

# Farenhyt



## Selectable-Output Low Frequency Sounder and Low Frequency Sounder Strobes

### General

System Sensor's SpectrAlert Advance low frequency sounder and low frequency sounder strobes offers the most versatile and easy-to-use line of low frequency sounder and low frequency sounder strobes in the industry. With white and red plastic housings, dual listed for wall and ceiling mounting, SpectrAlert Advance can meet virtually any application requirement.

SpectrAlert Advance wall-mount low frequency sounder, and low frequency sounder strobes include a variety of features that increase their application versatility while simplifying installation. All devices feature plug-in designs with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults.

To further simplify installation and protect devices from construction damage, SpectrAlert Advance utilizes a universal mounting plate with an onboard shorting spring, so installers can test wiring continuity before the device is installed.

Installers can also easily adapt devices to a suit a wide range of application requirements using field-selectable candela settings, automatic selection of 12- or 24-volt operation, and a rotary switch for low frequency sounder tones.

### Features

- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Field-selectable candela settings on wall units: 135, 150, 177, and 185
- Low Frequency Sounder rated at 76+ dBA at 16 volts
- Rotary switch for low frequency sounder tone
- Universal mounting plate for wall units
- Mounting plate shorting spring checks wiring continuity before device installation
- Electrically compatible with legacy SpectrAlert devices
- Compatible with MDL3 sync module
- Listed for ceiling or wall mounting
- Meets NFPA 72 chapter 18 & 29 requirements for low frequency sounders

### Specifications

#### Physical

Wall Mount Dimension: 6.4" L x 4.7" W x 2.5" D  
(162 mm L x 119 mm W x 64 mm D)

### Agency Listings



### Low Frequency Sounder / Sounder Strobes

Sounder Dimensions: 5.6" L x 4.7" W x 1.3" D  
(142 mm L x 119 mm W x 33 mm D)

Low Frequency Sounder/Strobe with Surface Mount Back Box Dimensions (SBBR, SBBW): 6.4" L x 4.7" W x 4.3" D (162 mm L x 120 mm W x 108 mm D)

Low Frequency Sounder with Surface Mount Back Box Dimensions (SBBR, SBBW): 5.7" L x 4.8" W x 3" D (145 mm L x 120 mm W x 76 mm D)

### Electrical

Strobe Flash Rate: 1 flash per second

Nominal Voltage Low Frequency Sounder Strobe:  
Regulated 12 DC/FWR or regulated 24 DC/FWR<sup>1</sup>

Nominal Voltage Range Low Frequency Sounder:  
Regulated 12VDC/FWR<sup>1</sup>

Operating Voltage Range: 8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)

Operating Voltage Range MDL3 Sync Module: 8.5 to 17.5 V (12 V nominal) or 16.5 to 33 V (24 V nominal)

Input Terminal Wire Gauge: 12 to 18 AWG

*Notes: 1. Full Wave Rectified (FWR) voltage is a non regulated, time-varying power source that is used on some power supply and panel outputs.*

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<b>UL Current Draw Data</b>					
UL Max. Strobe Current Draw (mA RMS)					
	Candela	8-17.5 Volts		16-33 Volts	
		DC	FWR	DC	FWR
High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Low Frequency Current Draw (mA RMS)					
	dB	8-17.5 Volts		16-33 Volts	
		DC	FWR	DC	FWR
Sound Pattern					
Temporal	High	191	262	138	166
Continuous	High	292	384	138	208
Coded	High	292	388	153	205

UL Max. Current Draw (mA RMS), 2-Wire Low Frequency Sounder Strobe, High Candela Range (135-185 cd)									
	16-33 Volts				FWR Input	16-33 Volts			
	DC Input	135	150	177		185	135	150	177
Temporal	277	292	325	344	Temporal	296	309	343	351
Continuous	337	362	387	417	Continuous	393	395	432	433

<b>Low Frequency Sounder Tones and Sound Output Data</b>										
Low Frequency Sounder and Low Frequency Sounder Strobe Output (dBA)										
	Switch Position	Sound Pattern	8-17.5 Volts		16-33 Volts		24-Volt Nominal			
			DC	FWR	DC	FWR	Reverberant		Anechoic	
			DC	FWR	DC	FWR	DC	FWR	DC	FWR
1		Temporal	76	76	76	76	76	76	86	86
2		Continuous	80	80	80	80	80	80	90	90
3†		Coded	80	80	80	80	80	80	90	90

†Sounder ratings provided are for continuous voltage as provided by the NAC

## Specifications (cont.)

### Environmental

Operating Temperature Range:

32°F to 120°F ( 0°C to 49°C).

Operating Humidity Range:

10% to 93% relative humidity (non-condensing).

## Ordering Information

### Wall Low Frequency Sounder Strobes

P2RH-LF 2-Wire Low Frequency Sounder Strobe, High cd, Red

P2WH-LF 2-Wire Low Frequency Sounder Strobe, High cd, White

### Low Frequency Sounders

HR-LF Low Frequency Sounder, Red

HW-LF Low Frequency Sounder, White

### Accessories

BBS-2 Back Box Skirt, Wall, Red

BBSW-2 Back Box Skirt, Wall, White

SBBR Surface Mount Back Box, Wall, Red

SBBW Surface Mount Back Box, Wall, White

TR-HS Trim Ring, Wall, Red

TRW-HS Trim Ring, Wall White



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KNIGHT**

by Honeywell

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