OVERVIEW

Designed for mounting heights of up to 45 ft (13.72 m), the CMR 6 Series High Bay 360º occupancy sensor provides Passive Infrared (PIR) detection over a 15 to 20 ft (4.57 to 6.10 m) radial coverage pattern that overlaps the areas lit by a typical high bay fixture. This line voltage sensor switches loads directly without the need for a power pack. The CMR 6 sensor is ideal for individual on/off control of T5/T8 fluorescent lighting. HID bi-level lighting can also be controlled when the Start-to-High (SH) option is added to the CMR 6. For multiple fixture control, multiple low voltage CM 6, HM 50, and/or HM 10 Series High Bay sensors and power packs are recommended. 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

- Push-Button Programmable, Adjustable Time Delays, and Multiple Operating Modes
- 100 Hour Lamp Burn-in Timer Mode
- No Field Calibration or Sensitivity Adjustments Required

sensorswitch ®

CMR 6
High Bay 360˚ Sensor

Warranty

Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice

ORDERING INFORMATION

CMR 6			Example: CMR 6 SH P LT
CMR 6			
Series	**Coverage Type**	**Relay**	**Start-To-High**[1]
CMR Ceiling Mount Sensor	6 High Bay 360˚	[blank] Single Relay 2P Dual Relays	[blank] No STH SH w/STH

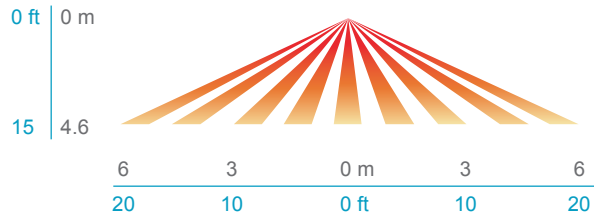| **Dimming**[1]	**Photocell**	**Voltage**	**Visible Light Programming**	**Temp/Humidity**
[blank] None D Occupancy Controlled Dimming	[blank] None P Photocell	[blank] 120/277 VAC 347 347 VAC	[blank] None VLP[1] Visible Light Programming	[blank] Standard LT Low Temp/High Humidity

Notes
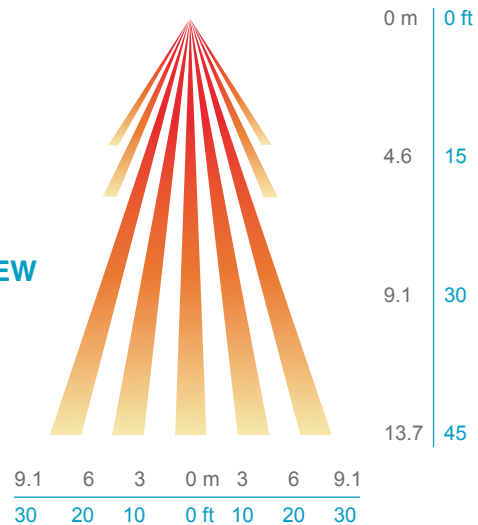1. Not available with 2P option.

COVERAGE PATTERNS

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

0 ft	0 m
15	4.6

6	3	0 m	3	6
20	10	0 ft	10	20

HIGH VIEW

0 m	0 ft
4.6	15
9.1	30
13.7	45

9.1	6	3	0 m	3	6	9.1
30	20	10	0 ft	10	20	30

TYPICAL WIRING SINGLE RELAY

STANDARD WIRING

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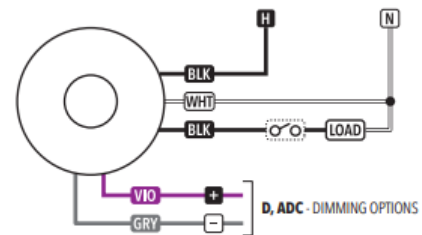WHITE   - Neutral

347 VAC OPTION (347)
Black wires are replaced w/ Red wires

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.

DIMMING OPTION (D)
VIOLET - Connect to Violet control wire from 0-10 VDC dimmable ballast
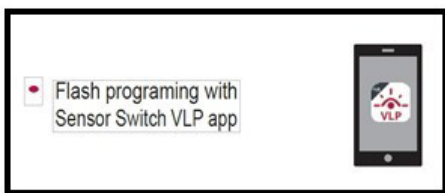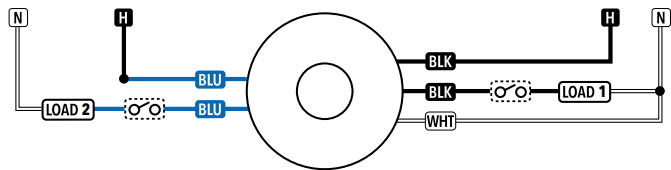GRAY   - Connect to Gray common wire from ballast

TYPICAL WIRING DUAL RELAY

STANDARD WIRING

BLACK*   - Line Input 1
BLACK*   - Load Output 1   } *BLACK wires can be reversed
BLUE**   - Line Input 2
BLUE**   - Load Output 2   } **BLUE wires can be reversed
WHITE   - Neutral

347 VAC OPTION (347)
Black wires are replaced w/ Red wires

- Flash programing with Sensor Switch VLP app

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; <u>Do not include if only Class 1</u>
	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

CMR 6   (TS-CMR-003A)