



ASHH

PowerTone Amplified Speaker

CPG Signals
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Description

CPG Signals Model ASHH PowerTone® Amplified Speaker is designed for use in hazardous locations. The unit produces a crisp, clear, high-decibel tone. The tone may be generated by a voice or tone generating system, by a compact, solid-state, plug-in card. The speaker cone and projector are of spun aluminum. The circuitry and tone card are contained in dust and moisture proof sealed housing of die-cast aluminum. An internal gain control allows for volume adjustment.

The amplified speaker is Listed for indoor and outdoor use, is NEMA 3 rated, and is finished in red enamel. Model ASHH Amplified Speakers operate at 24 VDC and are polarized for connection to system supervised alarm notification circuits.

Weatherproof and corrosion-resistant surface mount speaker is required.

Application

The PowerTone® Amplified Speaker is well suited for signaling in hazardous areas with high ambient noise levels and where a unique audible signal is required. The speaker is suitable for use in National Electrical Code (NFPA 70); Class I, Groups A, B, C, and D, Division 2; Class II, Groups F, G, Division 2; Class III hazardous locations.

When used in conjunction with a voice or tone generating system and a PTCK25 connector card, the speaker can produce multiple tones for various signal requirements. For single tone applications the universal tone card may be used.

The speaker may be used with any compatible 25 or 70Vrms audio system by using the PTCK25 or PTCK70 connector card. The speaker can be indoor or outdoor mounted. The ASHH is NEMA 3 rated.



Features

- 24 VDC polarized operation.
- UL sound pressure level 97dB(A) at 10 feet, (see chart).
- Multiple tone capability (w/PowerTone® System & PTCK).
- Wide selection of tone cards (single tone applications).
- Voice capable with PTCK audio interface card.
- Spun aluminum cone and projector.
- Die-cast aluminum circuitry housing.
- NEMA 3 rated enclosure.
- Internal gain control.
- Indoor and outdoor mounting.
- Operating Current: 24VDC .225A
- Temperature Range: -40° to 151°F.

Ordering Information

Model Number	Part Number	Description
ASHH24SMR	ASHH24SMR	Amplified Speaker for use in hazardous areas
U-TC	U-TC	Universal Tone Card
PTCK-25	PTCK-25	25vrms Connector Card
PTCK-70	PTCK-70	70vrms Connector Card



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Specifications

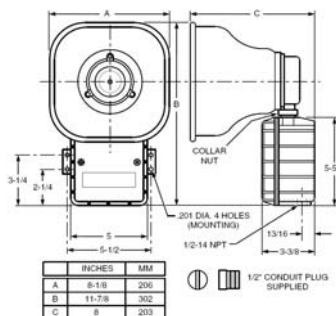
Alarm notification appliances shall be amplified speakers using solid-state circuitry. The unit shall be designed for use in hazardous locations. The amplified speakers shall operate at 24 VDC and be polarized for DC supervision. The amplified speaker circuitry shall be housed in a die-cast, dust and moisture proof aluminum housing which is NEMA 3 rated. The speaker cone and projector shall be of spun aluminum. Mounting hardware shall be stainless steel. The entire unit shall have a red finish. The amplified speakers shall be capable of clearly reproducing any number of tones. The tones shall be selectable by connection to a voice or tone generating signaling system using a PTCK25 connector card (for single or multiple tones) or a plug-in tone card (for single tone).

The amplified speakers shall be compatible with any 25 or 70Vrms audio system using the PTCK25 or PTCK70 connector card. The amplified speakers shall have an internal gain control for tone of indoor or outdoor mounting. The amplified speakers shall be suitable for use in National Electrical Code (NFPA 70): Class I, Groups A, B, C, and D, Division 2; Class II, Groups F, G, Division 2; Class III hazardous locations. The amplified speakers shall be capable of a UL sound pressure level at 10 feet of 97dB(A). The speakers shall be UL Listed for fire alarm signaling use. Alarm notification appliances shall be Harrington Signal Inc Model ASHH PowerTone® amplified speakers.

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Tone Card Sound (Model UTC)			Audible Frequency (Hz)	Repetition rate (cycles/min)	Audibility	
Selection	Name	Description			dB(A) Sound Power	UL dB(A) Sound Pressure
TM1	Wail	Conventional siren	550-1250	11	118.1	97.5
TM2	Yelp	Rapid siren	550-1250	3.3 Hz	118.0	97.4
TM3	Hi-Lo	Alternating high and low	560 and 760	50	116.9	96.3
TM4	Bell	Bell, struck repeatedly	800	50	115.8	95.2
TM5	Yeow	Descending high to low, repeated	1300 and 550	36	118.0	97.4
TM6	Horn	Steady horn	470	Continuous	112.2	91.6
TM7	Beep	Slow intermittent horn	470	50	110.8	90.2
TM8	Stutter	Rapid intermittent horn	470	5	110.3	89.7
TM9	Slow Whoop	Slow ascending, low to high – repeated	420 and 1160	15	116.1	95.5
TM10	Temporal Slow Whoop	NFPA coded slow whoop (fire alarm use only)	420 and 1160	15	113.9	93.3
Connector card model		Rated voltage				
PTCK25		25 VRMS			108.2	93.6
PTCK70		70 VRMS			107.7	93.1



NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice.