



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)
- 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

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" x 4" x 2 1/4" 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. The 2007 Edition of NFPA 72 now provides installation and maintenance guidelines on directional sounders.

Agency Listings



S4011



3027815



7135-1653:175



492-04-EV.2

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 | 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 | 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 |

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 |



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

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