

# H-MOSS® Motion Alert



## Outdoor Sensor

# Energy savings and security in outdoor lighting applications

### Robust Design

**Housing:** The new H-MOSS OS270BZ outdoor sensor features a rugged metallic housing for superior abuse resistance.

**Lens:** A durable, multi-segmented lens provides improved coverage and reliability. Lens guard protects lens from damage.

**Printed Circuit Board:** The printed circuit board is conformal coated to prevent premature failure caused by the ingress of moisture.

**Mounting Arm:** The 3-position mounting arm allows for customization of the coverage pattern to satisfy a wide variety of applications.

### Security, Convenience, and Energy Savings

Hubbell's passive infrared sensor for outdoor applications turns the lights on when motion is detected and turns lights off when no motion is present. The OS270BZ features a 270 degree field of view for complete coverage when installed at the corner of a building and covers up to a 100' range.

### Adjustability

The Hubbell sensors features a gasketed, concealed control compartment that allows adjustment of the time delay, sensitivity and range.

### LED Detection Indicator

Provides visual verification of motion detection.

### Range Boost

Extends the range from 70' to 100' from the sensor for large coverage applications.

### Sensitivity

Adjusts the sensitivity of the motion detector by increasing or decreasing the range.



### Multi-Segmented Lens

Provides superior coverage and reliability.

### Time Adjustment

Provides time out positions for testing (5 seconds), 1, 5, or 20 minutes.



### Features:

- Printed circuit board with robust surge protection for extended product life.
- Five second test mode improves the ease of installation.
- Three hinge mounting arm provides maximum adjustability of sensor.
- 270° wide-angle coverage for large outdoor areas.
- 100' long distance range.
- Wall switch manual override.
- Photocell deactivates unit in daylight.
- Flashing LED indicates when motion is detected.
- 1000 watt incandescent load capacity.
- UL Listed and CSA Certified.



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Description	Rating	Catalog Number
Outdoor Sensor	1000 watts (8.3 amps), incandescent.	<b>OS270BZ</b>

### Specifications

#### Electrical

Power Requirements	120V AC, 60 Hz.
Sensor Load Capacity	1000 W (8.3 amps), incandescent.

#### Physical

Dimensions	9 3/4"L x 4"W x 2 3/4"H.
Weight	2.4 lbs.
Color	Architectural bronze.
Housing Material	Cast metal.
Recommended Mounting Height	6-12 feet above ground.

### Operating Characteristics

Time Adjustments	Test (5 seconds), 1, 5, or 20 minutes.
Horizontal Field of View	270° wide maximum. 180° with lens shield.
Vertical Field of View	3 levels of vertical fields.

### Environmental Ratings

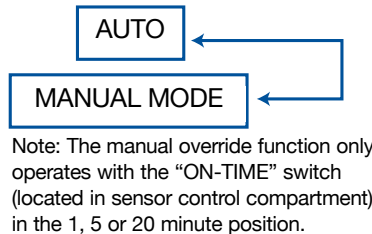
Operating Environment	-40°F to 150°F (-40°C to 66°C).
Storage Environment	-40°F to 150°F (-40°C to 66°C).
Ambient Rate of Change	The sensor shall operate normally with a maximum rate of temperature change of +/- 20°F per hour.
Relative Humidity	Raintight per UL 773A.
UL File Number	E118915.

### Control Adjustments

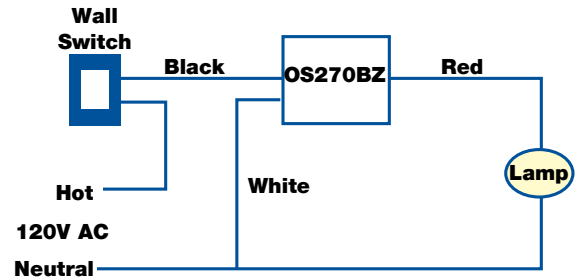
The Hubbell OS270BZ motion sensor has adjustments for time delay, sensitivity, and range. The controls are located in a concealed control compartment on the bottom of the motion detector for easy adjustment and protection from the ingress of moisture. A description of the control adjustments is provided on the front of this brochure.

### Manual Override Operation

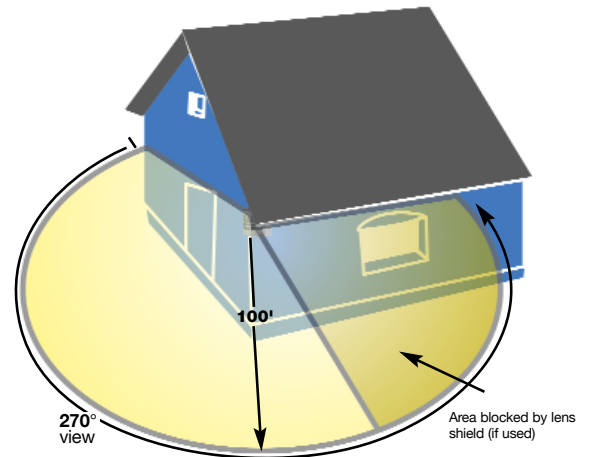
To manually override the sensor ON, flip the wall switch OFF for one second and then back to the ON position. The sensor will now hold the lights on. To return to the automatic mode, turn the wall switch back OFF for one second and then back ON. The override feature will only work at night and will automatically reset itself to the AUTO mode at dawn.



### Wiring Diagram



### Detection Pattern



### Also from Hubbell...

For information on Hubbell's H-MOSS® line of passive infrared, ultrasonic, and dual technology sensors, visit our online catalog at [www.hubbellcatalog.com/wiring](http://www.hubbellcatalog.com/wiring).



Wiring Device-Kellems