

OVERVIEW

High bay lighting control is made simple with the CMR 6 208 Series occupancy sensor. This unique sensor is line powered and enables direct switching of 208/240 VAC lighting loads. Designed to surface mount to a fixture or junction box, this sensor's 360° coverage pattern overlaps that of most T-5, or T-8 fixtures used in warehouse applications. The CMR 6 208 switches both line voltage feeds going to a ballast, thus meeting the NEC requirements for simultaneously disconnecting all ungrounded conductors.

The CMR 6 208 sensor is best used in sensor per fixture applications. For multiple fixture control, use low voltage sensors, such as the CMB 50 and/or HMB 10 and power packs. For 120/277 VAC and 347 VAC applications, see the CMR 6 Series sensors. For 480 VAC applications, see the CMR 6 480 Series sensors. With optional flash programming via the Sensor Switch VLP mobile device application, the user can easily change time delay, on mode and photocontrol settings.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 360° Coverage Pattern
- Self-Contained Relays, No Power Packs 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
- Convent Test Mode
- 100 Hour Lamp Burn-in Timer Mode

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

sensorswitch®

CMR 6 208

High Bay 360° Sensor



ORDERING INFORMATION

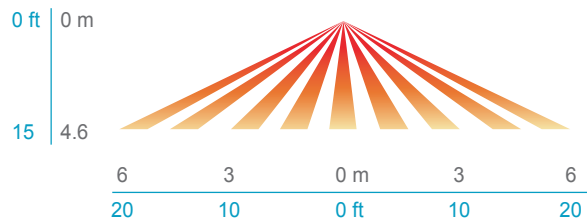
CMR 6 208				Example: CMR 6 208 P			
CMR 6 208							
Series		Dual Zone		Visible Light Programming		Temp/Humidity	
CMR 6 208 High Bay 360° Sensor		[blank] None P Photocell		[blank] None VLP Visible Light Programming		[blank] Standard LT Low Temp/High Humidity	

COVERAGE PATTERNS

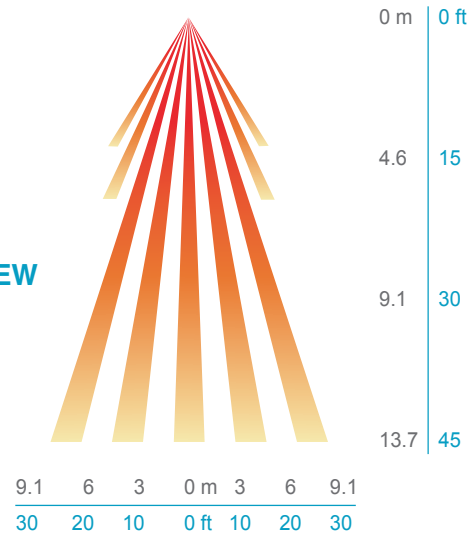
6 HIGH BAY 360° LENS

- 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 motion (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)

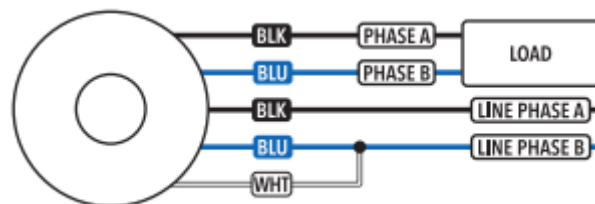
STANDARD WIRING

- BLACK* - Phase A Line Input
- BLACK* - Phase A Load Output
- BLUE** - Phase B Line Input
- BLUE** - Phase B Load Output
- WHITE - Connect to either Line Input

INITIAL POWER UP

The sensor's relays are 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 relays opened during shipment and will close within 30 secs.

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



*Black wires can be reversed

**Blue wires can be reversed



SPECIFICATIONS

Electrical

Input Ratings 120/277V, 80 mA, 50/60Hz
347V, 80 mA, 50/60Hz
480V, 80 mA, 50/60Hz

Output Ratings 120V, 800W/6.67A - Tungsten, Ballast
120V, 5A - General Purpose
277V, 1200VA/4.3A - Ballast
347V, 4.3A - General Purpose
480V, 5A - General Purpose
125V, 1/4HP - Motor

Relay Type Latching

Low Voltage Output Ratings 0-10VDC, Sinks <20mA

Class Rating 0-10V Dimming can be wired Class 1 or 2; Do not include if only Class 1

Standards/ Ratings Energy Management Equipment, UL916 (E167435)

Mechanical

Dimensions 4.55"W x 1.55"D (116mm x 40mm)

Mounting Single-Gang or Octagonal Box, Surface Mount

Color White

Finish Matte

Connection Type Line Voltage Leads

Environmental

Warrantied Operating Temperature: Standard: 14°F to 140°F (-10°C to 60°C)
LT Option: -4°F to 140°F (-20°C to 60°C)

Relative Humidity Up to 90%, Non-Condensing

Environment Indoor

Standards/ Ratings RoHS