Catalog Number: | Date: | Project:

OVERVIEW

The CMR 9 Series Standard Range 360° occupancy sensor incorporates Passive Infrared (PIR) detection technology into an attractive line powered occupancy sensor that provides amazing sensitivity to small motions (e.g. hand movements) and excellent payback. The CMR 9 is an economical solution for providing automatic lighting control where a wall switch replacement sensor is not applicable. With an integrated line switching relay, the CMR 9 is perfect for applications where locating a power pack is difficult, such as retrofitting rooms with concrete or inaccessible ceilings. For rooms with obstructions, the CMR PDT 9 Series sensor is 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
- No Minimum Load Requirements

sensorswitch®

CMR 9
CMR PDT 9
Standard Range 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

Available on the App Store | ANDROID APP ON Google play | VLP | c UL US LISTED

ORDERING INFORMATION

CMR 9			Example: CMR 9 ADC LT
CMR 9			
Series	**Detection Technology**	**Coverage Type**	**Relay**
CMR Ceiling Mount Sensor	[blank] PIR PDT Dual Technology (PIR / Microphonics)	9 Small Motion 360°	[blank] Single Relay 2P Dual Relays

Control Type	**Voltage**	**Visible Light Programming**	**Temp/Humidity**
[blank] None D[1] Occupancy Controlled Dimming DZ[2] Dual Zone Photocell P Photocell ADC[1] Photocell w/ Dimming	[blank] 120/277 VAC 347 347 VAC	[blank] None VLP[1,3] Visible Light Programming	[blank] Standard LT Low Temp/High Humidity

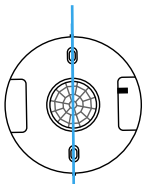
Notes
1. Not available with 2P option.
2. Not available with single relay option.
3. PDT Required.

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COVERAGE PATTERNS

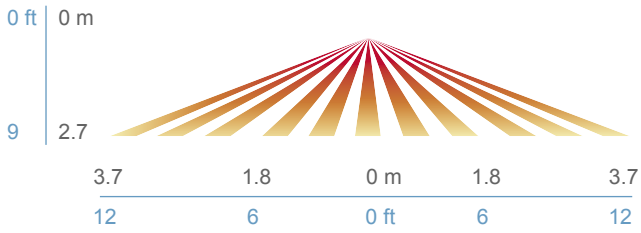
STANDARD RANGE 360° LENS

- Best choice for small motion (e.g. hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage

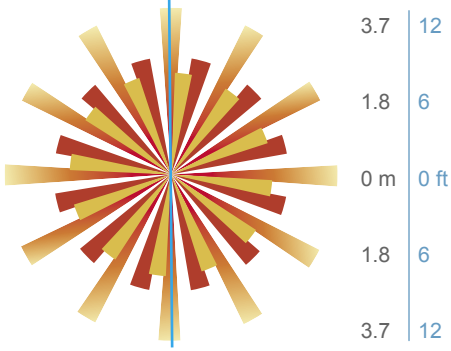


Note: Screw axis is aligned with a long detection segment

SIDE VIEW



TOP VIEW

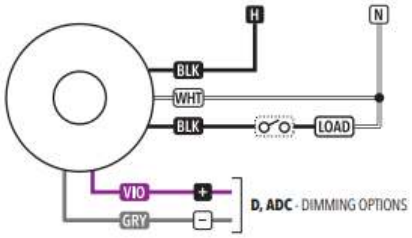


TYPICAL WIRING SINGLE RELAY

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

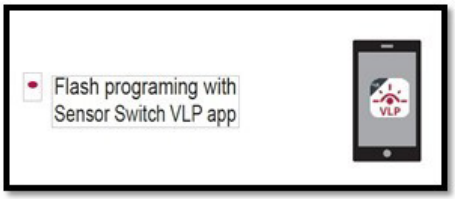
DIMMING OPTIONS (D, ADC)

VIOLET - Connect to Violet control wire from 0-10 VDC dimmable ballast
GRAY - Connect to Gray common wire from ballast

INITIAL POWER UP

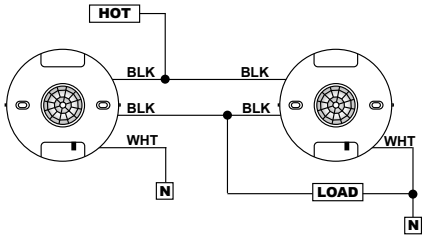
The sensor's relay is shipped in a latched closed position so the lights will come on upon initial power-up. If the lights do not immediately turn on (initial installation only) the latching relay opened during shipment and will close within 30 secs.

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



SENSORS IN PARALLEL

Sensors may be wired in parallel; however, the maximum load ratings stay the same. Do not wire sensors with P or ADC option in parallel.

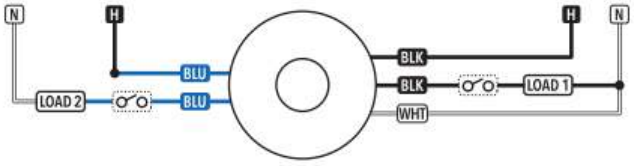


TYPICAL WIRING DUAL RELAY

STANDARD WIRING

BLACK* - Line Input 1
BLACK* - Load Output 1
BLUE** - Line Input 2
BLUE** - Load Output 2
WHITE - Neutral

} *BLACK wires can be reversed
} **BLUE wires can be reversed



347 VAC OPTION (347)

Black wires are replaced w/ Red wires

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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

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