

## Response Aid

### Paging System

The Response Aid Paging System provides an easy-to-use, cost effective solution to support deaf and hard of hearing people in case of a fire emergency.

The Response Aid paging unit consists of a wall-mounted HIPS (High Impact Polystyrene) enclosure containing a 4 watt transmitter enclosed in an aluminium surround. It includes a 240-volt 3-pin plug, status indicator LED for Power and Transmission, and straight wire antenna, connected to the top of the enclosure using a 3/8 BNC bayonet connection.

The unit has the capability of 3 dry contacts.

In the event of transmitter failure, power supply failure and a loss in power output from the transmitter, there is a Fault output normally closed alarm accessible via internal terminal header. This is to be connected back to the fire alarm panel to alert the fire alarm panel of any failures.

The system includes battery backup as standard for a minimum 24 hours after mains power failures. There is a low voltage detection sounder which will alert in the event of low battery.



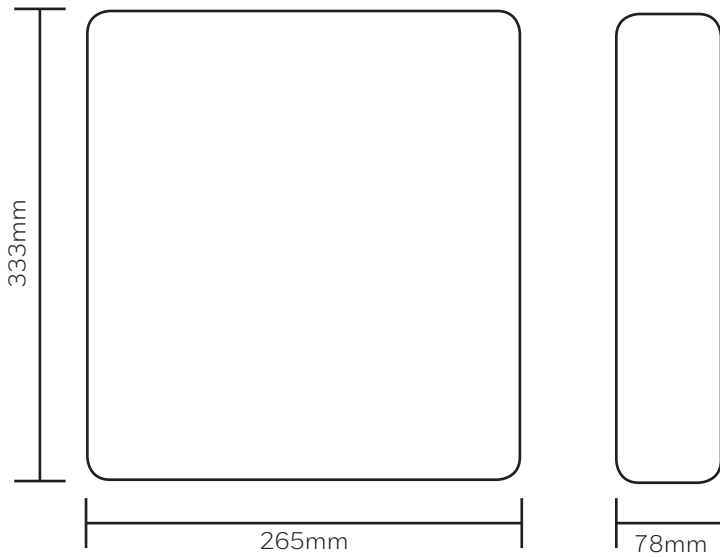
### BACK-UP SYSTEM

In the event of a 230 volt mains failure to the system the alarm device can incorporate a stand-by battery, which will support the system for >24 hours in non-alarm plus thirty minutes in alarm.

TECHNICAL SPECIFICATION	RESPONSE AID
Power Supply	100-240VAC
Frequency Range	UHF: 427.5 - 475MHz, synthesized
Channel Spacing	12.5kHz
Power Output	500mW to 4W $\pm$ 1dB 50 $\Omega$
Baud Rate (Transmission)	512 or 1200 Baud
Transmit Message Format	POCSAG
Message Length	Up to 64 characters in total dependent on Protocol and Pager type.
Power Usage	Sleep: 40mA Transmit: 1.2A approx
Temperature Range	-10°C to +60°C
Case Dimensions	333mm x 265mm x 78mm (LxWxD)
Panel connection	4 dry contacts
Programming tool connection	9600 Baud N:8:1 (for changing unit parameters and message output)
Data Input Paging Protocols	Supports SALCOM, Scope, ESPA, Ascom

### KEY FEATURES

- The paging system consists of a wall-mounted High Impact Polystyrene enclosure containing 4-watt transmitter enclosed in aluminium surround
- Adheres to BS 5839 and meets Equality Act 2010 recommendations
- Status indicator LED for Power and Transmission
- An optional antenna (dipole) installed external to equipment enclosure
- RS232 data port input and programming
- Four contact closure alarms
- Normally Closed Contact – Monitoring output (to Fire Panel)
- Monitored power output
- Alphanumeric Pagers
- Compliance with the requirements of BS 5839 part 1 low battery audible alarm in the event of mains failure
- Out of Range/No service indication to pagers
- A 240-volt 3 pin plug (fused spur option)
- EN54-4 Power Supply



#### ORDER CODES

Model:	Description:
HLS-RES-AI	Response Aid Paging System
HLS-RES-ANT2	Response Dipole Antenna with 5mtrs cable
HLS-RES-LICENCE	Response Radio Paging Licence (5 Years)
HLS-RES-PAGBL	Black Pager
HLS-RES-PAG-FIRE	Rechargeable TFT Display Pager Fire Marshall use (black)
HLS-RES-CHAR15	15 way Charging Rack (TFT Pagers)

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