

OVERVIEW

Designed for mounting heights of up to 45 feet (13.72 m), the CMB 6 High Bay 360° sensor provides Passive Infrared (PIR) occupancy detection over a 15-20 ft (4.57-6.10 m) radial coverage pattern that overlaps the areas lit by a typical High Bay fixture. This low voltage sensor mounts to a junction box or fixture with a 1/2 inch knockout. Applications include warehouses and gymnasiums. Multiple fixture control is best handled by using multiple CMB 6 sensors together as needed. When used with standard power packs, these sensors are ideal for on/off control of T5/T8 fluorescent lighting. However, HID bi-level fixtures can also be controlled when the CMB 6 is partnered with a PP20 SH power pack with the start-to-high feature. For lower mounting height applications, CMB 9 or CMB 10 Series sensors are recommended.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 360° Coverage Pattern
- Up to 45 ft Mounting
- Push-Button Programmable
- User Adjustable Time Delays
- Non-Volatile Settings Memory
- 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

Operating Voltage: 12-24 VAC/VDC

Current Draw: Standard, 4 mA w/ R option, 16 mA

Recommended Power Pack: Standard, 4 mA w/ R option, 16 mA

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

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

AcuityControls™

Sensor Switch™

CMB 6
High Bay 360° Sensor



ORDERING INFORMATION

CMB 6		Example: CMB 6 R D LT					
Series	Relay	Dimming	Photocell	Visible Light Programming	Temp / Humidity		
CMB 6 High Bay 360° Sensor	[blank] None R Low Voltage Relay	[blank] None D Occupancy Controlled Dimming	[blank] None P Photocell	[blank] None VLP Visible Light Programming ^{1,2}	[blank] Standard LT Low Temp/ High humidity		

Notes

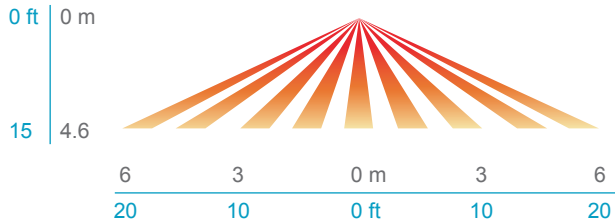
1. Must specify P if VLP is ordered
2. Must be within 5ft of sensor to program

COVERAGE PATTERN

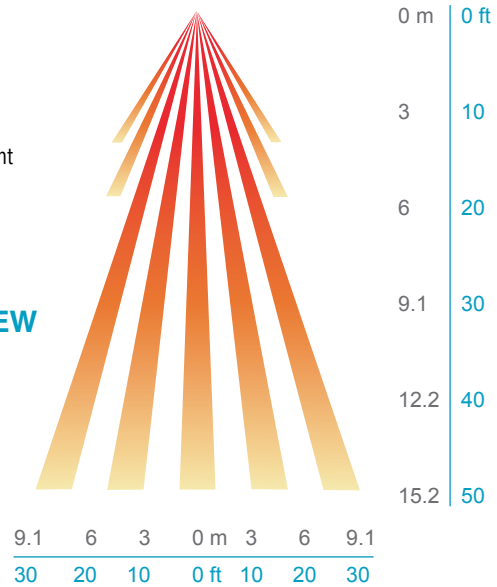
6 High Bay 360° Lens

- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motions (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

LOW VIEW



HIGH VIEW



WIRING (DO NOT WIRE HOT)

STANDARD WIRING

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

BLACK - Common

WHITE - Output (high VDC for occupancy)

PHOTOCELL / DIMMING OPTIONS (D, P)

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 Violet control wire 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

