

Model SR-PA1

Presence Sensor with Audio Analyzer

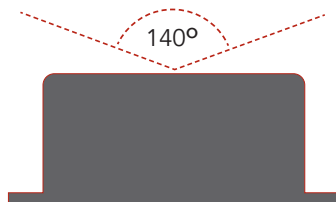
Dual Function Sensor for Human Presence & Audio Output

Presence Sensing

Using the ultra-wideband sensor, customer presence is measurable in multiple aspects including presence, proximity, and length of time. The sensor can be hidden behind wood, plastic, or glass fixture elements. Its wide angle reception pattern (140°) and variable range, ensures reliable data collection.

Audio Analysis

The SR-PA1 has an on-board sound frequency analyzer. An example application is in an active speaker demonstration. Used in combination with an Access Connected World media player, the frequency analyzer can be used to confirm speaker functionality using a tone test. As each loudspeaker plays back a test tone generated by the audio player, the SR-PA1 reports the minimum, maximum, and average amplitude values of the tone over a set time period. The ultra sensitive frequency analyzer can even distinguish the test tone from background noise, providing confirmation of each speaker's availability for demonstration.



Functional Characteristics

- Ultra-wideband presence sensor
- Detects human presence and proximity
- Range Distance: programmable between 70cm to 5 meters
- Sensing angle: 140 degrees
- Operates through non-conductive materials like glass, plastic, and wood
- Ultra sensitive on-board frequency analyzer

Inputs and Outputs

- Standard In/Out: 2x RJ45 port
- Indicator: 1x green LED

Power Input Specification

- Power Entry Port: RJ Port (RS-485)
- Voltage: 5V DC

Mechanical Details

- Dimensions (WxLxH, w/ flanges): 3.87 x 2.11 x 1.5 (in.) 98 x 54 x 38 (mm)
- Mounting Hole Spacing: 3.27" (83mm)
- Case Type: Custom plastic enclosure
- CAD Drawing: Available on request



Access Connected World is made up of three things: smart "endpoints" (interactive displays, touchscreens, and other sensors or devices) connected by a data "backbone" to a smart "dashboard" that makes sense of all the sensor data and enables custom functionality and reports.

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Access Connected World keeps you in touch with all of your assets in the field. It allows you to see the health of every one of your installed displays, and acts as a conduit for customer data vital for ROI calculations and analytics. It can tell you how many customers interact with your displays, and the health of all connected systems, and also lets you push updates.

Example System: Interactive Speaker Display

The SR-PA1 reports human presence and verifies audio functionality for this Access Connected World interactive speaker display. The ultra wideband sensor is designed to detect the smallest movements to ensure the most accurate traffic count and dwell times for your experience. Sensitivity can be adjusted to the desired range. Unlike a standard PIR-type sensor, the SR-PA1 does not need line-of-sight to function and can be hidden behind most non-conductive materials. The SR-PA1 can also verify that all speakers on display are operational. The tests are activated and performed using an AccessCW MediaHub, as shown.



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Audio Authority Corporation
2048 Mercer Road, Lexington, KY 40511-1071 USA
Phone: 859-233-4599 • Fax: 859-233-4510
Customer Toll-Free USA & Canada: 800-322-8346
audioauthority.com • sales@audioauthority.com