

High Power Speaker Stations Series HPSS

Description

The Series HPSS High Power Speaker Stations provide reliable directional alarm tone notification and emergency voice instructions for industrial and facilities.

| | |
|----------|---|
| HPSS8WH | 800 watt speaker system, two 400 watt speakers |
| HPSS12WH | 1200 watt speaker system, three 400 watt speakers |
| HPSS16WH | 1600 watt speaker system, four 400 watt speakers |
| HPSS24WH | 2400 watt speaker system, six 400 watt speakers |
| HPSS32WH | 3200 watt speaker system, eight 400 watt speakers |

Speaker Assembly: Includes mounting bracket, 50 feet of speaker and speaker pole mount kit.

Control Enclosure: Includes NEMA4 stainless steel enclosure with ventilated battery compartment and mounting hardware. Siren control contains a microprocessor controller, conventional VHF or UHF radio, antenna with 20' of coaxial cable, antenna surge suppressor, local control push button alarms, tone generator, automatic gain control for live P.A., intrusion sensor, Class-D amplifiers, amplifier tray and battery charger. Battery compartment contains battery power switch, intrusion sensor, ventilation louvers, battery fuse and battery cables.

Battery Requirements

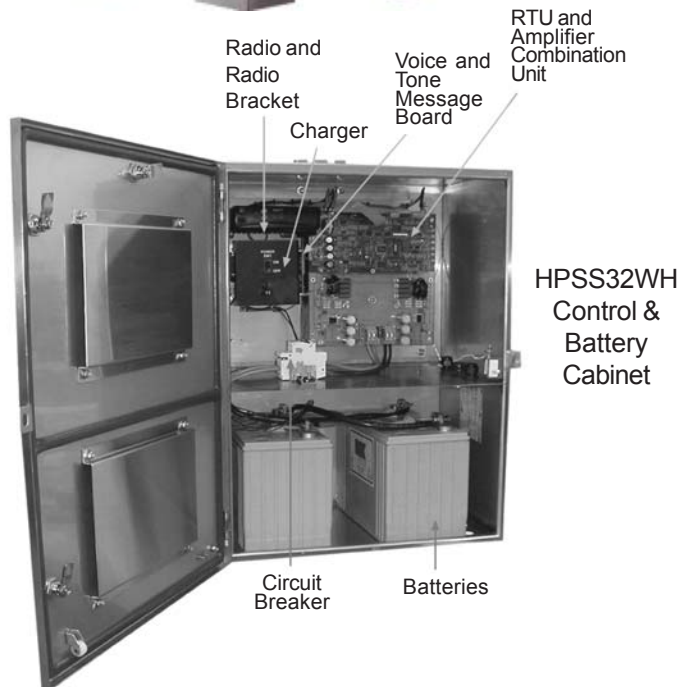
| Model | # of Batteries | # of Amplifiers |
|----------|----------------|-----------------|
| HPSS8WH | 2 | 1 |
| HPSS12WH | 2 | 1 |
| HPSS16WH | 2 | 1 |
| HPSS24WH | 4 | 2 |
| HPSS32WH | 4 | 2 |

Features

- Omni sound pattern of 121-127 dBC measured at 100 ft. (Depending on model)
- Directional sound pattern can be configured for 90, 180, 270 or 360 degrees
- Directional sound pattern can be configured for 121dBC or 127dBC
- Speaker head provides vertical tilt to control sound spilling outside an industrial facility property line
- Speaker head direction provides intelligible sound due to minimization of sound reflection
- Produces ten standard alarm tones and live P.A. broadcast
- Automatic gain control for live voice
- Local and remote status reporting



HPSS32WH
Speaker Assembly



HPSS32WH
Control &
Battery
Cabinet

- Local and remote Silent Tests
- Patented Class-D Amplifier uses a unique drive that reduces both stress & heating, and improves the output efficiency of the audio transducer
- PC boards are conformal coated preventing damage from harsh environments
- Local and remote alarm tone and pre-recorded message broadcasts
- Radio is used to receive and transmit FSK data signals
- The FSK transmissions include a security method to prevent unauthorized activations
- Temperature-compensated battery charger
- Push button

Ordering and Description Information

| Model Number | Order Code | Description | Weight (lbs.) |
|--------------|------------|--|---------------|
| HPSS8WH | 9960 | High Power Speaker Station equipped with (1) 800 Watt Speaker Head Assembly, NEMA-4 stainless steel Control Cabinet & Cabinet Mounting Bracket. The Control Cabinet contains: (1) wireless Controller, (1) UHF or VHF Radio, Antenna with 20' of Coaxial Cable, Antenna Surge Suppressor, (1) Push Button for local Activation, tone generator, automatic gain control for live Microphone operation, tamper switch, amplification tray, digital messaging module for up to 10 messages, battery charger, Battery Compartment which contains a battery power switch, intrusion sensor, ventilation louvers, fuse set & cables. The unit operates on either 120 or 240 VAC. | 70 |
| HPSS12WH | 9962 | Same as the HPSS8WH except the power is 1,200 Watts | 250 |
| HPSS16WH | 9964 | Same as the HPSS8WH except the power is 1,600 Watts | 300 |
| HPSS24WH | 9966 | Same as the HPSS8WH except the power is 2,400 Watts | 400 |
| HPSS32WH | 9968 | Same as the HPSS8WH except the power is 3200 Watts | 500 |
| DMRTWH | 9973 | Digital Message Recording Time per Message. | N/A |
| ENGWHxx | 99xx | Engineering charge (varies per institution) | |
| BAT-250M | 9959 | 12 VDC 50 AH Marine Battery | |

Specifications:

General

| | |
|--------------------------|--------------------------------|
| Operating Temperature | -30° C to +85° C |
| Humidity | 0% to 95% |
| | Non-Condensing |
| Standby w/out AC | 2.5 days (2 batteries) |
| | 5 days (4 batteries) |
| Alarm Duration | 30 minute duration |
| Weight | 187 lbs. (without batteries) |
| 800W Speaker Weight | 70 lbs. |
| Controller Cabinet (top) | H 24 in. x W 30 in. x D 13 in. |
| Battery Cabinet (bottom) | H 15 in. x W 30 in. x D 15 in. |

Electrical

| | |
|-------------------|---|
| AC Input Voltage | 120VAC/240VAC 50-60 Hz |
| Operating Current | 3.5 Amps for 120VAC/2.0 Amps for 240VAC |

Communications

| | |
|--------------------------|---------------------------|
| Communications | FSK (Frequency Shift Key) |
| Radio Output Power | 2-25 Watt |
| Antenna Surge Protection | 50,000 Amps IEC |

Amplifier

| | |
|-----------------------------|-------------|
| Frequency Operating Range | 250 to 5kHz |
| Output Impedance | 0.5 ohms |
| Thermal Shutdown Protection | 90° C |
| Total Harmonic Distortion | 5% |

WE SUPPORT AND ENCOURAGE NICET CERTIFICATION

**MADE IN THE USA
3 YEAR WARRANTY**

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