

Response Plus & Link Paging Systems Data Sheet



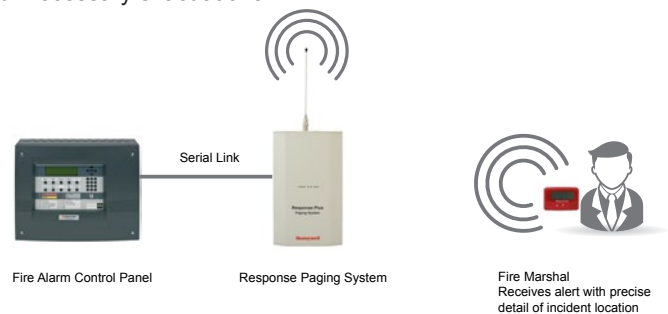
The Response Paging System offers the latest innovations in wireless paging and monitoring. It's a cost effective and flexible system that provides the ability to quickly identify, validate and respond appropriately to activated alarms.

Unnecessary evacuations have a significant impact on commerce and industry in terms of interrupted productivity, down-time and loss of revenue. They are also a considerable drain on the resources of the Fire and Rescue Services both in terms of lost time and costs.

- Save money and time by reducing evacuations through quickly identifying triggered alarms
- Improve response times by enabling personnel to identify the exact location of an alarm
- Sustain productivity, output and sales through the avoidance of unnecessary evacuations
- Enhance safety by improving the coordination of evacuations
- Build better relationships with the local fire authority

Response Plus paging system has a wide range of applications that will fit all types of industries requiring a paging network. It can also be integrated with Notifier by Honeywell fire detection systems that immediately notifies designated fire marshals exactly where an alarm has been triggered by displaying the fire

panel device message, thus ensuring alarms can be identified and validated quickly, reducing time and costs associated with unnecessary evacuations.



The Response Plus can be used to support four volt-free volt free contacts and serial data input. The contacts can be set to normally open N/O or normally closed N/C as required. When activated these will send pre-programmed messages to a particular pager address (which could be to an individual pager or group of pagers at the same time).

Response Link is an entry level paging system suitable for a range of applications. It includes 4 volt-free contact alarm outputs that provide basic emergency information whilst offering the same paging capability.

The Response Link supports 4 volt-free volt free contacts, which can be set to normally open N/O or normally closed N/C as required.

Response Plus Paging System

The Response Paging Systems consist of wall-mounted HIPS (High Impact Polystyrene) enclosure containing a transmitter enclosed in an aluminium surround. The units includes a 230-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 Response Plus can be used to support four volt-free volt free contacts and serial data input. The contacts can be set to normally open N/O or normally closed N/C as required. When activated pre-programmed messages will be sent to a particular pager address (which could be to an individual pager or group of pagers at the same time).

- Powerful 4W transmitter
- Compatible with the Notifier serial protocol
- Status indicator LED for Power and Transmission
- 230V AC mains power supply with fused spur option
- Antenna (dipole) installed external to equipment enclosure
- RS232 data port input
- RS232 data port programming
- Four contact closure alarms
- Alphanumeric Pagers (supplied separately)

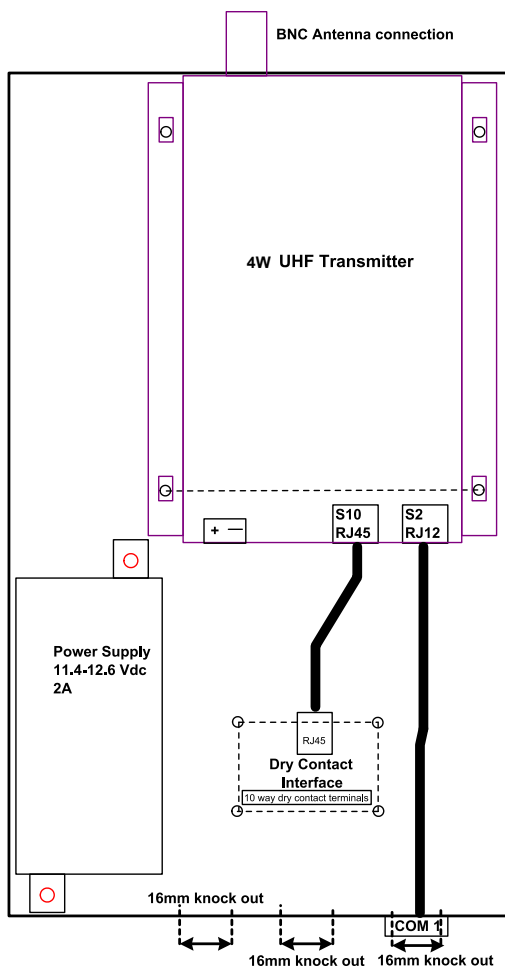


Specifications

Response Plus Paging System HLS-RES-PL

Mechanical Specification

- | | |
|----------|---------|
| • Height | 26.2 cm |
| • Width | 15.5 cm |
| • Depth | 5.0 cm |



