

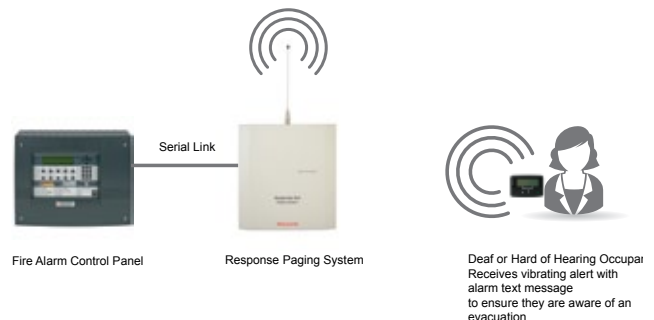
Response Aid Paging System Data Sheet



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 device is set to Equality Act 2010 recommendations sending a strong vibration to every pager together with a text message alerting the user of a fire evacuation.

- Meets Equality Act 2010 requirements for alerting the deaf and the hard of hearing*
- Improves your duty of care and welfare of your customers and staff
- Ensures safer, simpler and quicker evacuations
- Easy to use with clear and simple fire alert instructions
- Reduces the risk associated with evacuating deaf and hard of hearing people
- Provides independence and reassurance to those unable to hear fire alarms
- Adheres to BS5839

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 and one serial RS232 data port input which is not programmed as standard on the Response Aid Unit.

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. In the event of a 230 volt mains failure a stand-by battery will support the system for >24 hours in non-alarm plus thirty minutes in alarm. There is a low voltage detection sounder which will alert in the event of low battery.

*Equality Act 2010 recommendations require all UK employers make a provision for disabled staff and customers in the area of fire safety.

Response Aid Paging System

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- Adheres to BS5839 and meets Equality Act 2010 recommendations
- Status indicator LED for Power and Transmission
- Antenna (dipole) installed external to equipment enclosure
- RS232 data port input
- RS232 data port programming
- Three contact closure alarms
- Normally Closed Contact – Monitoring output (to Fire Panel)
- Monitored power output
- Alphanumeric Pagers
- Compliance with the requirements of BS5839 part 1 low battery audible alarm in the event of mains failure
- Out of Range/No service indication to pagers
- Compatible with the Notifier serial protocol
- A 240-volt 3 pin plug (fused spur option)



Specifications

Response Aid Paging System

Mechanical Specification

- Height 27.2 cm
- Width 25.8 cm
- Depth 7.8 cm

Electrical Specification

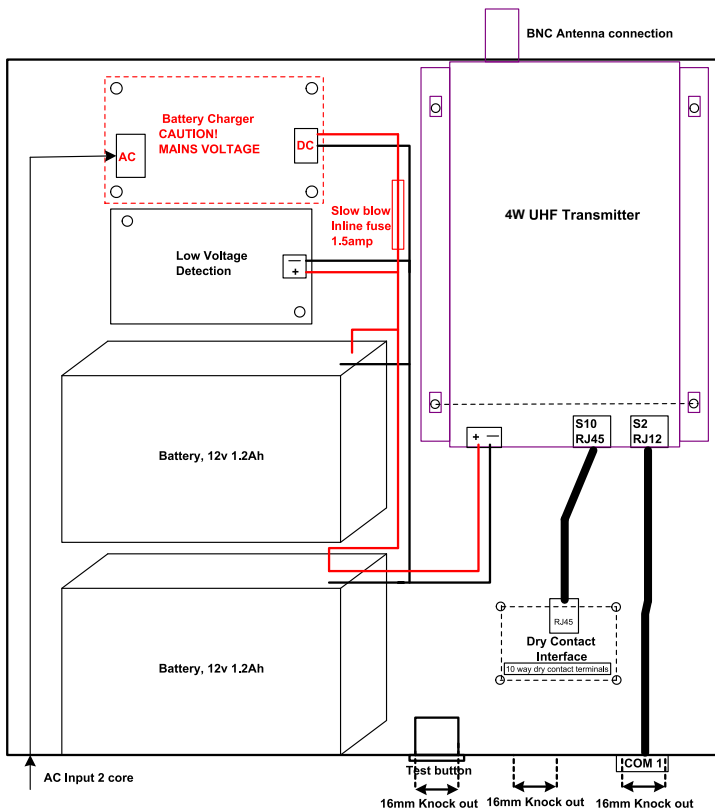
- Power supply 100-240v AC
- Power output 500mW to 4W ±1dB 50 Ω
- Power usage
 - Sleep: 40mA
 - Transmit: 1.2A approx
- Frequency Range UHF: 427.5 - 475MHz, synthesized
- Channel Spacing 12.5kHz
- Baud Rate (Transmission) 512 or 1200 Baud
- Transmit Message Format POCSAG
- Message Length Up to 240 characters in total

