The backbox has standard wall-mount anchor screw holes.

Insert the forked-end of the reset key into the two slots and push against the back-locking clips to open the manual call point.

ATTENTION!

Remove the two serial-number stickers located under the device details label and put one on the manual call point housing and the other on the system layout.

After installing all the loop devices, work carefully through the configuration and addressing procedures (refer to the control panel manual for the respective instructions).

Test and maintenance

Test the manual call point immediately after installation and then regularly during the periodic tests which must be carried out in accordance with the local laws in force.
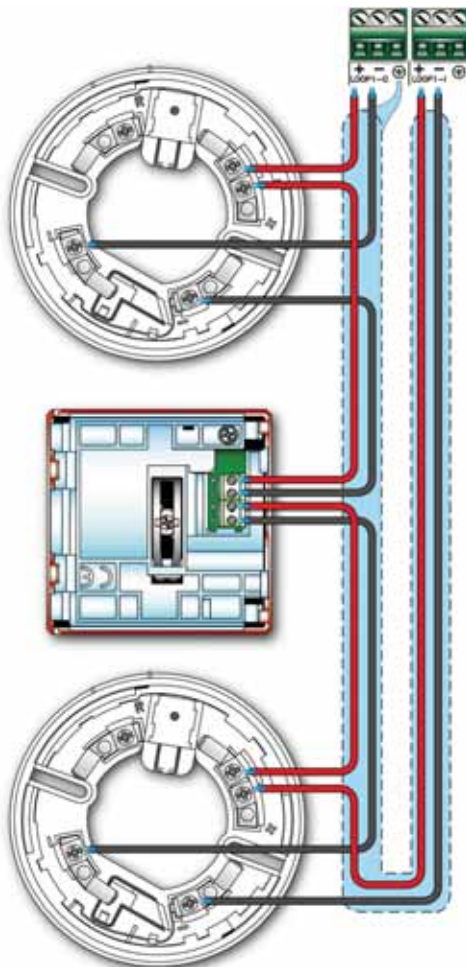
Using the EITK-DRV driver

The EITK-DRV driver allows you to change the operating parameters of the loop devices and carry out accurate diagnostics. It is capable of operating autonomously by way of its battery or can be connected to the USB port of a PC equipped with the necessary software.

For details regarding use of the EITK-DRV driver, refer to the respective instruction.

Warnings and limitations

The EC0020 manual call point can be used exclusively with control panels using INIM Electronics OpenLoop protocol.

It is not suitable for outdoor installation unless adequately housed inside a heavy duty weather proof box.

INIM Electronics reserves the right to change the technical specifications of this product without prior notice.