

# 3A W2H Signaling Devices

Cl. I, Div. 2, Groups A,B,C,D      Wet Locations  
 Cl. II, Div. 2, Group G  
 NEMA 3,7ABCD (Div. 2),9G (Div. 2)  
 Raintight  
 Dust-tight

3A Signals & Alarms

## Application:

- W2H series signaling devices are used:
- as independent audible signal or warning devices
  - in Class I, Division 2, Groups A,B,C,D hazardous areas where flammable vapors or gases may be present due to accidental or abnormal operation
  - in Class II, Division 2, Group G hazardous areas where combustible dusts may be present due to accidental or abnormal operation

## Features:

- The W2H is solid-state, compact, rugged but lightweight. The system is programmable, which allows the convenience of tone selection, without the need for separate tone modules. Each unit can be programmed for any one of four different tones (whoop, wail, hi-lo and horn), by wiring to the corresponding terminal on the unit's terminal strip. Separate sound modules not required.
- Unit may be field wired for multiple signal selection by manual or automatic control.
- 180° speaker rotation allows flexibility in direction of sound
- Corrosion-resistant conformal coating protects the printed circuit and other interior components.

## Standard Materials:

- Body – die-cast aluminum
- Projector – spun aluminum
- Hardware – stainless steel

## Standard Finishes:

- Body and projector – gray hammertone enamel
- Stainless steel – natural

## Sound Levels:

- Minimum audibility rating (dB) at 10': W2H Series – 93dB

## Electrical Rating Ranges:

- Nominal voltage – 24, 120, 240 ac; 60 Hz  
24 dc

## Certifications and Compliances:

- UL: Standard 886
- NEC: Class I, Division 2, Groups A,B,C,D, Class II, Division 2, Group G
- NEMA 3,7ABCD Division 2  
9G Division 2



W2H programmable signal

## Signal Selection:

Signal Terminal	Sound Description	Audible Frequency	Repetition Rate
#4 Whoop	Ascending low to high, repeated	Low tone – 400 Hz High tone – 850 Hz	48 cy/min.
#5 Wail	Conventional Siren	400 – 1100 Hz	24 cy/min.
#6 Hi-Lo	Alternating Hi-Lo	Low tone – 650 Hz; High tone – 850 Hz	24 cy/min.
#7 Horn	Steady	630 Hz	Continuous

## Normal Power

Nominal Voltage	Operating Current	Standby Current	Cat. #
24VDC	0.55A	0.06A	W2H840
24VAC	1.25A	0.13A	W2H640
120VAC	0.27A	0.03A	W2H620
240VAC	0.15A	0.02A	W2H660

## Dimensions (inches)      Dimensions are approximate, not for construction purposes.