Electrical Specification

- | | |
|----------------------------|--------------------------------------|
| • Power supply | 230v AC |
| • Power output | 500mW to 4W ± 1 dB 50 Ω |
| • Power usage | Sleep: 40mA
Transmit: 1.2A approx |
| • Frequency Range | UHF: 427.5 - 475MHz, synthesized |
| • Channel Spacing | 12.5kHz or 25kHz |
| • 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 + 4 volt-free 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, Ascom

Environmental Specifications

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

Optional Additions

(Technical approval required prior to order)

- Telephone interface
- 32 input volt-free contact expansion
- 25 Watt amplifier

Response Link Paging System

The Response Paging Systems consist of wall-mounted HIPS (High Impact Polystyrene) enclosure containing a transmitter enclosed in an aluminium surround. The units includes a 230-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 Response Link is an entry level paging system that supports 4 volt-free volt free contacts, which can be set to normally open N/O or normally closed N/C as required.

- 500mW Transmitter
- Compatible with the Notifier serial protocol
- Status indicator LED for Power and Transmission
- 230V AC mains power supply with fused spur option
- Antenna (dipole) installed external to equipment enclosure
- Three contact closure alarms
- Alphanumeric Pagers (supplied separately)



Specifications

Response Link Paging System HLS-RES-LI

Mechanical Specification

- | | |
|----------|---------|
| • Height | 26.2 cm |
| • Width | 15.5 cm |
| • Depth | 5.0 cm |

Electrical Specification

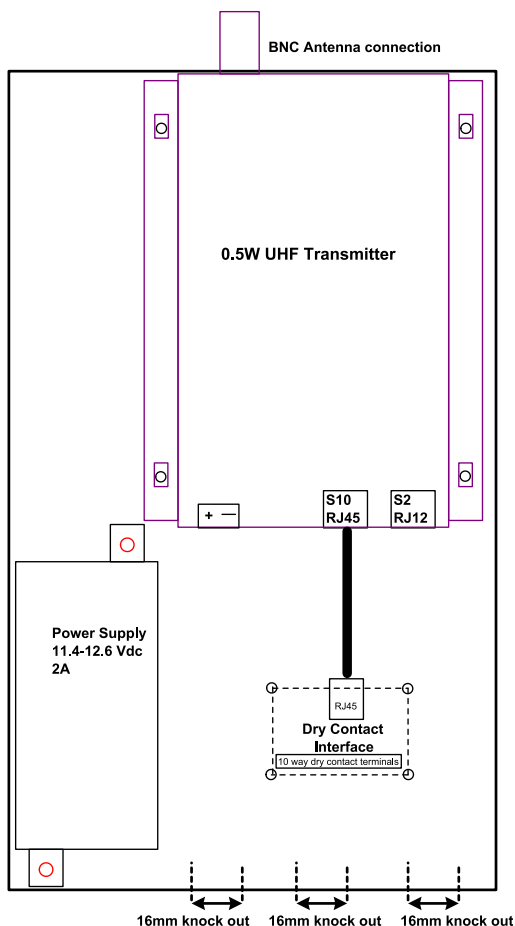
- | | |
|----------------------------|--------------------------------------|
| • Power supply | 230v AC |
| • Power output | 500mW |
| • Power usage | Sleep: 40mA
Transmit: 1.2A approx |
| • Frequency Range | UHF: 427.5 - 475MHz, synthesized |
| • Channel Spacing | 12.5kHz or 25kHz |
| • Baud Rate (Transmission) | 512 or 1200 Baud |
| • Transmit Message Format | POCSAG |
| • Message Length | Up to 240 characters in total |

System Connectivity

- Interface: 4 volt-free contacts
- Programming: Serial connection, 9600 Baud N:8:1 (for changing unit parameters and message output)

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 are lightweight, comfortable to wear and come with a robust belt/pocket clip.

