

OVERVIEW

The **CMRB 10** Series occupancy sensor mounts directly to the end of a pendant or surface mount fixture and utilizes the industry's leading Passive Infrared (PIR) technology to provide maximum viewing from the ceiling. The sensor is line powered and can switch loads directly without the need for a power pack. When mounted at 9 ft (2.74 m), this sensor views up to 28 ft (8.53 m) in all directions. Its circular coverage pattern is designed for walking motions; making it ideal for T-shaped intersections in corridors, or other areas where wall mounting a sensor is not practical. The CMRB 10 is also the best sensor for low ceiling applications. For example, when mounted at only 7 ft (2.13 m), the height of pick aisles in many distribution centers, the **CMRB 10** provides a 32 ft (9.75 m) diameter pattern of coverage. In applications where detection of minor motion is also required, the **CMRB PDT 10** Series Dual Technology sensor is recommended.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 360° Coverage Pattern
- 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	

AcuityControls™

Sensor Switch™

CMRB 10
Extended 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.



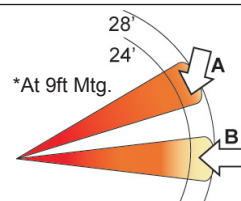
ORDERING INFORMATION

CMRB 10			Example: CMRB 10 ADC 347
Series	Dimming/ Photocell	Voltage	Temp/Humidity
CMRB 10 Extended 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

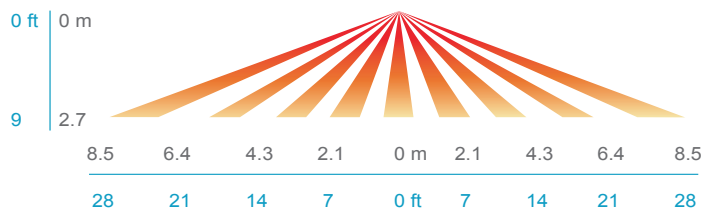
10 EXTENDED RANGE LENS

- Best choice for large motion detection (e.g. walking)
- 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

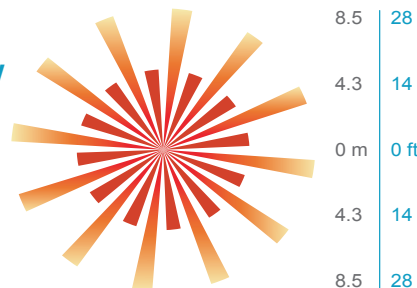


A: When walking across beam, detection will occur at approximately 28 feet. (8.53 m)
B: When walking into beam, detection will occur at approximately 24 feet. (7.32 m)

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.

