EXITPOINT

Directional Sounder

SYSTEM SENSOR ®

Models Available

PF24   ExitPoint™
               Directional Sounder

Product Overview

**Listed to UL 464
(indoor applications only)**

Five field-selectable power settings

**Four field-selectable routing
evacuation patterns**

Low profile, compact design

Language independent

**Ideal in unfamiliar surroundings or
poor visibility**

Works in open areas, corridors or stairs

**Reduces evacuation times by
as much as 75 percent**

The directional sounder model PF24 has an integral audio amplifier that produces a sound consisting of broadband low, mid and high range sounds in specific pulse patterns. ExitPoint™ directional sounders, fitted in addition to normal building evacuation sounders, draw people to evacuation routes in perfect and poor visibility. Triggered by existing fire detection systems, directional sounders positioned at carefully chosen locations guide building occupants along escape routes and to perimeter building exits.

The PF24 directional sounder incorporates four different field-selectable sound pulse patterns. The patterns consist of broadband noise that makes it possible to locate where the sound is coming from. The four pulse patterns are used to create an egress pathway out of a building and mark perimeter exits. The sound pattern becomes faster as the building occupant approaches the perimeter exit. Three additional tone pulses can be added to each of the four pulse patterns. Two of the tone pulses are used to alert occupants that they are approaching a stairway and need to proceed either up or down. The third tone pulse is a distinct tone used to identify areas of refuge. The PF24 directional sounder also incorporates an optional disable feature for use in conjunction with a control module or heat sensor.

The directional sounder features a wide range of field selectable power settings including: $^1/_4$, $^1/_2$, 1, 2, and 4 watts. Installation ease and pleasing aesthetics are achieved by the ability to flush mount in a 4˝ × 4˝ × 2$^1/_4$˝ back-box and a low-profile, compact design.

The PF24 directional sounder can be used in a wide range of building applications. Trials have consistently shown an improvement of up to 75 percent in evacuation times in smoke and up to 35 percent without smoke.

UL LISTED   ULC   FM APPROVED   MEA approved

Electrical Specifications

Voltage Input
Regulated 24 Volts

Operating Voltage Range
16 to 33 Volts

Operating Temperature
32°F to 120°F (0°C to 49°C)

Power
$1/4''$, $1/2''$, 1, 2, and 4 watts

Mechanical Specifications

Input Terminals
12–24 AWG

Speaker Size
4″ (101mm)

Grille Size
$4^7/_8$″ (127mm)

Sound Pattern Selection

Speed Selection			Maximum DC Operating Current (mA RMS) (16 to 33V)	Audibility (dBA) (16 to 33V) Note 1	Audibility (dBA) (16 to 33V) Note 2
Speed	Switch Selection	Power Setting			
FAST (exit)	10	4 Watt	225	85	78
FAST (exit)	10	2 Watt	114	82	76
FAST (exit)	10	1 Watt	74	79	73
FAST (exit)	10	$1/2$ Watt	62	76	69
FAST (exit)	10	$1/4$ Watt	49	73	66
MED1	9	4 Watt	221	85	77
MED1	9	2 Watt	112	82	74
MED1	9	1 Watt	74	79	71
MED1	9	$1/2$ Watt	61	76	68
MED1	9	$1/4$ Watt	48	73	65
MED2	8	4 Watt	203	85	78
MED2	8	2 Watt	103	82	75
MED2	8	1 Watt	68	79	73
MED2	8	$1/2$ Watt	56	76	69
MED2	8	$1/4$ Watt	44	73	66
SLOW	7	4 Watt	189	85	76
SLOW	7	2 Watt	96	82	73
SLOW	7	1 Watt	63	79	70
SLOW	7	$1/2$ Watt	52	76	67
SLOW	7	$1/4$ Watt	41	73	64

Additional Tone Selection

Switch Position 5 Setting	Switch Position 6 Setting	Sound Output
on	on	ALERT
on	off	UP Stairs
off	on	DOWN Stairs
off	off	No Tones

Enable/Disable Selection

Switch Position 4 Setting	Terminals 3 & 4	Sound Output
on	open	Disabled
on	closed	Enabled
off	open	Enabled
off	closed	Disabled

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

Accessories

Model	Description
BBS-SP201W	Surface mount back-box skirt for PF24

System Sensor Sales and Service