

ACC-SENSOR1

Environmental Sensor

AGILE-CORE™
Distributed Edge Architecture

PROJECT:

QTY:

TYPE:

CATALOG:



SYSTEM OVERVIEW

The AGILE-CORE™ Distributed Edge Architecture solution is an intelligent power distribution and control system that leverages safe DC power to reduce the total installed and operating cost of a project while providing the best IT and OT networks possible.

OVERVIEW

The AC-SENSOR1 senses motion, daylight, temperature and humidity. It communicates wirelessly with other connected AGILE-CORE™ devices using our 6LoWireless protocol to enable controls for vacancy, occupancy, daylight harvesting, temperature, and humidity monitoring.

FEATURES:

- Passive Infrared sensor with 8-12' and 40' mounting heights
 - Enables flexible placement of sensor within a space
- Daylight sensor – Increase energy savings by dimming the lights when the space is adequately lit by natural light
- Acquires temperature & humidity data about the space that may be shared with the HVAC system for maximum occupant comfort and energy savings
- Software configurable settings – Adjust settings remotely
- 24VDC wired powered – Eliminates the need maintain and dispose of batteries
- Can be installed flush into ceilings, walls or other flat surfaces
- Includes blinders to optimize detection region of motion & ambient light sensor
- LED indicator lights let you know if the sensor is functional and sensing motion

SPECIFICATIONS:

Electrical	24VDC (2 conductors 9-30VDC)
Mechanical	<ul style="list-style-type: none">• Dimensions: 2 11/16" (68.6 mm) w with tip; 2 1/4" (57.5 mm) W; 1 11/16" (42.9mm) H; 1 1/4" (32.35mm) G• Color: Matte white
Communication	<ul style="list-style-type: none">• Protocol: Embedded 6LoWireless• Wireless transmit range: Should be installed within 75' of an AMBR or other wireless node• # of walls: Range decreases by 50% through each interior wall• Encryption: AES 128-bit
System Performance	Max # of devices: 200 per AMBR border router
Environmental	<ul style="list-style-type: none">• Operating temperature: -20°F to +100°F (-28°C to 37°C)• Temperature accuracy: ±0.9°F from 59°F to 104°F (±0.5°C from 15°C to 40°C)• Relative humidity operating: 0% to 95% non-condensing• Humidity accuracy: +/- 3.5% rH from 20% to 80% rH• For indoor use only
Listings	<ul style="list-style-type: none">• Meets latest ASHRAE Standard 90.1 requirements• Meets latest IECC requirements• Meets latest CEC Title 24 requirements
Warranty	5-year limited warranty

ACC-SENSOR1

Environmental Sensor

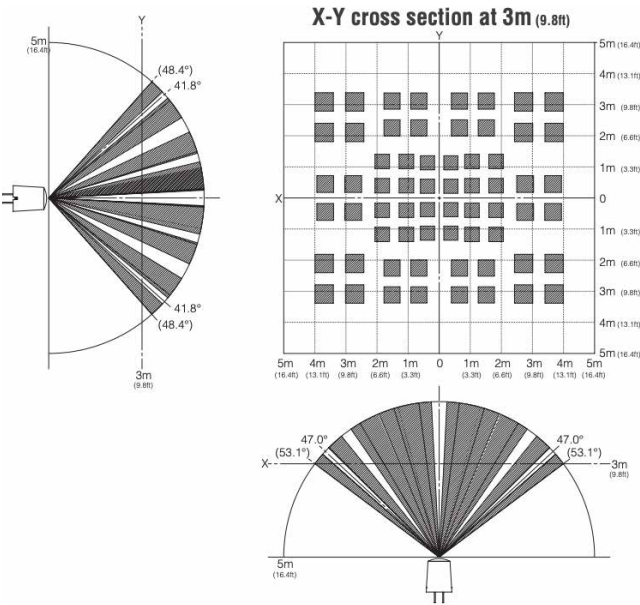
AGILE-CORE™

Distributed Edge Architecture

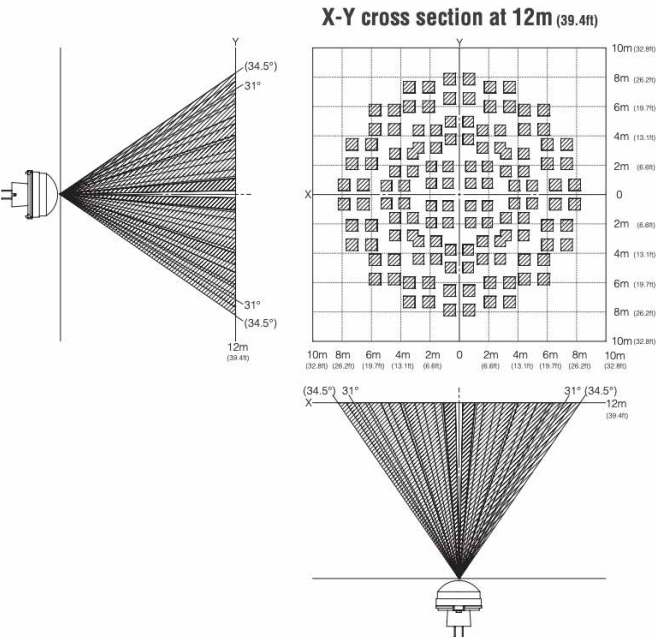
ORDERING GUIDE:

Catalog Number	Description
ACC-SENSOR1	AGILE-CORE™ Environmental Sensor 6LoWireless 24VDC 8-12'MH
ACC-SENSOR1-HB	AGILE-CORE™ Environmental Sensor 6LoWireless 24VDC 40'MH

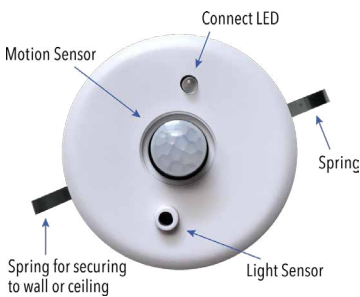
ACC-SENSOR1 DETECTION RANGE



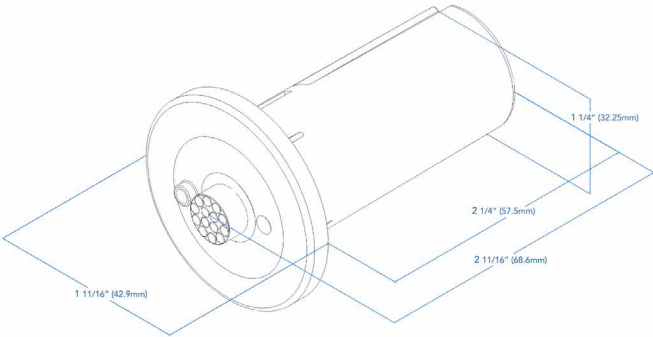
ACC-SENSOR1-HC DETECTION RANGE



SENSOR DIAGRAM



DIMENSIONED ISOMETRIC



ACC-SENSOR1 Environmental Sensor

AGILE-CORE™
Distributed Edge Architecture

SENSOR BLINDERS (included)



AGILE-CORE POWER DISTRIBUTION AND CONTROL SYSTEM

