

## OVERVIEW

The RMR 50 Series occupancy sensor provides bi-directional high bay aisleway sensing extending 70-110 ft (21.34 - 33.53m) when mounted at heights of 30-45 ft (9.14 - 13.72m). This sensor is line powered and is designed to recess mount into a luminaire or junction box. The sensor's view pattern covers the area lit by three typically spaced high bay fixtures. Therefore, when mounted at a fixture, the coverage area extends out to the area that is lighted by the neighboring fixtures. This effect is useful with some program-start ballasts that have a delay such that when traveling in a fork-lift truck, lighting needs to be initiated on ahead of the truck.

## FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- Up to 45 ft (13.72 m) Mounting
- Self-Contained Relay, No Power Pack Needed
- Compatible w/ LEDs, Electronic & Magnetic Ballasts, CFLs, & Incandescents
- Interchangeable Hot & Load Wires, Impossible to Wire Backwards
- Push-Button Programmable
- Adjustable Time Delays
- No Field Calibration or Sensitivity Adjustments Required
- Convenient Test Mode
- 100 hr Lamp Burn-in Timer

## SPECIFICATIONS

Size: 4.40" Square

Weight: 6 oz

Mounting: 4" x 4" square junction box with or without two-gang mudring

Color: White

Maximum Load(per pole):800W @ 120 VAC, 1200W @ 277 VAC, 1500W @ 347 VAC

Motor Load: 1/4 HP

Frequency: 50/60Hz

Dimming Load: Sinks <20 mA; ~40 Ballasts @ .5 mA each

ROHS compliant

## 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.



*Sensor Switch™*

**RMR 50**  
*High Bay Aisleway Sensor*



## ORDERING INFORMATION

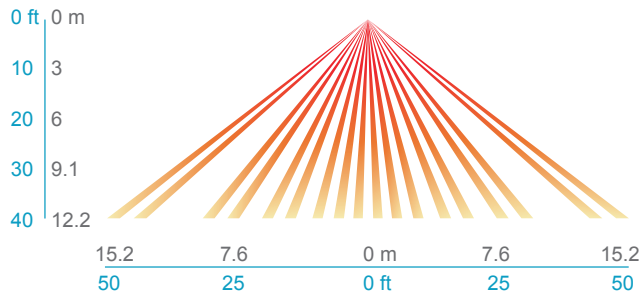
RMR 50					Example: RMR 50 DP LT	
Series		Dimming		Photocell	Voltage	Temperature/Humidity
RMR 50	Recessed Mount Sensor	[blank] None	D Occupancy Controlled Dimming	[blank] None P Photocell	[blank] 120-277V 347 347V	[blank] Standard LT Low Temp

## COVERAGE PATTERN

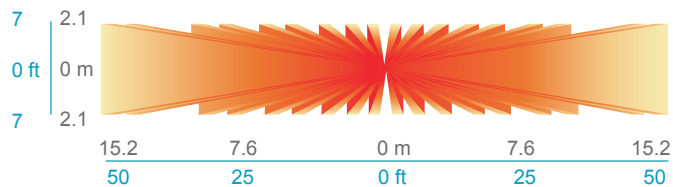
### 50 HIGH BAY AISLEWAY LENS

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction

#### SIDE VIEW

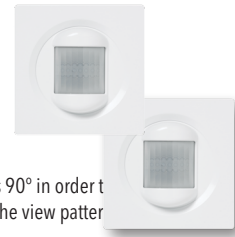


#### TOP VIEW



#### 90° LENS ROTATION

The sensors lens turret rotates 90° in order to easily adjust the direction of the view pattern



## WIRING (DO NOT WIRE HOT)

### STANDARD WIRING

- |               |               |                                |
|---------------|---------------|--------------------------------|
| <b>BLACK*</b> | - Line Input  | } *BLACK wires can be reversed |
| <b>BLACK*</b> | - Load Output |                                |
| <b>WHITE</b>  | - Neutral     |                                |

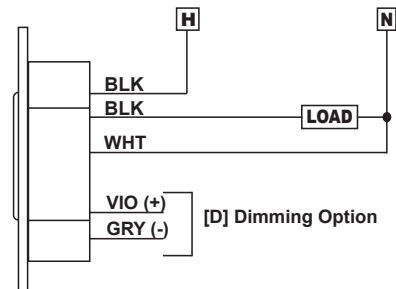
### 347 VAC OPTION (347)

Black wires are replaced w/ Red wires

### INITIAL POWER UP

The sensor's relay is 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 relay opened during shipment and will close within 30 secs.

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



### DIMMING OPTION (D)

- VIOLET - Connect to Violet control wire from 0-10 VDC dimmable ballast
- GRAY - Connect to Gray common wire from ballast