Zerio Plus

- EN54 Parts 3,7 and 25 Compliant
- High Intensity LED Beacon
- Fully Addressable
- Selectable Sensitivity
- Up to 5 Year Battery Life
- Small Attractive Compact Design
- Pre-Alarm Warning
- Head Dirty Warning
- Compatible with Zerio Plus Panels

DESCRIPTION

The combined optical smoke detector and sounder has been further refined to add a flashing LED beacon to the unit. Based on the successful Millennium and Zerio systems the new Zerio Plus device increases the flexibility of the system especially where designers are working with the requirements of the Disability Discrimination ACT (DDA).

Offering the advanced features of the Zerio Plus detector, the unit is housed in an attractive moulding and shares a common fixing and is interchangeable with the existing Zerio Plus detectors.

The combined optical smoke detector and sounder with LED beacon contains a powerful processor and utilises surface mount technology to achieve the ultimate in performance and reliability. The sounder section utilises a high output sounder, switch mode power supply and a sensitive narrow band FM receiver. The LED beacon uses revolutionary technology to be able to deliver the power required to illuminate the very bright beacon.

The unit is fully programmable and is capable, as is the usual sounder detector, of being divided into 255 individually controlled areas.

Fully configurable by radio, the combined optical smoke detector and sounder with LED beacon stores a unique serial number and length of time in service in its non-volatile memory. The combined optical smoke detector and sounder with LED beacon is designed to comply with all appropriate sections of EN54.
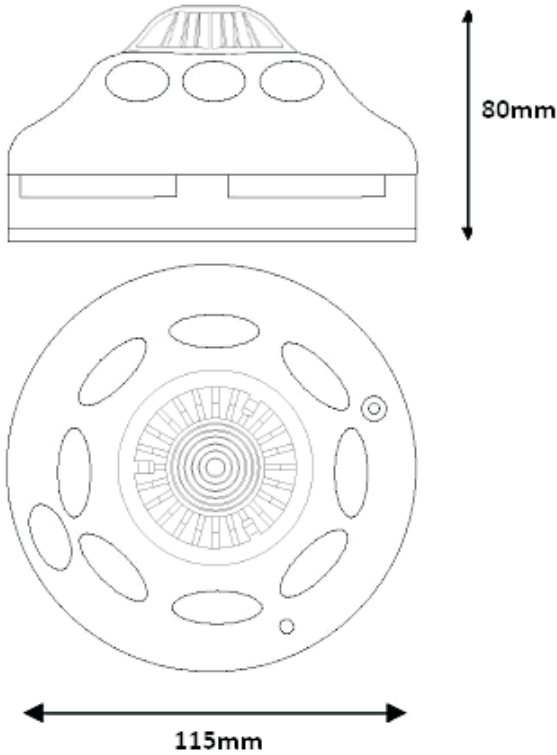
SPECIFICATION

Power source	2 x Dual lithium cells
Battery life	Up to 5 years
Battery Pack	2 x EDA-Q690
Detector type	Optical
Alarm Level	High: 0.08dB/m (1.8%)
	Medium: 0.12dB/m (2.7%)*
	Low: 0.20dB/m (4.4%)
	* 3rd part approved to EN54 Part 7
Temperature range	0C to +60C
Humidity	0 to 95% (no condensation)
IP Rating	IP21C (indoor use only)
Audibility	81 to 89dB at 1m
	(Depending on orientation)
Tones	16 (Swept tone at maximum/High volume approved)
LED Category	'O', Open
Light Output	TBA
Flash Rate	1Hz
On Time	6.5mS
Construction	
- Insect Screen	Stainless Steel Foil
- Casing	Injection Moulded U.V. Flame Retardant Stabilised ABS Plastic
- Electronics	Surface Mount Technology
Options	Lockable Head

ORDER CODES

EDA-R6030	Radio Combined Sounder and Optical Smoke Detector with LED Beacon
EDA-Q690	Spare Battery Pack (2 required)
EDA-Q580	Device Locking Screw (pack of 10)

Electro Detectors

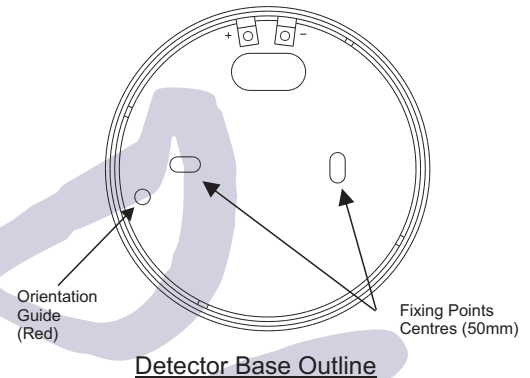www.electrodetectors.co.uk

80mm

115mm

TECHNICAL INFORMATION

Selectable sensitivity set by control panel

Adjustable alarm verification time interval

Approved with swept tone at maximum volume

Powered by 4 independent AA lithium thynol chloride cells

Max Voltage 3.7V DC
Min Voltage 3.0V DC
Max Current in Alarm 60mA
Average Current <10uA
Estimated battery life of up to 5 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)	280g (approx.)

Dimensions (Including Base)
Height	80mm
Diameter	115mm

LED 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

Finish	White Polished

Note: Battery operated sounders and beacons are not covered by any parts of EN54 and therefore there is no requirement for third party type approval. However this device has been approved to all relevant sections of EN54-3.

Orientation Guide (Red)

Fixing Points Centres (50mm)

Detector Base Outline

CE

0359
Electro Detectors Ltd
Electro House
Edinburgh Way
Harlow,Essex
CM20 2EG, UK

EN54-3:2001+A1:2002+A2:2006
EN54-7:2000+A1:2002+A2:2006
EN54-25:2008

0359-CPR-00231 (2014)
DOP_EDA_R6030

EDA-R6030
Radio combined smoke detector and sounder with beacon for use in fire detection and fire alarm systems for buildings.
Type A: For in-door use.

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.