

## MSB SERIES

Employs a Low-Energy Switch Circuit to Maximize Contact Life



MSBP

The MSB Series employs the latest passive infrared (PIR) technology to automatically control lighting for areas up to 1000 square feet, achieving energy savings and convenience.

Each sensor employs a special 180° multi-segmented lens and PIR motion detector circuit to sense when a person enters the area and automatically activate the lights. The sensor will automatically switch the lights off after a preset delay if motion is no longer detected.

The MSB Series fits in place of existing wall switches, connecting to existing wiring, similar to a typical wall switch. The MSB Series is the simplest way to achieve energy saving lighting control with minimal installation time.

To assure long relay life, the MSB Series employs a low energy switch circuit to assure maximum contact life. These sensors are compatible with electronic and magnetic ballast loads.

### SPECIFICATIONS

|             |                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Standards   | UL and cUL Listed; FCC part 15 (Class B) for home and office use                                                                     |
| Input       | 120 or 277 Vac $\pm$ 10% 60 Hz                                                                                                       |
| Output      | 120 Vac, 1000 W max. tungsten incandescent load; 1000 VA max. ballast load; ¼ HP max. motor load; 277 Vac; 1800 VA max. ballast load |
| Temperature | 0 to 50 °C (32 to 122 °F)                                                                                                            |
| Humidity    | Max. 90% RH non-condensing                                                                                                           |

#### WARRANTY

|                  |        |
|------------------|--------|
| Limited Warranty | 1 year |
|------------------|--------|

#### AGENCY APPROVALS



## Adjustable

Adjustable time delay

## Bypass button

Bypass button for “always on” operability...simplifies commissioning 180-degree motion detection

## 180 degrees

180-degree motion detection

## Line powered

No separate supply needed

## Ballast compatibility

Compatible with magnetic and electronic ballasts...provides ultimate flexibility

## Loading

No minimum loading requirement

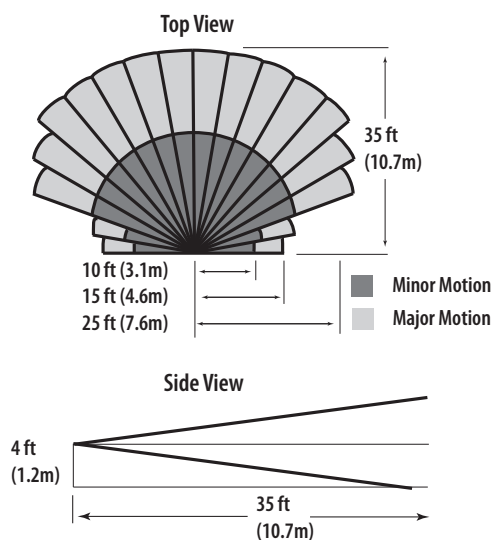
### APPLICATIONS

- Lighting control for LEED\* programs and reduced energy usage
- Use in offices, copy rooms, common building areas, storage closets, small conference rooms, and more
- Fits in place of existing wall switches connecting to the existing active line and ground wiring...great for retrofit installations

\*Leadership in Energy and Environmental Design (LEED) is a registered mark of the US Green Building Council

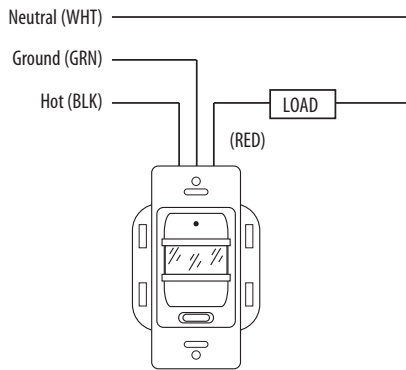
### MSB SERIES

Coverage Patterns

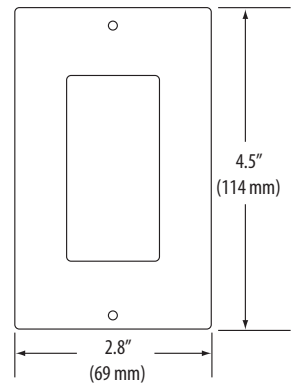
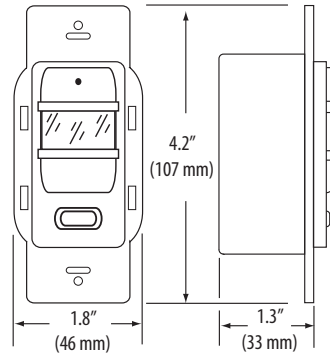


**SINGLE-LEVEL LIGHTING**

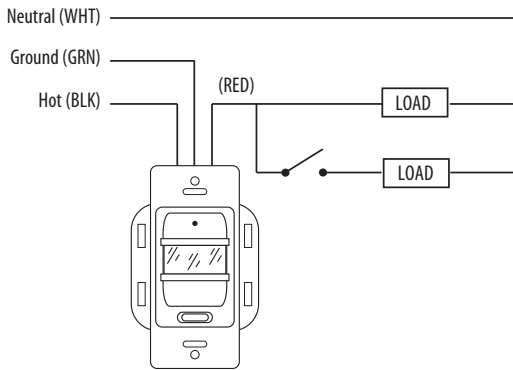
Wiring Diagram

**MSB SERIES**

Dimensional Drawings

**BI-LEVEL LIGHTING**

Wiring Diagram

**ORDERING INFORMATION**

Sensing Technology

MSB P  
= Passive Infrared (PIR)

Turn On

A = Automatic  
M = Manual

# of Circuits

1

Color

W = White  
V = Ivory

Example:

MSB P A 1 V