

OVERVIEW

The CMS SSA family by SensorSwitch™ is a wireless ceiling/surface mount occupancy sensor that provides a range of solutions for applications with finished ceilings (e.g., ceiling tiles, sheetrock, plaster). The CMS SSA family utilizes digital Passive Infrared (PIR) detection and is available with two lens options, offering flexibility for various mounting heights and coverage pattern requirements. Dual-technology occupancy detection can also be added as an option for applications where occupants remain stationary for long periods.

All sensors feature integrated on/off photocells, with standard automatic daylight harvesting and dimming control. The CMS SSA family sensors are powered by the PP5 SSA supply and typically communicate with one or more SensorSwitch AIR devices in a group.

FEATURES

- Each model can support occupancy or vacancy mode operation
- Integrated, dimming photocell standard
- Adjustable settings (e.g. occupancy time delays, photocell set-points) via Mobile App
- Supports app-less pairing
- Powered by 24V DC from PP5 SSA
- Tested to NEMA WD 7-2011

Warranty

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands is under license. Apple and the Apple logo are trademarks of Apple Inc. Android and Google Play are trademarks of Google, Inc. Other trademarks are property of their respective owners.



CMS SSA
Ceiling/Surface Mount
Occupancy Sensor



ORDERING INFORMATION

CM Family				Example: CMS SSA PDT 10	
Series		Occupancy Detection		Lens (Required)	
CMS SSA	Wireless SensorSwitch AIR occupancy and daylight sensor	Blank	PIR Detection	9	Small Motion
		PDT	Dual Tech PIR	10	Large Motion

SPECIFICATIONS

Dimensions 4.55" Dia. (11.56 cm) 1.55" Deep (3.94 cm)

Product Weight 6 oz

Color Matte White Enclosure

Material Poly-Carbonate/ABS Max

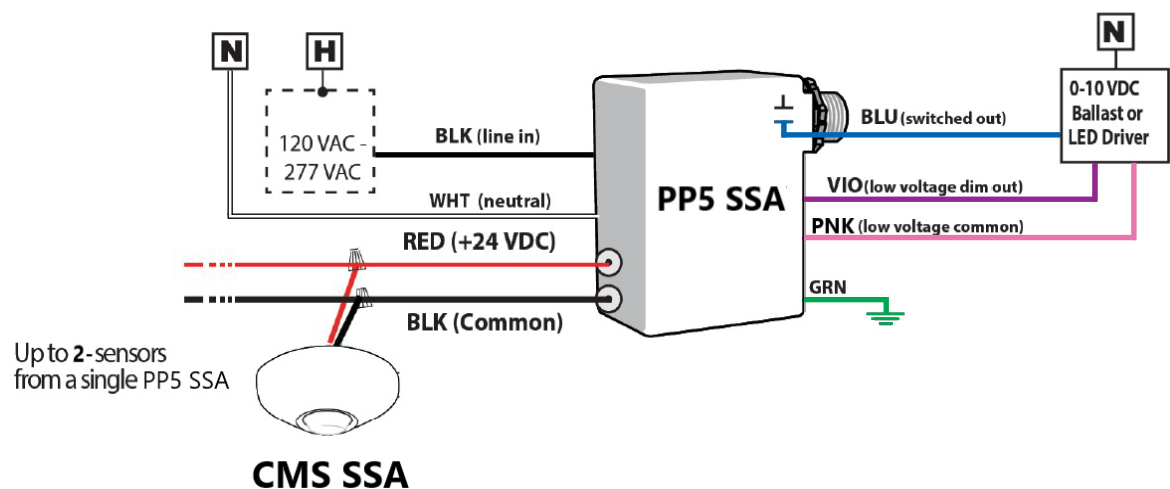
Humidity 5-95% non-condensing

Mounting Ceiling Tile / Sheetrock Surface, 3.5" Octagon Box, Single Gang Handy box Wires 9"; (2) 20 AWG used for DC input; 9"; Input Voltage Range 6V to 60V Peak Consumption 650mW

Operating Temperature -4°F to 158°F (20°C-70°C)

WIRING

Wiring a CMS SSA to a relay Power Pack (PP5 SSA)

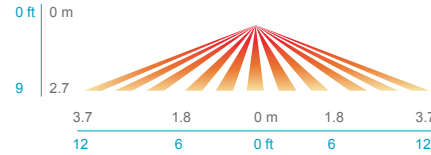


COVERAGE PATTERNS

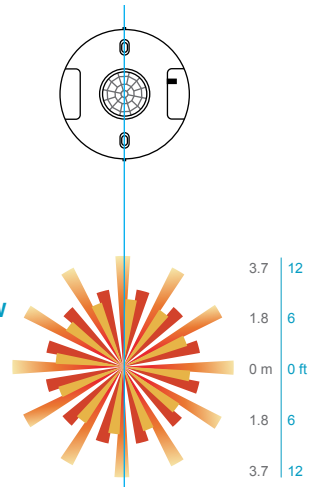
Small Motion 360° (Model # CM 9/ CM PDT 9')

- Best choice for small motion (e.g. hand movements) detection
- 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage (~500 ft²) 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
- Lens assembly is marked with a gray ring around lens to differentiate versus the #10 lens
- Tested to NEMA WD 7-2011

SIDE VIEW



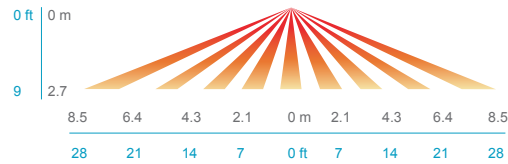
TOP VIEW



Large Motion 360° (Model # CM 10/ CM PDT 10')

- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft²) when mounted at 9 ft (2.74 m)
- 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
- Detection range improves when walking across beams compared to into beams
- Tested to NEMA WD 7-2011

SIDE VIEW



TOP VIEW

