

LINE VOLTAGE ULTRASONIC FIXTURE INTEGRATED OCCUPANCY SENSORS

FS-555/FS-555C

Line voltage for direct
connection to load

Easily integrate into
lighting fixtures

Ideal for stairwell, wall and
ceiling mount applications



FS-555

Ultrasonic technology for
open area detection with
line-of-sight obstructions

Ceiling and wall
mount models



FS-555C

Description

The FS-555 and FS-555C Line Voltage Ultrasonic Fixture Sensors control lighting based on occupancy. They are designed with a low-profile, architecturally pleasing appearance to easily integrate into a wide range of lighting fixtures or a customized housing.

Operation

When powered on, the FS-555 Series sensors use high frequency (40 kHz) ultrasonic technology to sense motion within a space and automatically turn lights on even when the sensor has no direct line of sight to occupants. After the area is vacated and the time delay has elapsed, the sensors automatically turn the lights off. Ultrasonic detection operates by transmitting sound waves throughout an area and measuring the speed at which they return. Movement increases the return frequency, which triggers occupancy.

The FS-555 Series sensors provide functions for testing, overriding the fixture 'ON' and a 100-hour lamp burn-in mode.

Applications

Typical applications for the FS-555 Series sensors include open office cubicles, offices, conference rooms, restrooms and hallways. This technology also provides superior detection in hard surfaced areas, such as stairwells and hallways.

For a large rectangular detection area with ceiling-mounted fixtures, the FS-555C provides excellent coverage. For specialized applications such as stairwells, the elongated coverage pattern of the FS-555 is ideal.

The FS-555 can provide bi-level lighting control in fixtures that have bi-level or dimming ballasts, resulting in up to 66% energy savings for fixtures that are on 24-hours a day, seven days a week, while still providing enough light for safety and egress.

Features

- Ultrasonic technology (40Khz)
- Compact design for installation in low-profile fixtures
- Three modes: override, burn-in and test modes
- 120/277 VAC; 50/60Hz, 1/10 hp
- Load @ 120 VAC 4.9A ballast, tungsten, compact fluorescent (CFL) and LED driver
- Load @ 277 VAC 4.9A ballast, compact fluorescent (CFL) and LED driver
- Current consumption: 43mA

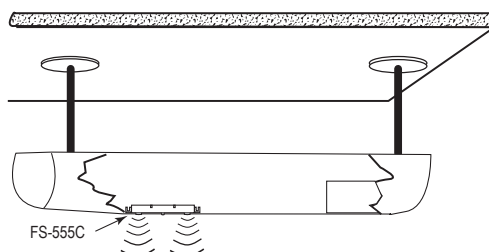
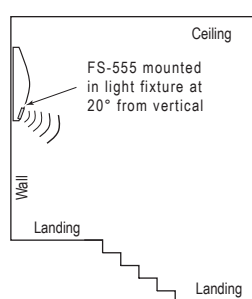
PROJECT

LOCATION/
TYPE

Specifications

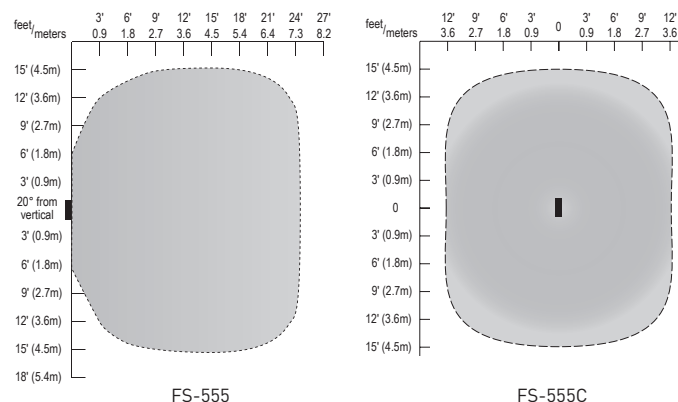
	FS-555 Line Voltage Ultrasonic Fixture Sensor	FS-555C Line Voltage Ultrasonic Fixture Sensor
Voltage	120/277 VAC	120/277 VAC
Current Consumption	43mA	43mA
Time Delay	5–30 minutes	5–30 minutes
Coverage at 8' ht.	24' (731.5cm) diameter	30' x 24' (457.2 x 365.7cm)
Operating Temp	32–131°F (0–55°C)	32–131°F (0–55°C)
Color	White	White
Dimensions	Sensor body: 5.2" L x 1.26" W x 1.7" D (132.4mm x 32.0mm x 43.0mm) Mounting base: 6.12" x 1.26" (155.4mm x 32.0mm) Mounting hole centers: 5.72" x 0.8" (145.3mm x 20.0mm)	Sensor body: 5.2" L x 1.26" W x 1.7" D (132.4mm x 32.0mm x 43.0mm) Mounting base: 6.12" x 1.26" (155.4mm x 32.0mm) Mounting hole centers: 5.72" x 0.8" (145.3mm x 20.0mm)

Applications

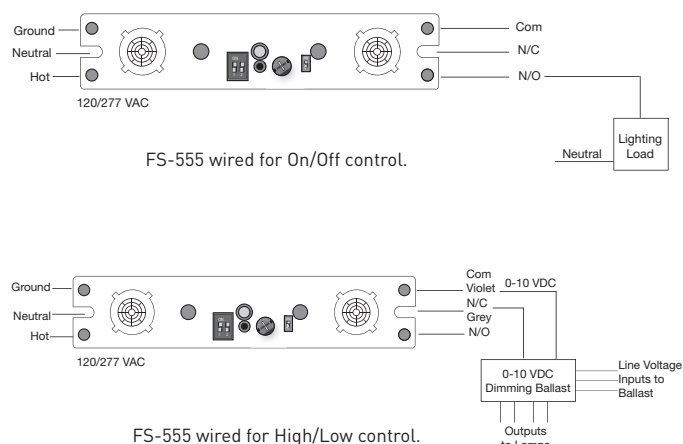


Wiring & Coverage

Coverage Patterns @ 8 ft Mounting Height



FS-555/555C Wiring Diagrams



Ordering Information

Catalog #	Description
<input type="checkbox"/> FS-555	Line Voltage Ultrasonic Fixture Occupancy Sensor for Stairway Applications; 120/277 VAC fixture mount
<input type="checkbox"/> FS-555C	Line Voltage Ultrasonic Fixture Occupancy Sensor for Open Areas; 120/277 VAC fixture mount