Key Features

- 4-line alphanumeric display (20 characters per line / 15 characters bold)
- Up to 50 memory storage (up to 250 characters per message)
- Time and date display and stamping
- Unread message reminder alert / automatic message deletion
- Up to 16 messages can be locked
- Out-of-range indicator and battery level indicator
- Vibrate only, tone only and vibration & tone
- Eight different tone options
- Variable length of silent alert period
- Equality Act compliant and standard versions of both red and black pagers are available at time of order.



Specifications

Response Pager HLS-RES-PAGBL & HLS-RES-PAGRD

• Model Number	7950
• Frequency Range	433Mhz – 470Mhz
• Code Format	POCSAG
• Channel Spacing	12.5kHz
• Frequency Deviation	2.25kHz
• Battery Type	1 x AA
• Operating Temperature	-20°C to +50°C
• Weight	112 grams
• Dimensions	75mm x 50mm x15mm

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.

Key Features

- 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 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

Response Rechargeable Pager

The Response Rechargeable Pager is compact, convenient and offers discreet text messaging.

Key Features

- Ultra reliable crystal pager
- Rechargeable with a simple 4 line display
- Vibration, Tone and Flash alert available
- 20 message memory with side function button
- 8 programmable pre-set messages
- Programmable alert time (15 seconds, 30 seconds, 60 seconds, 120 seconds)
- Save money on replacement batteries
- Docking stations charge your pagers whilst not being used ensuring reliability and efficiency. Available with either 6 or 12 slots.



Specifications

Response Rechargeable Pager HLS-RES-PAGRCH

- | | |
|---------------------|------------------------------|
| • Pager type | Alphanumeric pager |
| • Frequency | 461.475 MHz |
| • Baud Rate | 512 or 1200 |
| • Code format | POCSAG |
| • Channel spacing | 25 KHz |
| • Sensitivity | 5 uV / m |
| • Selectivity | 60 dB @ + / -25 KHz |
| • Modulation scheme | FSK |
| • Programming ID | 2 Groups ID and 1 individual |



General

- | | |
|-------------|---|
| • Colour | Cranberry |
| • Lens | Honeywell |
| • Clip | Regular beltclip |
| • Dimension | L 92mm
W 54mm
D 19mm (without clip) |
| • Weight | 90 g |

Output Control Paging Receiver

The Output Paging Receiver is a high sensitivity, ultra low current paging receiver offering a cost effective remote switching solution which is simple to install and can be configured using any serial terminal program. It's a high sensitivity, ultra low current paging receiver which is able to control a single on-board relay and two open collector outputs. It is available in two versions, a VHF 12-88-7150 and a UHF 12-88-7450, both decoding 512 or 1200 baud, alphanumeric or numeric control messages.

Key Features

- Control equipment by turning the on-board relay on or off upon receipt of a control command.
- Control low current equipment or external relays by switching the open collector outputs independently upon receipt of an appropriate control command.
- Send the commands to a PC via the serial output of the paging receiver for remote serial control applications.



Duplex Repeater

The Duplex Repeater is a purpose designed repeater for the Honeywell Response Paging System. It is designed to extend radio coverage with the Response Paging family on fire event messages.

The repeater receives and transmits wirelessly and includes two dipole antennas; one for the receive connection and one for the transmit connection.



Specifications

Output Control Paging Receiver HLS-RES-REC

- | | |
|-----------------------------|--|
| • Dimensions: | 66mm x 50mm x 26mm |
| • Frequency range: | 440-470MHz |
| • Frequency Bands: | VHF: 136 - 174MHz
UHF: 440 - 470MHz |
| • Enclosure: | Plastic with mounting holes |
| • Supply Voltage: | 10v to 17v, Nominal 12V.
(If relay operation is not required 4-17V can be used) |
| • Outputs: | 3. One relay and two open collector |
| • Current drain: | Receive average 5mA plus 18mA when relay energised |
| • Relay contacts: | 1Amp @24VDC
(Not suitable for 230VAC connection) |
| • Open collector max. sink: | Outputs 2 and 3 can sink up to 80mA each |
| • Environmental Protection: | Needs protection from weather |
| • Frequency selection: | Synthesized, user selectable |
| • RX sensitivity: | Approximately -121dBm |
| • Receive Bandwidth: | 10kHz (suitable for 12.5kHz operation) |
| • Serial connection: | 9600 Baud N:8
(for changing unit parameters and message output) |
| • Aerial connection | Internal PCB, or external matched wire as required |
| • Paging Protocol | POCSAG 512 or 1200 baud |
| • Temperature limits: | -10°C to +50°C |

