Zerio Radio Booster / Sounder Module

EDA-A2102

- **Mains powered**
- **Easy to Install**
- **Self learning device verify table from panel**
- **Up to 4 boosters per panel**
- **Adjustable Sound Level up to 105dB**
- **Supplied with Stub Antenna**

DESCRIPTION

Designed to complement the range of EDA Zerio range of Radio Fire Alarm equipment, the EDA-A2102 booster is capable of bi-directional message transmissions between compatible Zerio devices and a control panel, thus substantially increasing the system range. Up to four repeaters can be used and each repeater must be in range of the Main Control Panel as boosters *cannot* communicate with each other.

The Booster is powered from an external separate mains transformer that provides the DC voltage as required by the repeater with built in overload protection. It is mounted in a double gang surface mounted box with a Fused Connection Unit (FCU) front plate as pictured over.

Airwaves are continuously monitored by the repeater for any instructions from the Main Control Panel or devices so that all valid messages are transmitted on.

Communication link integrity is constantly checked with frequent transmissions between the repeater and the Main Control Panel on which any errors are immediately displayed.

Any internal faults such as unit removal, battery low, receiver failure or mains failure are relayed back to the Main Control Panel.

The control panel controls the units verify table, continually adding and removing devices that either in or out of range of the main control panel. No set up is required by the engineer.

The unit has the same functionality as a standard sounder with the additional features of repeating messages from devices in radio range of the unit. It is supplied with a stub antenna, and is capable of operating with a larger external antenna.

SPECIFICATION

Power source	3.7V derived from 230V AC Mains Power supply
Stand-by Battery	D Lithium cell. (EDA-Q620) (60 day standby)
Temperature	0°C to + 60°C
Humidity	0 to 95% (no condensation)
Enclosure	White ABS Plastic
Electronics	Single SMT Circuit Board
Options	External / Remote Antenna
Standards	Conforms to relevant parts of EN54 and BS5839
Colour	White

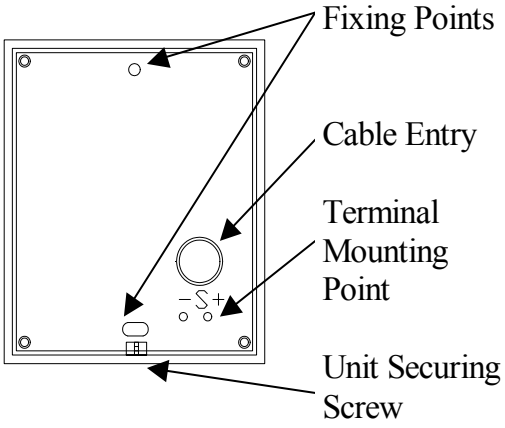
OPTION / ORDER CODES

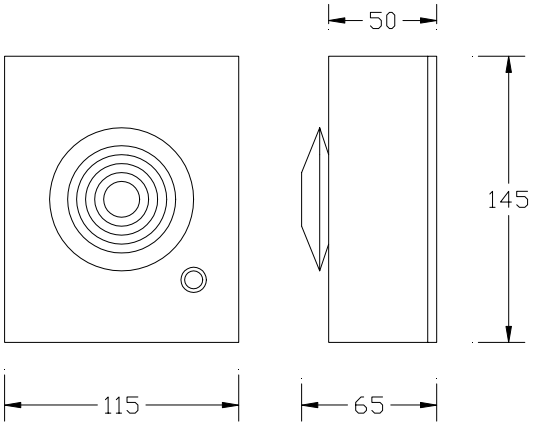
EDA-A2102	Zerio Radio Booster / Sounder with external Stub Antenna

Electro-Detectors

Electro House, Edinburgh Way, Harlow, Essex, CM20 2EG.
Tel: (01279) 635668 Fax(01279) 450185
e-mail: eda@electrodetectors.co.uk Web Site: www.electrodetectors.co.uk

Sounder Base Outline





All dimensions in mm

TECHNICAL INFORMATION

Power	Mains adaptor built into FCU box Internal standby D lithium cell
Red LED indicator	Fault: flashing Alarm condition : constant
Unit reset	Internal magnetic reed switch
Sounder Areas	99 Selectable
Standard Tones	Low Pitch, High Pitch, Slow Sweep, Warble, 4 x Intermittent Tones, 8 x Class Change Tones
Volume	85 to 105dBA, programmable
Radio Parameters	173.2250 MHz, NBFM, 10mW ERP 12.5KHz channel spacing
Survey levels	Stub antenna: 37

Booster PSU

Internal View of PSU

GENERAL INFORMATION

BOOSTER

Fixing Holes	2 x 4mm (No. 6 Screws)
Terminal Capacity	2 x 1.5mm^2
Cable Entry	20mm Diameter (rear entry only)
Dimensions (HWD)	145 x 115 x 65 mm (Including Base)
Weight	350g (approx.)

Supplied with 1m, 2 core low voltage cable to connect PSU to Booster

PSU

Fixing Holes	2 x 4mm (No. 6 Screws)
Dimensions	175 x 85 x 45 (mm)
Weight	300g (approx)

Note : This product is *not* compatible with the Millennium Series EDA products.

Electro-Detectors

Electro House, Edinburgh Way, Harlow, Essex, CM20 2EG.
Tel: (01279) 635668 Fax(01279) 450185
e-mail: eda@electrodetectors.co.uk Web Site: www.electrodetectors.co.uk