System Connectivity

- Interface RS232 serial connection to Notifier Control Panel + 3 dry contacts
- Programming Serial connection, 9600 Baud N:8:1 (for changing unit parameters and message output)
- Data Input Paging Protocols In addition to Notifier RS232 link, supports SALCOM, Scope, ESPA, Ascrom

Environmental Specifications

- Operating Temperature -10°C to +60°C



Response Pager

The Response pagers are simple, compact and discreet personal devices for short messages. They're lightweight, comfortable to wear and come with a robust belt/pocket clip.

- Simple, compact and discreet personal device
- Durable, rugged and reliable
- Lightweight and comfortable to wear
- Easy to read alphanumeric text
- Protective case
- Bright backlight
- Easy to replace batteries
- Low battery indication
- Unread message indication
- Robust belt clip
- Display Screen protector



Specifications

Response Link Pager HLS-RES-PAGBL

• Frequency range	440-470Mhz
• Dimensions	75mm x 51mm x18mm
• Weight	65g (inc Battery)
• Display	12 Line x 18 alphanumeric English characters
• Memory	Up to 60 messages
• Format	POCSAG, FLEXTM
• Power supply	AAA Battery
• Battery life	30 days without switching off

Response Wrist Watch Pager

The wrist watch pager allows users to respond to alerts quickly and easily with added comfort. The colour LED alphanumeric display can read up to 22 characters and includes alert modes: sound, vibrate and LED.

- Hand and PC programmable / USB ID programmer
- PLL or crystal, 137-930 MHz, POCSAG or Flex
- Alert modes: sound, vibrate, LED, silent
- 4 or 8 line English display, 3 zoom modes (English). Single colour or double colour
- Language support: Chinese, English, German, Korean, Turkish, Farsi, French
- Out of range, low battery, repeat message and unread message indicators
- Menu selectable, user choice special functions
- Second watch function
- Rechargeable Li battery






Specifications

Response Link Wrist Watch Pager HLS-RES-PAGWA

• Frequency range	138-930 MHz
• Cap codes	8
• Receiver type	Synthesized or crystal
• Baud rate	512, 1200, 2400 bps
• Paging sensitivity	-106dB @ 512 bps / -105DB@1200 bps/ -104dB @ 2400 bps
• Channel spacing	25 KHz or 12.5 KHz
• Frequency deviation	+/- 4.5 KHz
• Frequency stability	+/- 10 PPM
• Selectivity	> 55dB
• Image rejection	> 52db
• Spurious rejection	> 52db
• Intermediation	> 50db
• Alert tone volume	72dB+ @ 12 inch
• Weight	60g with battery
• Display	16 characters per line, 22 characters max.
• Dimensions	45mm x 46mm x 14mm
• Memory capacity	Up to 19 messages (3000 characters)
• Battery type	Rechargeable Li battery
• Operating Temperature	-10°C to 15°C

Product Range at a Glance

	Description	Item Code
	Response Aid Paging System	HLS-RES-AI
	Response System Survey Kit	HLS-RES-SK
	Response Plus/Aid 25 Watt Amp	HLS-RES-AMP
	Response Plus Interface Unit 4 Contacts	HLS-RES-INT4
	Response Plus/Aid Interface 32 Contacts	HLS-RES-INT32
	Response Straight Wire Antenna	HLS-RES-ANT1
	Response Dipole Antenna with 5mtrs cable	HLS-RES-ANT2
	Response RS232 (9 Pin DB) Spare Cable	HLS-RES-Cable
	Response Programming Software & Cable	HLS-RES-COM
	Pager Black (Only Use On Response Aid)	HLS-RES-PAGBL
	Wrist Pager (Black)	HLS-RES-PAGWA
	Response Radio Paging Licence (5 Years)	HLS-RES-LICENCE

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