

OVERVIEW

The **CMRB PDT 9** Series occupancy sensors combine the industry's leading Passive Infrared (PIR) technology with Microphonics™ for excellent detection in areas with and without obstructions. Capable of being mounted to pendant or surface mounted fixtures utilizing a 1/2" knockout, the **CMRB PDT 9** runs on line voltage and switches loads directly without the need of a power pack.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 360° Coverage Pattern
- Patented Dual Technology with PIR / Microphonics Detection
- Self-Contained Relay, No Power Pack Needed
- No Minimum Load Requirements
- 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: 3.63" H x 3.63" W x 1.50" D (9.22 cm x 9.22 cm x 3.81 cm)
 Weight: 6 oz
 Mounting: 1/2" knockout
 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



Sensor Switch™

CMRB PDT 9
 Standard Range 360° Sensor



Warranty

Five-year limited warranty. Complete warranty terms located at:
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.



ORDERING INFORMATION

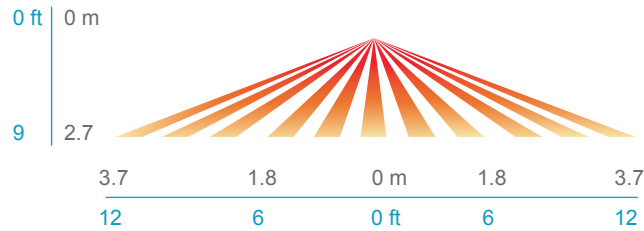
CMRB PDT 9		Example: CMRB PDT 9 ADC 347	
Series	Dimming/ Photocell	Voltage	Temp/Humidity
CMRB PDT 9 Standard Range 360° Sensor	[blank] None D Occupancy Controlled Dimming P Photocell ADC Photocell w/ Dimming	[blank] 120/277 VAC 347 347 VAC	[blank] Standard LT Low Temp/ High Humidity

COVERAGE PATTERN

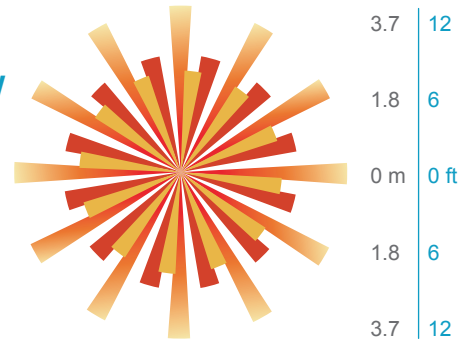
9 STANDARD RANGE 360° LENS W/ MICROPHONICS™

- Best choice for small motion (e.g. hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage
- Microphonics™ provides overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is also utilized to prevent non-occupant noises from keeping the lights on.

SIDE VIEW



TOP VIEW



WIRING (DO NOT WIRE HOT)

STANDARD WIRING

- BLACK*** - Line Input
 - BLACK*** - Load Output
 - WHITE** - Neutral
- *BLACK wires can be reversed

347 VAC OPTION (347)

Black wires are replaced w/ Red wires

DIMMING OPTIONS (D, ADC)

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

GRAY - Connect to Gray common wire from ballast

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.

