



System Sensor PA400

by Honeywell

Description

The System Sensor, model PA400 Mini-Alert™ Sounders provide primary and secondary signaling for fire and security applications. The PA400 Series is compact and reliable, ideal for hotel, motel, or residential fire system applications, where a smaller notification appliance is desired. The Sounders operate on 12 and 24 VDC and are offered in red, beige, and white.

The PA400 Mini-Alert piezo horn has a 90 dBA pulsed sound output, and operates over a range of 12 to 24 VDC and full wave rectified unfiltered. This compact device is ideal for hotel, motel, or residential fire system applications, where aesthetics demand a small indicating device.

Engineer's Specifications

Sounder shall be a System Sensor Model _____, capable of operating at 12 and 24 VDC. Sounder shall be listed to Underwriters Laboratories Standard 464 for fire protection signaling systems. Sounder shall have an operating temperature between 14°F and 140°F (-10°C to 60°C). Sounder shall have eight tone options, selected by means of clip(s).

Construction and Operation

The sounder operates electronically and uses the piezo effect. The sounder is mounted on a wall plate which is available in red, white or beige. The red-colored sounder is intended for use in the alarm indicating circuit of a UL Listed 12 or 24 VDC fire alarm control panel.

Mini-Alert™ Sounder



PA400

Features

- Attractive style (ideal for residential or hotel applications).
- Polarized for DC supervision.
- Interrupted tone.
- 90 dBA output at 10 feet (3 meters).
- Operates from 10 to 32 VDC.
- Low current drain.
- Simplified field-wiring with SEMS screws.
- Available in red, beige or white.
- Mounts in standard single-gang backbox.
- Three-year warranty.

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GAMEWELL-FCI

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Wiring

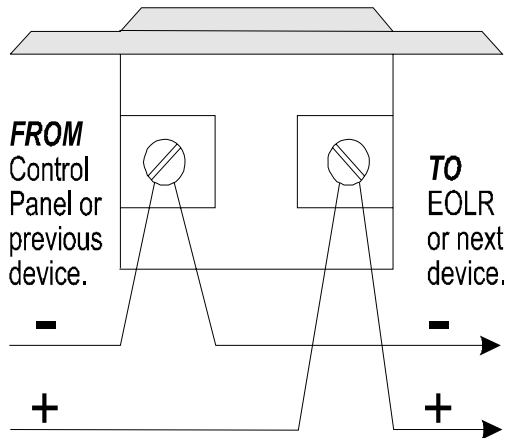


Figure 1

NOTE: Shown with control panel in alarm. Panel polarity reversed in supervisory condition.

Installation

Installation instructions are packaged with each unit. The PA400 is intended for mounting to a standard 2-1/2" deep single-gang box which allows sufficient clearance for conduit entrance. The PA400 is compatible with DC line supervision. The piezo sounder is polarized and has terminals marked with polarity. Apply positive supply voltage to (+) terminal and negative supply voltage to the (-) terminal [See wiring diagram]. Mount the appliance on the electrical outlet box using the two mounting screws supplied. Wiring must be in compliance with all codes and not be of such length or wire size which would cause the appliance to operate outside of its published specifications.

The National Fire Protection Association has published codes, standards, and recommended practices for the installation and use of sounders and strobes. It is recommended that the installer be familiar with these requirements, with local codes, and any special requirements of the Local Authority Having Jurisdiction.

Specifications

Mechanical: AWG: 12 to 18 (3.25 mm² to 0.75 mm²)
Dimensions
without strobe: 4 1/2" H x 2 3/4" W x 1 1/8" D
 (11.43 H x 7 W x 3 D cm)
Weight without strobe: 2.4 oz. (68 g)
Mounting: 2.1/2" (6.35 cm)
Operating temperature range: 14° F to 140° F (-10° C to 60° C)
Operating voltage: 12 and 24 VDC and full-wave rectified unfiltered. VDC; actual 24-volt operating voltage
Current Draw/Sound Output:

		PA400R PA400B- PA400W
Current (mA)	12 VDC	20.8
	24 VDC	47.4
@ 10 ft. (3.05m)		90 dBA

Ordering Information:

Part Number	Description
PA400R	90 dBA Sounder, (red) Voltage: 12/24 VDC Current: 20.8mA/47.4mA
PA400W	90 dBA Sounder, (white) Voltage: 12/24 VDC Current: 20.8mA/47.4mA
PA400B	90 dBA Sounder, (beige) Voltage: 12/24 VDC Current: 20.8mA/47.4mA

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