



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 (indoor applications only)
- Five field-selectable power settings
- Four field-selectable routing evacuation patterns
- Constructed to be effective in unfamiliar surroundings or poor visibility
- Designed to work in open areas, corridors or stairs
- Fifteen different language selections available
- Reduces evacuation times by as much as 75 percent
- Optional disable feature for use in conjunction with a control module or heat sensor
- Low profile, compact design

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 will instruct the occupants of what action to take as they approach the directional sounder, and will allow 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. Installation ease and pleasing aesthetics are achieved by a low profile compact design, and by the ability to flush mount in a 4" x 4" x 2¼" back-box.

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. The 2007 Edition of NFPA 72 now provides installation and maintenance guidelines on directional sounders.

Agency Listings



S0411



3027815



7135-1653:175



492-04-E

Specifications

| Electrical Specifications | | Mechanical Specifications | |
|---------------------------|---|---------------------------|-----------------|
| Voltage Input | Regulated 24 Volts | 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 | | | Maximum DC Operating Current (mA RMS) (16 to 33V) | Audibility (dBA) (16 to 33V) Note 1 | Audibility (dBA) (16 to 33V) Note 2 |
|-----------------|----------------------|---------------|---|--|--|
| Speed | DIP Switch Selection | Power Setting | | | |
| Fast (Exit) | 10 | High | 185 | 84 | 75 |
| Fast (Exit) | 10 | Med-High | 131 | 81 | 72 |
| Fast (Exit) | 10 | Med | 78 | 78 | 69 |
| Fast (Exit) | 10 | Med-Low | 76 | 75 | 66 |
| Fast (Exit) | 10 | Low | 64 | 72 | 63 |
| Med-Fast | 9 | High | 170 | 83 | 74 |
| Med-Fast | 9 | Med-High | 124 | 80 | 71 |
| Med-Fast | 9 | Med | 75 | 77 | 68 |
| Med-Fast | 9 | Med-Low | 73 | 74 | 65 |
| Med-Fast | 9 | Low | 62 | 71 | 62 |
| Med-Slow | 8 | High | 135 | 82 | 73 |
| Med-Slow | 8 | Med-High | 104 | 79 | 70 |
| Med-Slow | 8 | Med | 67 | 76 | 67 |
| Med-Slow | 8 | Med-Low | 65 | 73 | 64 |
| Med-Slow | 8 | Low | 57 | 70 | 61 |
| Slow | 7 | High | 120 | 82 | 72 |
| Slow | 7 | Med-High | 92 | 79 | 69 |
| Slow | 7 | Med | 62 | 76 | 66 |
| Slow | 7 | Med-Low | 61 | 73 | 63 |
| Slow | 7 | Low | 54 | 70 | 60 |

Note 1: Sound output measured in 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 |

Ordering Information

| Part No. | Description |
|--------------------|---|
| PF24V | ExitPoint™ Directional Sounder with Voice Messaging |
| Accessories | |
| BBS-SP201W | Surface mount back-box skirt for PF24V |

Additional Tone Selection

| Switch Position 5 Setting | Switch Position 6 Setting | Sound Output |
|---------------------------|---------------------------|----------------|
| On | On | Area of Refuge |
| On | Off | Up Stairs |
| Off | On | Down Stairs |
| 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 |



3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

©2007 System Sensor.
Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.
A05-0377-002 • 1/07 • #1761