Specifications

Duplex Repeater HLS-RES-REPEAT

- | | |
|-------------------------|---|
| • Dimensions | 272mm x 258mm x 78mm Power Supply |
| • RF Frequency | UHF: 450 - 470 MHz |
| • Power Supply | AC power supply 100 – 240V AC 50/60Hz 0.7A |
| • Internal DC | Voltage Supply +13.5 V nom, +11.5 V to 15.2 V |
| • Input Current Standby | 100mA, Transmit: 1.3A approx |
| • Channel Spacing | 12.5 kHz |
| • RF Output Power | Up to 4 watt
(Site survey requirement dependant) |
| • Modulation | Carrier FSK with NRZ data |
| • Deviation | ±2.25 kHz or ±4.5 kHz |
| • Paging Baud Rate | 512 or 1200 |
| • RX Sensitivity | Approx -124dBm |
| • Spurious Outputs | -37dBm or less |
| • Type Approvals | AS/NZS4769, EN 300 224, FCC Pt 90 |
| • Paging Protocol | POCSAG |
| • Temperature Limits | -10°C to +50°C |

Site Survey Kit

The Response Paging Site Survey Kit is a simple and convenient solution for those conducting regular paging site surveys.

The Response Paging Site Survey Kit offers an all-in-one solution for those conducting regular paging site surveys. It comes in a lightweight and robust case that makes for safe and convenient transportation whilst also providing quick and easy set up to the user.

Key Features

Kit includes: Rugged case, 4w transmitter, pager, programming software, dipole antenna, power lead and USB lead

- Convenient and lightweight all-in-one kit
- Quick set up (no PC required on site)
- 4w transmitter as standard
- Flexibility to decrease to 500mW using the provided software (used for Response Link site surveys).



Specifications

Site Survey Kit HLS-RES-SK

- | | |
|-------------------------------------|--------------------------------------|
| • Dimensions (LxWxD): | 361mm x 289mm x 165mm |
| • Power Supply: | 230VAC or 12v battery (min 3.2 amps) |
| • Frequency Range: | UHF: 427.5 - 475MHz, synthesized |
| • Channel Spacing: | 12.5kHz or 25kHz |
| • Power Output: | 500mW to 4W $\pm$ 1dB 50 Ω |
| • Baud Rate (Transmission): | 512 or 1200 Baud |
| • Pager Transmit
Message Format: | POCSAG |

Product Range at a Glance

	Description	Item Code
Response Paging Systems		
	Response Aid Paging System - not required for DDA/Equalities Act Compliance (Serial Interface & Volt-free Contacts)	HLS-RES-AI
	Response Plus Paging System	HLS-RES-PL
	Response Link Paging System	HLS-RES-LI
	Response Radio Paging Licence (5 Years)	HLS-RES-LICENCE
The Response Aid System is also available in a DDA/Equalities Act Compliant variant (Volt-free Contacts Only) . This variant offers functionality specifically for systems where DDA/Equalities Act compliance is required. Part numbers are the same - please specify if DDA/Equalities Act compliance is required when ordering.		
Response Pagers		
	Pager (Black) - Standard (not to be used with a DDA/Equalities Act compliant system)	HLS-RES-PAGBL
	Pager (Red) - Standard (not to be used with a DDA/Equalities Act compliant system)	HLS-RES-PAGRD
	Wrist Pager (Black) - Standard (not to be used with a DDA/Equalities Act compliant system)	HLS-RES-PAGWA
	Rechargeable Pager - Standard (not to be used a with a DDA/Equalities Act compliant system)	HLS-RES-PAGRCH
Our range of Response pagers are also available in "DDA/Equalities Act compliant" variants. These variants offer functionality specifically for systems where DDA/Equalities Act compliance is required. Part numbers are the same - please specify if DDA/Equalities Act compliance is required when ordering.		
	6 Way Rechargeable Docking Station	HLS-RES-CHAR6
	12 Way Rechargeable Docking Station	HLS-RES-CHAR12
Accessories		
	Response Plus/Aid 25 Watt Amp	HLS-RES-AMP
	Full Duplex Repeater UHF RX/TX 4 Watts	HLS-RES-REPEAT
	Output Control Paging Receiver c/w PSU	HLS-RES-REC
	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 Programming Software & Cable	HLS-RES-COM
	Response RS232 (9 Pin DB) Spare Cable	HLS-RES-Cable
	Spare Power Supply for Rechargeable Docking Stations	HLS-RES-CHPSU
	1 x Spare Battery	4015-517
	Response System Survey Kit	HLS-RES-SK