

# Radio Sounder / Output Module

EDA-A200 / A250 / A260 / A280

- **Totally Wire Free**
- **Entirely Self Contained**
- **14 Tones Selectable From Control Panel**
- **Up to 7 Year Battery Life**
- **Adjustable Sound Level to maximum of 105dB**
- **Optional Callpoint Input**
- **Optional Door Closer Interface**
- **Available as Sounder, Flashing Beacon or Clean Contact Output Unit**



## DESCRIPTION

Designed to complement the range of EDA Radio Fire Alarm equipment, the EDA-A200 electronic sounder is powered entirely by internal batteries, controlled and monitored by radio, producing up to fourteen different sound tones at a sound level equivalent to that of a normal hard wired electronic sounder.

In normal operation the sounder continuously listens via its built in radio receiver to any instruction emanating from its controlling panel. Once operating it continues to listen for further instructions to change tone or silence.

To ensure that the integrity of the communication link is maintained, frequent transmissions are made by the sounder to the control panel so that in the unlikely event of the radio signal failing to reach the panel a fault is reported.

Other coded transmissions are made to signal faults including unit removal, battery low, receiver failure, and where external devices are connected to it, a fault in that wiring.

The unit is fully addressable and can be assigned to a particular area allowing phased evacuation to be incorporated into the system.

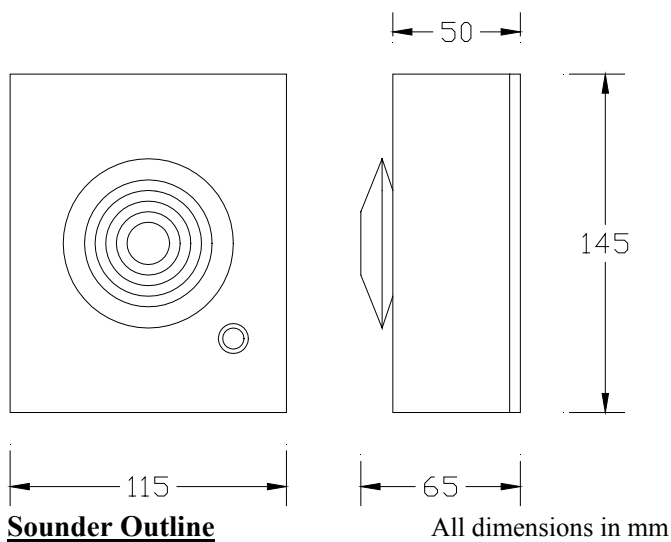
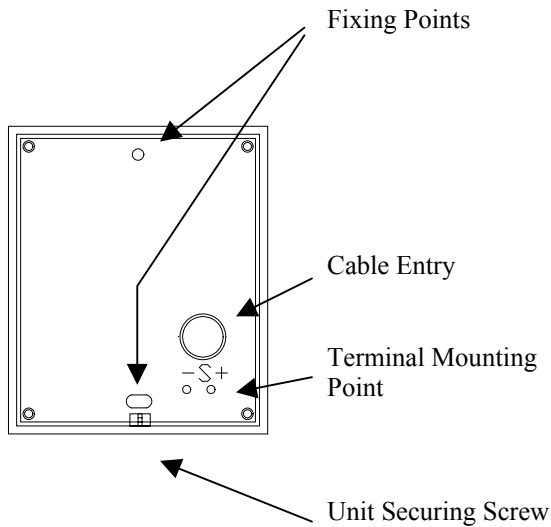
The unit can be supplied as a sounder, a flashing beacon or an output unit each mounted in the same white sounder housing. The clean contact output unit is capable of switching 1Amp at 24V.

## SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 7 years. (Based on normal use)
Battery Capacity	15Ah
Types	Radio Sounder Unit Radio Actuator
Temperature Range	0°C to + 60°C
Humidity	0 to 95% (no condensation)
Construction	
- Casing	Injection Moulded U.V. Stabilised ABS Plastic Available in Red or White Other colours optional
- Electronics	Single Circuit Board Surface mount construction
- Options	Callpoint Connection External / Remote Antenna Door Release Interface Auxiliary Output for Alarm

## ORDER CODES

EDA-A200	Radio Electronic Sounder (White)
EDA-A205	Radio Electronic Sounder (Red)
EDA-A250	Radio Actuator / Output Module
EDA-A260	Radio Strobe Unit
EDA-A280	Radio Output with Clean Contacts



## TECHNICAL INFORMATION

Conforms to appropriate sections of BS5839 and EN54

Powered by two independent lithium cells

Main Battery – type D cell

Standby Battery – type AA cell

LED indicator for alarm and fault conditions

Internal magnetic reed switch to reset unit

Unit Numbers 1 – 3000

255 Selectable Sounder Areas

Standard Tones

- Low Pitch
- High Pitch
- Slow Sweep
- Warble
- 4 x Intermittent Tones
- 8 x Class Change Tones

Volume 105 – 85 dBA Internally adjustable

Auxiliary Output Clean contact Closes on Alarm  
Switch rating 1A @ 24V

### Radio Specification

DTI Specification	MPT 1344
Licence No.	RTD 3923
Frequency	173.2250 MHz
Modulation	NBFM
Deviation	+/- 1.5KHz
Transmitter Power	10mW ERP
Response Time	1 second

## OPTIONS

EDA-A200	Radio Electronic Sounder (White)
EDA-A250	Radio Actuator (Auxiliary Output)
EDA-A260	Radio Flashing Beacon
EDA-A280	Radio Clean Contact NO/NC Output Unit

Add 1 for callpoint input connection\*

Add 2 for External / remote antenna

Add 5 for colour Red

Add 10 for Auxiliary Output

EDA-A900	Radio Extension Sounder**
EDA-A910	24v Hardwired Sounder to match EDA tones
EDA-A012	Mains Interface Relay for Mains operated Sirens or Door releases

Note \* a callpoint input cannot be used if a sounder is required to drive an extension sounder

\*\* the colour red is the only option available on Extension Sounders

## GENERAL INFORMATION

Weight	350g (approx.)
Dimensions (Including Base)	
Height	145mm
Width	115mm
Depth	65mm
Indications	High intensity clear RED in alarm, flashes in fault and test modes
Fixing Holes	2x 4mm (No. 6 Screws)
Terminal Capacity	2 x 1.5mm <sup>2</sup>
Cable Entry	20mm Diameter Rear entry only
Finish	White or Red 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 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.

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