

## OVERVIEW

The Alternating Off (AO) relay control scheme for 2-Pole occupancy sensors provides high/low control of fixtures with dual or step dimming ballasts/drivers while ensuring even wear of lamps/LEDs. With the "AO" relay scheme, one lamp turns off and remains off during vacancy periods. However, to assure even lamp wear, the off lamp is alternated each occupancy cycle. When coupled with the Low Temp (LT) option, this scheme is also ideal for cold storage or freezer environments, where it is desired to always keep the lamps warm. The Alternating Off relay control scheme is also provided as a non-default setting in standard (models without AO option) 2-Pole occupancy sensors.

## FEATURES

- Push-Button Programmable
- Adjustable Time Delay
- No Field Calibration or Sensitivity Adjustments Required
- 100% Digital PIR Detection, Excellent RF Immunity
- 2 Self-Contained Relays, No Power Packs Needed
- No Minimum Load Requirements
- Interchangeable Hot & Load Wires, Impossible to Wire in Reverse
- Convenient Test Mode

## Warranty

Five-year limited warranty. Complete warranty terms located at:  
[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice

# sensorswitch®

*SBR 10 2P AO*  
*Low Mount 360° Sensor:*  
*2 Pole*



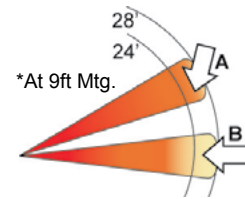
## ORDERING INFORMATION

SBR 10 2P AO			Example: SBR 10 2P AO WH LT
Series	Voltage	Color	Temp / Humidity
SBR 10 2P AO Low Mount 360° Sensor	[blank] 120/277 VAC (MVOLT) 347 347 VAC	WH White BK Black	[blank] Standard LT Low Temp

## COVERAGE PATTERN

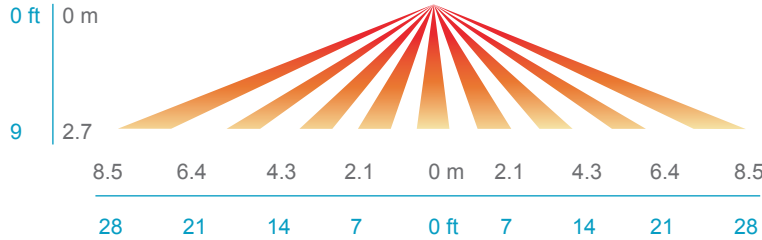
### LOW MOUNT 360° LENS

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 28 ft (8.53 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage

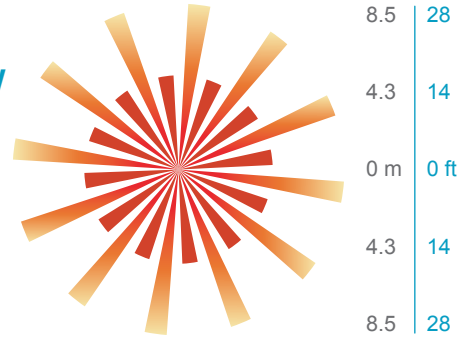


A: When walking across beam, detection will occur at approximately 28 ft (8.53 m)  
B: When walking into beam, detection will occur at approximately 24 ft (7.32 m)

### SIDE VIEW



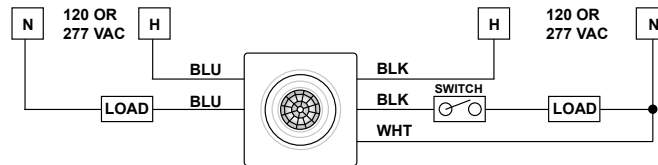
### TOP VIEW



## WIRING (DO NOT WIRE HOT)

### STANDARD WIRING

- |        |                 |                                |
|--------|-----------------|--------------------------------|
| BLACK* | - Line Input 1  | } *BLACK wires can be reversed |
| BLACK* | - Load Output 1 |                                |
| BLUE** | - Line Input 2  | } **BLUE wires can be reversed |
| BLUE** | - Load Output 2 |                                |
| WHITE  | - Neutral       |                                |



### 347 VAC OPTION (347)

Black wires are replaced w/ Red wires

### INITIAL POWER UP

The sensor's relays are shipped in a latched closed position so the lights will come on upon initial power-up. If the lights do not immediately turn on (initial installation only) the latching relays opened during shipment and will close within 30 secs.

**Note:** If the sensor loses power, the internal relays will latch to on.

## SPECIFICATIONS

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### Electrical

<b>Input Ratings</b>	120-277V, 80 mA, 50/60Hz 347V, 50 mA, 50/60Hz 480V, 60 mA, 50/60Hz
<b>Output Ratings</b>	120V, 800W/6.67A - Tungsten, Standard Ballast, Electronic Ballast 277V, 1385W/5A - Tungsten 277V, 1200VA/4.3A - Standard Ballast, Electronic Ballast 347V, 1500VA/4.3A - Standard Ballast 480V, 2400VA/5A - Standard Ballast 120V, 1/2HP - Motor
<b>Relay Type</b>	Latching
<b>Standards/ Ratings</b>	Energy Management Equipment, UL916 (E167435)

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### Mechanical

<b>Dimensions</b>	3.40"H x 3.40"W x 1.40"D (86mm x 86mm x 36mm)
<b>Mounting</b>	Recessed
<b>Connection Type</b>	Line-Voltage Leads

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### Environmental

<b>Warrantied Operating Temperature</b>	32°F to 140°F (0°C to 60°C)
<b>Relative Humidity</b>	Up to 90%, Non-Condensing
<b>Environment</b>	Indoor
<b>Standards/ Ratings</b>	RoHS