

- EN54 Part 25
- Fully Addressable
- Selectable Sensitivity
- Up to 7 Year Battery Life
- Small Attractive Compact Design
- Automatic Drift Compensation
- Pre-Alarm Warning
- Head Dirty Warning
- Compatible with Zerio Plus Panels



DESCRIPTION

The Zerio Plus radio optical smoke detector from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio smoke detector. The detector is the latest development from a company which has over 30 years of designing and manufacturing fire alarm systems.

Based on the highly successful Millennium and Zerio ranges, the detector is housed in the original attractive, low profile, moulding. The addressable detector contains a powerful processor, utilising surface mount technology to achieve the ultimate in performance and reliability.

Long operational life, high sensitivity and stable operation has been successfully achieved by using sophisticated protocols and the most technologically advanced components.

Fully configurable, either by wires or radio waves, the Zerio Plus detector features programmable sensitivity. A unique serial number and the length of time in service is stored in its internal memory. All data is retained in this non-volatile memory which is not corrupted or erased even should power be removed. A battery life of up to 7 years and sensor re-calibration minimise detector maintenance but sophisticated self testing ensure confidence in detector operation.

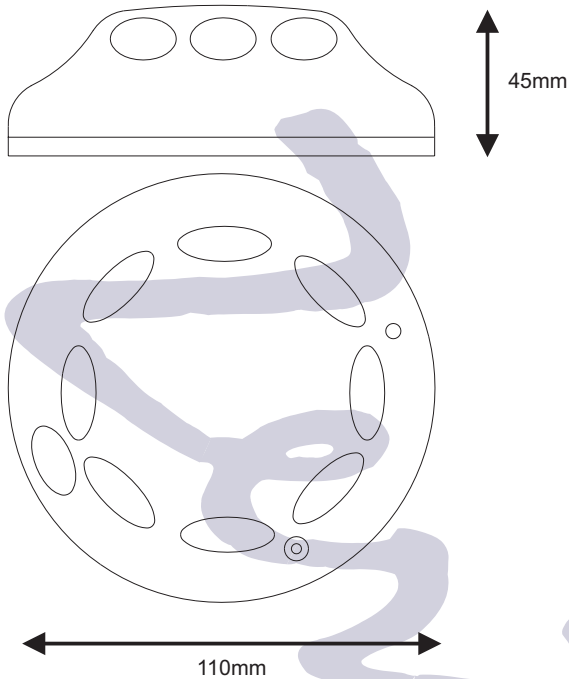
The Zerio Plus smoke detector is fully compliant with the relevant sections of BS5839 and EN54 including Part 25. The detector is supplied complete with its base and battery and just requires two screws to mount the unit on the ceiling.

SPECIFICATION

| | |
|-------------------|---|
| Power source | Dual lithium cells |
| Battery life | Up to 7 years |
| Battery Pack | 1 x EDA-Q690 |
| Detector type | Optical |
| Alarm Level | Programmable |
| Temperature range | 0C to +60C |
| Humidity | 0 to 95% (no condensation) |
| Construction | |
| - Insect Screen | Stainless Steel Foil |
| - Casing | Injection Moulded U.V. Stabilised ABS Plastic |
| - Electronics | Surface Mount Technology |
| Options | Multiple Sensor Remote LED Lockable Head Coloured Body |

ORDER CODES

| | |
|-----------|--------------------------------------|
| EDA-R5000 | Radio Optical Smoke Detector |
| EDA-R5010 | R5000 with LED interface base |
| EDA-Q690 | Spare Battery Pack (1 required) |
| EDA-Q580 | Device locking screw (pack of 10) |

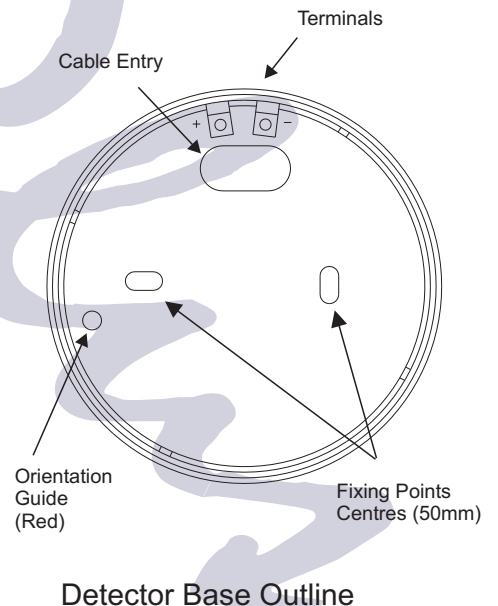


TECHNICAL INFORMATION

Selectable sensitivity set by control panel
 Self calibration / drift compensation
 Adjustable alarm verification time interval
 Conforms to appropriate parts of BS5445, BS5839 and EN54
 Powered by 2 independent AA lithium cells
 Low current technology with a battery life of up to 7 years
 Surface mount technology giving maximum reliability
 Transmitter frequency 868 Mhz
 Transmission type Narrow Band FM
 Channels 13 Available
 Electronic serial number
 65000 system numbers
 Short transmission time
 Complex error checking
 Internal monitoring and fault diagnostic reporting
 Fault and alarm count
 Narrow gauge mesh to prevent ingress of foreign bodies
 Security locking screw (supplied separately)

GENERAL INFORMATION

| | |
|-----------------------------|--|
| Weight (Including Base) | 200g (approx.) |
| Dimensions (Including Base) | |
| Height | 45mm |
| Diameter | 115mm |
| Indications | High intensity clear LED |
| Alarm | Red Solid |
| Fault | Red Flashing |
| Log-on Mode | Green Solid |
| Audible Warning | Sounds in alarm, device re-calibration and test mode |
| Fixing Holes | 2 x 4mm (No. 6 screws) 50mm spacing |
| Terminal Capacity | 2 x 1.5mm ² |
| Cable Entry | 25 x 14 mm rear entry only |
| Finish | White Polished Colours optional |



In the pursuance of a policy of continued product improvement Electro-Detectors Ltd. reserves the right to change the design and specification without prior notice. The quoted battery life is a theoretical calculation based on device performance under normal operating conditions in conjunction with the specification provided by the battery manufacturer. The figures provided are intended as a guide and therefore cannot be assumed to be a guarantee of the actual life achieved. All details were correct at time of printing.

REF:RS0001/100.CDR April 2011

Electro Detectors

www.electrodetectors.co.uk

Electro House, Edinburgh Way,
 Harlow, Essex, CM20 2EG, UK
 Tel:01279 635668
 Fax:01279 450185
 Email:eda@electrodetectors.co.uk