



## *Zerio Plus*

### **EDA-C5000 Radio Callpoint Installation Manual**



0359

EN54-11:2001  
EN54-25:2008

0359-CPR-00232 (2013)  
DOP-EDA-C5000

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**EDA-C5000** (type A)  
Radio manual call points  
for fire detection and fire  
alarm systems for  
buildings

The EDA-C5000 Radio Callpoint is used as part of the Zerio Plus Radio Fire Alarm System. It cannot be used with other ranges of Electro-Detectors products.

#### **To fix the unit to the wall**

The call point should be fitted in an appropriate position as detailed in BS5839 Part 1. Care should be taken to try and reduce the possibility of the unit been accidentally knocked or being obscured from view. The back box should be separated from the unit by removing the screw on the underside and pulling apart. The back box should be screwed to a flat surface using 2 x No 8 (4mm) screws of appropriate length for the material that the unit is being mounted on. It is recommended that the back box should be used as a template for the screw holes. If the surface is not flat, the unit may buckle when screwed tightly to the surface. It is recommended that the units not be secured too tightly or a mounting plate be fixed to the wall first. The unit should be fitted away from any metal objects and a radio survey for the position should have been carried out prior to installation.

Before the unit will operate on a system, it must be programmed via the control panel. To program the unit the panel must be set in the appropriate mode to add a device to the system. Please refer to the panel manual for further information. Before adding the device to the system you will need to determine what unit number/address the unit is to be programmed to. The zone number and text location information should also be to hand but this can be added/changed later.

#### **To put the callpoint into log mode, follow the procedure below:-**

1. Remove the back box by removing the screw on the bottom of the unit.
2. Ensure the power jumper is removed.
3. Press and hold the unit removal and the log-on button simultaneously.
4. With these buttons pressed down, fit the power link.
5. Hold the buttons down until three rapid beeps are heard. If the mode is successfully selected the LED on the front of the unit will glow green.
6. Both buttons can now be released.
7. Follow the instructions inside the panel manual to add the device to the system.



Breaking the glass will cause the panel to indicate a fire condition and, if programmed, will operate any sounders on the system. The unit is also fitted with a test facility so that the system can be tested without the glass being broken. To operate the test facility, the special key supplied with the callpoint should be inserted into the unit on the bottom face in the centre. This will cause the plastic front and glass to drop allowing the unit to transmit an alarm condition. The LED will illuminate red and a low level beeping will be emitted from the unit. The beeping will cease once the glass is replaced or the test key is removed, however the LED will remain illuminated until the panel is reset.

## **To change the battery in the callpoint:- replacement part: 1 x EDA-Q690**

The battery should last approximately 5 years in the callpoint. Always use batteries supplied by Electro Detectors otherwise this will invalidate the certification. Many similar battery technologies are available but only the ones that meet certain properties can be used with these units. The battery pack is fitted with 2xAA Lithium Thynol Chloride cells. Min voltage 3.0V, Max 3.7V. When the battery is approaching its end of life the unit will transmit a low battery condition, which will be indicated on the control panel. The system will still function for at least a further 60 days in this condition before the unit fails to work. Once the batteries are too flat to operate, the unit will either indicate a “verify fail” fault, because the panel has lost communication with the device, or a battery fault will be displayed. Should either of these be witnessed, the batteries should be changed immediately. If the unit detects a fault with the battery a ‘battery fault’ will be indicated on the panel.

1. Remove the back box.
2. Remove the power link.
3. Remove the old battery pack.
4. Fit the new battery pack making sure the battery's pins are lined up and pressed down.
5. Press and hold the unit removal and log-on button simultaneously.
6. With these buttons pressed down, fit the power link.
7. Let the unit go into its log-on mode (ie three rapid beeps) and keep the buttons pressed down.
8. After a further five seconds a series of beeps will sound, at this point release the buttons. This will re-set the battery counter.
9. Refit the device onto its back box.

## **Faults displayed on the control panel from callpoints:-**

**Low Battery:** The batteries are approaching their end of life. The unit will continue to operate for a further 60 days before the batteries need to be changed.

**Verify Fail:** The panel has lost communication with the device, this could be caused by the batteries being flat, the unit failing to operate, something obstructing the radio signal path or the device not being installed correctly with an adequate signal strength.

**Battery Fault:** The unit has detected a problem with the battery.

**Unit Removal:** If the unit is removed from its back box, the panel will display a unit removal/tamper fault.