

Description

Autani's HBS series of wireless occupancy sensors provide world class detection in high bay applications. By utilizing multiple pyro configurations coupled with application specific lens designs they are able to provide up to 1416 switching zones of detection.

The HBS 300 and HBS 200 sensors with installed HBS-DC controls communicate wirelessly to other devices to create groups (lighting zones).

Providing 360 degrees of coverage, the HBS 300 sensor contains three dual-element pyroelectric detectors. Perfect for aiseways, the HBS 200 sensor contains two dual-element pyroelectric detectors. Both sensors mount directly to a high bay lighting fixture or junction box and are engineered to perform at a wide range of mounting heights, up to 45 feet.

Motion detected by HBS sensors is used by Autani's *EnergyCenter* family of Integrated Energy Management software applications and hardware to trigger changes in lighting, load, plug load, and HVAC systems.

Applications

High Bay Sensors are suitable for renovation, upgrade, and new construction projects for heights up to 45'.

- Warehouses & distribution centers
- Loading docks
- Gymnasiums

Fully Controls-Addressable

Steinel's HBS 200 and HBS 300 high bay sensors feature Autani's integrated wireless controls, allowing for remote management.



Features

- Wirelessly networked and controlled
- Excellent coverage for multiple area types: 360° coverage with up to 60 foot reach (HBS 300); aisleway coverage with up to 100 foot linear detection (HBS 200)
- 3 pyroelectric detectors with 1416 switching zones provides better detection for high bay applications (HBS 300)
- 2 pyroelectric detectors with 104 switching zones provides superior aisleway detection over other single pyroelectric high bay sensors (HBS 200)
- Precision molded lens
- Coverage area may be adjusted with plastic lens covers that snap to the front of the sensor
- 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



Specifications

VOLTAGE

- 120/230/277 VAC, 50/60 Hz
- 347/480VAC

LOAD RATING

- 120 VAC: 0-800 watt ballast or Tungsten – 1/4 hp
- 230/277 VAC: 0-1200 watt ballast

TIME DELAY

- 35 sec to 30 min

LIGHT LEVEL

- 2 – 200 footcandles; 2 – 2000 lux

COVERAGE

- HBS 300: 360°, up to 22ft (6.7m) radial reach, up to 60ft (18.2m) tangential reach
- HBS 200: 100 x 13ft (30.48 x 3.96m) diameter reach

RF

- Communication frequency: 2.4 GHz
- Transmission range: 600 ft (182.8 m) depending on line of sight. Range may be less if signal needs to pass through obstacles.

ENVIRONMENT

- IP20 rated, -4°F to +122°F, -20°C to +50°C
- Operating temp: -4°F to +122°F (-20°C to +50°C)

DIMENSIONS

- 3.9 x 3.9 x 2.72in (99 x 99 x 69.1mm)
- Nipple length: 0.62in (15.75mm)
- HBS-DC: 2.96x1.38x0.62in (75.2x35.05x 15.75mm)

COMPLIANCE

- UL and CUL Listed
- RoHS Compliant
- FCC and IC Compliant



Indoor use only

Ordering Information

SKU	Description
A05-01-1173-01	High Bay Sensor Dimming Controller (HBS-DC)
A05-01-1173-02	High Bay Sensor Dimming Controller (HBS-DC), Conformal Coated
A05-47-1175-01	High Bay Sensor, HBS 200, 360-deg., 120/230/277VAC <i>Uses autaniNet HBS-DC A05-01-1173-01 or -02 (sold separately)</i>
A05-47-1175-02	High Bay Sensor, HBS 200, 360-deg., 347/480VAC <i>Uses autaniNet HBS-DC A05-01-1173-01 or -02 (sold separately)</i>
A05-47-1175-03	High Bay Sensor, HBS 300, 360-deg., 120/230/277VAC <i>Uses autaniNet HBS-DC A05-01-1173-01 or -02 (sold separately)</i>
A05-47-1175-04	High Bay Sensor, HBS 300, 360-deg., 347/480VAC <i>Uses autaniNet HBS-DC A05-01-1173-01 or -02 (sold separately)</i>
Optional HBS Accessories	
A05-47-1174-01	LC1, Aisle Starter Lens Cover
A05-47-1174-02	LC4, Reduced Range Lens Cover
A05-47-1174-03	LC5, 180-deg., Half Moon Lens Cover
A05-47-1174-04	EM1, Extender Module