

## OVERVIEW

The CMB 10 Series occupancy sensor mounts directly to a 1/2 inch knockout in a fixture or junction box and provides the industry's best Passive Infrared detection. 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 56 ft (17.07 m) in diameter and 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. In applications where detection of minor motion is also required, the CMB PDT 10 Series Dual Technology sensor is recommended.

## FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 360° Coverage Pattern
- Push-Button Programmable
- User 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 (9.22cm x 9.22cm x 3.81cm)

Weight: 6 oz

Mounting: 1/2" knockout

Color: White

Maximum Load (per pole): 12-24 VAC/VDC

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.

**AcuityControls™**

*Sensor Switch™*

**CMB 10**

*Extended Range 360° Sensor*



## ORDERING INFORMATION

CMB 10		Example: CMB 10 ADC LT					
Series	Relay	Dimming/Photocell		Visible Light Programming		Temp / Humidity	
CMB 10 Fixture Mount Box	[blank] None R Low Voltage Relay	[blank] None D Occupancy Controlled Dimming P Photocell ADC Photocell w/ Dimming	[blank] None VLP Visible Light Programming <sup>1</sup>	[blank] Standard LT Low Temp			

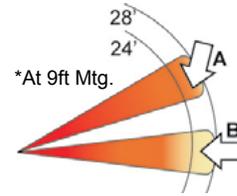
### Notes

1. Must specify P or ADC if VLP is ordered and must be within 5ft of sensor to program

## COVERAGE PATTERN

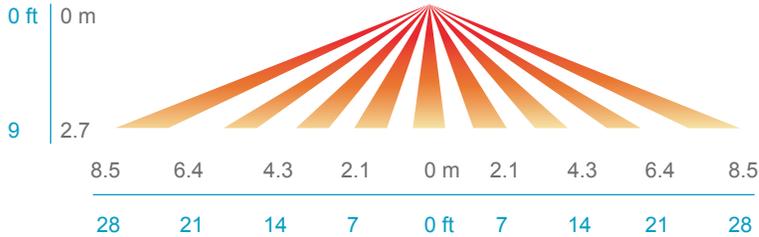
### 10 Extended Range 360° Lens

- 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

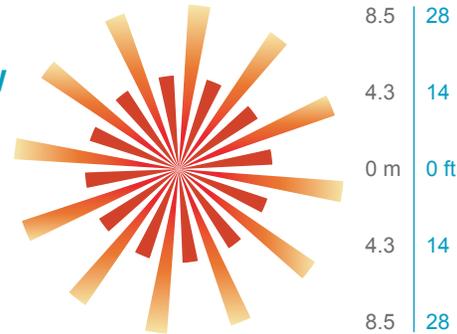


A: When walking across beam, detection will occur at approximately 28 ft (8.53 m)  
 B: When walking into beam, detection will occur at approximately 24 ft (7.32 m)

#### SIDE VIEW



#### TOP VIEW



## WIRING (DO NOT WIRE HOT)

### STANDARD WIRING

RED - Power Input (12-24 VAC/VDC)

BLACK - Common

WHITE - Occupancy State (high VDC for occupied)

### PHOTOCELL / DIMMING OPTIONS (D, P, ADC)

BLUE - Direct output to power pack for providing photocell control and/or secondary dim time out. Output is high VDC with occupancy & low light. Output also held high during secondary dim time out. For multi-level control, use two power packs and connect White wire to primary load and Blue to daylight load.

VIOLET w/ WHITE STRIPE - Connect to 0-10 VDC control wire (typically Violet) from 0-10 VDC dimmable ballast

GRAY from Ballast - Connect to sensor Black wire

### RELAY OPTION (R)

GRAY / BROWN - Connected during occupied state

VIOLET / BROWN - Connected during unoccupied state

Note: Relay is energized during unoccupied state

