

OVERVIEW

The SFR 7 Series Mini Low Bay sensor is a compact line voltage occupancy sensor that snaps directly into a small cavity in a fixture. The SFR 7 utilizes Passive Infrared (PIR) technology to provide 360° detection of walking motion from 8 to 20 ft (2.74 to 5.49 m) mounting heights. The SFR 7 is designed to achieve initial detection of walking motion along its axes at distances of 2x the mounting height up to 15ft (4.57 m) and 1.75x up to 20 ft (6.10 m). The SFR 7 also provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m).

FEATURES

- Self-Contained Relay, No Power Pack 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
- Convenient Test Mode
- 100 hr Lamp Burn-in Timer

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



*SFR 7
Mini Low Bay 360°
Sensor*



ORDERING INFORMATION

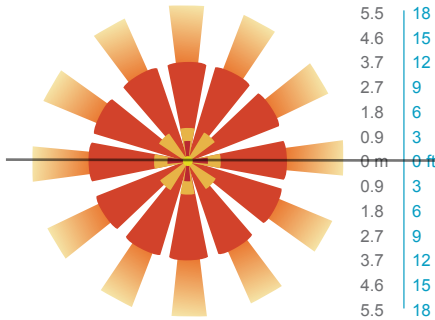
SFR 7		Example: SFR 7 347	
Series	Voltage	Temperature / Humidity	
SFR 7 Snap Fit Enclosure	[blank] 120/277 VAC 347 347 VAC	[blank] Standard LT Low Temp	

COVERAGE PATTERN

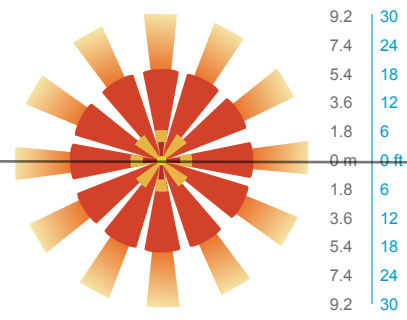
7 MINI LOW BAY 360° LENS

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor

9 FT MOUNTING



15 FT MOUNTING



Note: Align sensor axes along aisleway for best detection results

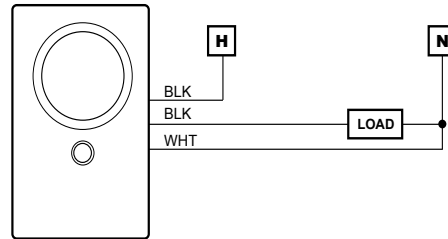
WIRING (DO NOT WIRE HOT)

STANDARD WIRING

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

347 VAC OPTION

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.

SPECIFICATIONS

Electrical

Input Ratings 120VAC, 6.6A, 50/60 Hz
277VAC, 4.3A, 50/60 Hz
347VAC, 4.3A, 50/60 Hz

Output Ratings 120VAC, 800W, 6.7A - Tungsten, Standard Ballast, Electronic Ballast
277VAC, 1200W, 4.3A - Tungsten, Standard Ballast, Electronic Ballast
347VAC, 1500W, 4.3A - Tungsten, Standard Ballast, Electronic Ballast
120, 1/4 HP - Motor (5.8A FLA, 34.8 LRA)
277, 1/4 HP - Motor (2.4A FLA, 14.4 LRA)
347VAC, (0.5 FLA, 3LRA)

Relay Type Latching

Standards/ Ratings Energy Management Equipment, UL916 (E167435)

Mechanical

Dimensions 2.25"H x 1.38"W x 0.82" D

Mounting Snaps into 2 3/16"H x 1 5/16"W x 1" D cavity in fixture

Color White

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

Standards/ Ratings RoHS, Energy Management Equipment, UL916 (E167435)