ExitPoint™ Directional Sounder with Voice Messaging



Triggered by existing fire detection systems, directional sounders positioned at carefully chosen locations guide building occupants along escape routes and to perimeter building exits.

Features

- Listed to UL 464 and ULC S524 (indoor applications only)
- Designed to effectively guide occupants along escape routes in unfamiliar surroundings or in areas with poor visibility
- Includes five field-selectable power settings
- Reduces evacuation times by as much as 75 percent
- Includes four field-selectable routing evacuation patterns
- Works in open areas, corridors and stairs
- Provides fifteen different language selections
- Provides an optional disable feature for use in conjunction with a control module or heat sensor
- Has a compact design with a low profile

Agency Listings

c UL us LISTED
464 / S524

FM APPROVED
3027815

7135-1653:0175

The ExitPoint directional sounder model PF24V has an integral audio amplifier that produces a pulsating sound consisting of broadband low-, mid- and high-range sounds. The broadband noise makes it possible to determine the location of the sound. There are four pulse patterns that can be used to create an egress pathway out of a building and to mark perimeter exits. In addition to the broadband noise, the sounder is capable of playing an alert message in the form of a recorded voice message or other audible signals. These messages instruct occupants of the correct action to take as they approach the directional sounder, and enables them to react quickly and confidently when the sounder is activated. Fifteen different language combinations are available to instruct occupants that they are nearing an exit, a stairway up, a stairway down or an area of refuge. The PF24V directional sounder also incorporates an optional disable feature for use in conjunction with a control module or heat sensor.

The directional sounder features a number of field-selectable power settings, including high, medium-high, medium, medium-low, and low. Its low profile compact design and its ability to flush mount in a 4″ × 4″ × 2¼″ back-box provide installation ease and pleasing aesthetics.

ExitPoint directional sounders, fitted in addition to normal building evacuation sounders, draw people to evacuation routes in both good and poor visibility. The PF24V directional sounder can be used in a wide range of building applications. Trials consistently have shown an improvement of up to 75 percent in evacuation times in smoke and up to 35 percent without smoke. NFPA 72 provides installation and maintenance guidelines on directional sounders.

Specifications

Electrical Specifications		Mechanical Specifications	
Voltage Input	Regulated 24 Volts DC	**Input Terminals**	12–24 AWG
Operating Voltage Range	16 to 33 Volts	**Speaker Size**	4″ (101 mm)
Operating Temperature	32°F to 120°F (0°C to 49°C)	**Grille Size**	4 7/8″ (127 mm)
Power Setting	High, medium-high, medium, medium-low, and low.		

Current Draw Measurements and Sound Output Guide

Speed Selection	DIP Switch Selection	Power Setting	Maximum DC Operating Current (mA RMS) (16 to 33V)	Audibility (dBA) (16 to 33V) Note 1	Audibility (dBA) (16 to 33V) Note 2
Fast (Exit)	10	High	185	98	75
Fast (Exit)	10	Med-High	131	95	72
Fast (Exit)	10	Med	78	92	69
Fast (Exit)	10	Med-Low	76	89	66
Fast (Exit)	10	Low	64	86	63
Med-Fast	9	High	170	98	74
Med-Fast	9	Med-High	124	95	71
Med-Fast	9	Med	75	93	68
Med-Fast	9	Med-Low	73	90	65
Med-Fast	9	Low	62	87	62
Med-Slow	8	High	135	97	73
Med-Slow	8	Med-High	104	95	70
Med-Slow	8	Med	67	92	67
Med-Slow	8	Med-Low	65	89	64
Med-Slow	8	Low	57	87	61
Slow	7	High	120	98	72
Slow	7	Med-High	92	95	69
Slow	7	Med	62	92	66
Slow	7	Med-Low	61	89	63
Slow	7	Low	54	86	60

Note 1: Sound output measured in ULC anechoic room at 10 feet.
Note 2: Sound output measured in a reverberant room at 10 feet.

Power Setting Guide

DIP Switch Position 1 Setting	DIP Switch Position 2 Setting	DIP Switch Position 3 Setting	Power Setting
Off	Off	Off	High
On	Off	Off	Med-High
Off	On	Off	Med
Off	Off	On	Med-Low
On	On	On	Low

Additional Tone Selection

Switch Position 5 Setting	Switch Position 6 Setting	Sound Output
On	On	Area of Refuge
On	Off	Stairs Up
Off	On	Stairs Down
Off	Off	Exit Here

Enable/Disable Selection

Switch Position 4 Setting	Terminals 3 & 4	Sound Output
On	Open	Disabled
On	Closed	Enabled
Off	Open	Enabled
Off	Closed	Disabled

Language/audible tone selection guide

Rotary Switch Selection	Tone/Language
0	Audible tone/sweep
1	English
2	Spanish
3	French
4	English/Spanish
5	English/French
6	Korean
7	Cantonese
8	Mandarin
9	English/Cantonese
10	English/Mandarin
11	Cantonese/Mandarin
12	English/Korean
13	English/Portuguese
14	English/Russian
15	English/Polish

Ordering Information

Part No.	Description
PF24V	ExitPoint™ Directional Sounder with Voice Messaging
BBS-SP201W	Surface-Mount Back Box Skirt for PF24V

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