

HBS 200 (347-480V)

High Bay Occupancy Sensor

STEINEL[®]
PROFESSIONAL



Project Name:
Location:



HBS 200 (347-480V) Specifications

| | |
|---------------------|---|
| Item No. | 64123 64122 (bulk) |
| Voltage | 347/480 VAC, 60 Hz |
| Load Rating | 120 VAC: 0-800 watt ballast, tungsten, 1/4 hp 230/277 VAC: 0-1200 watt ballast |
| Sensing Technology | 5A electronic ballast load |
| Time Delay Setting | 15 seconds to 30 minutes |
| Light Level Setting | .2-200 footcandles 2-2000 lux |
| Environment | IP20 rated, -4°F to +122°F, -20°C to +50°C |
| Coverage | 100 x 13 ft (30.48 x 3.96 m) linear detection |
| Sensors | 2 dual element infrared pyroelectric detectors |
| Lens Design | 104 switching zones |
| Dimensions (LxWxD) | 3.9 x 3.9 x 2.72 in, 99 x 99 x 69.1 mm, nipple length .62 in (15.75 mm) |
| Warranty | 5 years |
| Certifications | C-UL-US Listed, RoHS Compliant |

The HBS 200 (347-480V) High Bay Occupancy Sensor provides occupancy based lighting control in high bay aisleway applications.

The sensor performs at a wide range of mounting heights, up to 45 ft. It mounts directly to a high bay lighting fixture or junction box. The EM1 Extender Module is recommended if the knockout at the end of the fixture is located greater than 1/2" from the bottom edge of the fixture.

Applications

High bay aisleway areas such as in warehouses, distribution and centers.

Key Features:

- Aisleway coverage with up to 100 ft linear detection
- Easily upgradable to wireless control with the MF1-UL module
- Coverage area may be adjusted with LC1 aisle starter lens cover that snaps to the front of the sensor
- 2 pyroelectric detectors with 104 switching zones provides superior aisleway detection over other single pyroelectric highbay sensors
- Precision molded lens
- Automatically adjusts to temperature changes keeping sensitivity and coverage consistent
- Light level feature allows lighting to remain off during daylight regardless of occupancy
- Built-in surge protection with auto-reset

**347/
480V**

Voltage

PIR

Passive Infrared Technology



Aisleway Coverage

**Fixture
or J Box
Mount**

Fixture or Junction Box
Mounting



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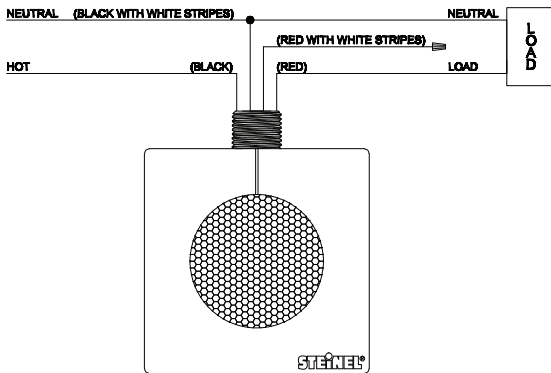
HBS 200 (347-480V)

High Bay Occupancy Sensor

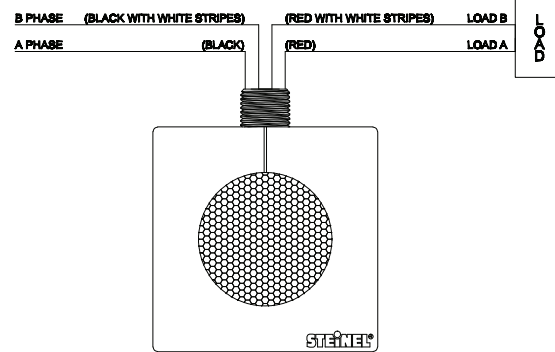


Wiring

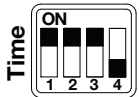
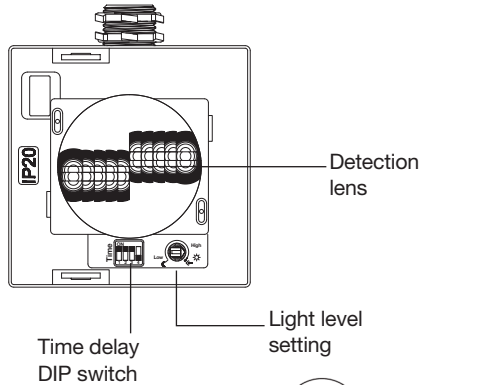
347 VAC, 60 Hz Wiring



480 VAC, 60 Hz Wiring

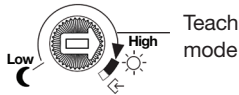


Setting



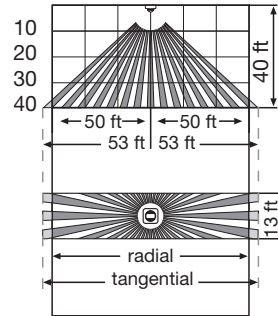
Time Delay DIP Switch

| 1 | 2 | 3 | 4 | Time |
|-----|-----|-----|-----|----------|
| ON | ON | ON | OFF | 15 sec |
| ON | OFF | OFF | OFF | 1 min |
| OFF | ON | ON | OFF | 5 min |
| ON | OFF | ON | OFF | 10 min |
| ON | ON | OFF | OFF | 15 min |
| OFF | ON | OFF | OFF | 20 min |
| OFF | OFF | ON | OFF | 25 min |
| OFF | OFF | OFF | OFF | 30 min |
| N/A | N/A | N/A | ON | override |



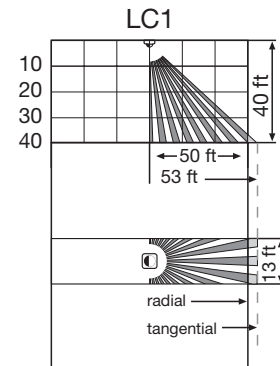
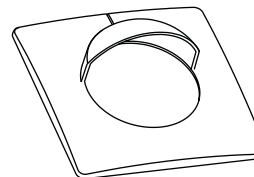
Teach mode

Coverage



Typical mounting height is 8 to 45 feet. Maximum reach is 22 feet radial and 60 feet tangential. Coverage may vary depending on mounting height and environmental conditions.

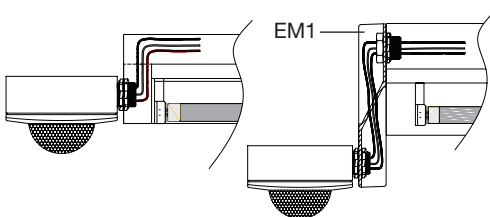
Coverage Adjustment



LC1 aisle starter cover for HBS 200 (347-480V)

Note: When used with the MF1-UL wireless control module the minimum time delay is 35 seconds

Mounting



The HBS 200 (347-480V) is mounted directly to a lighting fixture. The EM1 Extender Module is recommended if the knockout at the end of the fixture is located greater than 1/2" from the bottom edge of the fixture.