

Wall Switch Occupancy Sensors

MSB Series



MSBP

Employs A Low-Energy Switch Circuit To Maximize Contact Life

FEATURES

- Adjustable time delay
- Bypass button for "always on" operability...simplifies commissioning
- 180-degree motion detection
- Line powered...no separate supply needed
- Compatible with magnetic and electronic ballasts...provides ultimate flexibility
- No minimum loading requirement
- Automatic ON/Automatic OFF or manual ON/Automatic OFF versions
- 300 square feet minor motion detection...improves sensor accuracy
- Decorative faceplate
- Zero-voltage switching
- LED indication...provides visual sensor status
- Single-gang box mount...simplifies installation

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

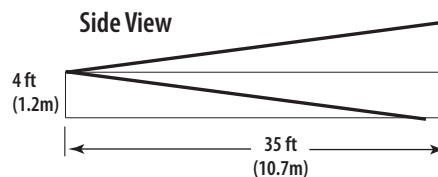
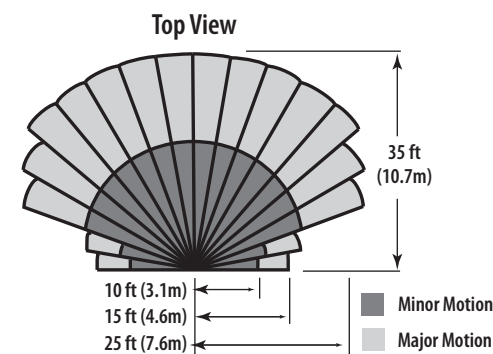
*Leadership in Energy and Environmental Design (LEED) is a registered mark of the US Green Building Council

SPECIFICATIONS

1 Year
Warranty

| | |
|--------------------|---|
| Standards | UL and cUL Listed; FCC part 15 (Class B) for Home and Office Use |
| Input | 120 or 277VAC±10% 60 Hz |
| Output | 120VAC, 1000W max. tungsten incandescent load; 1000VA max. ballast load; ¼ HP max. motor load; 277VAC; 1800VA max. ballast load |
| Temperature | 0° to 50°C (32° to 122°F) |
| Humidity | Max. 90% RH noncondensing |

Coverage Patterns



DESCRIPTION

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.

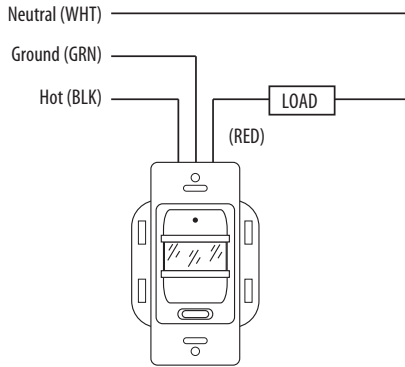
Each sensor employs a special 180° multi-segmented lens and PIR motion detector circuit to sense when a person enters the area and automatically activate the lights. The sensor will automatically switch the lights off after a preset delay if motion is no longer detected.

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.

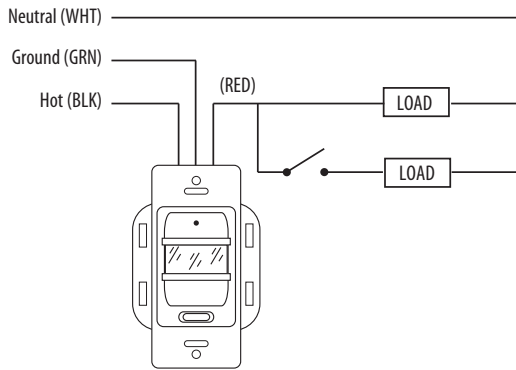
To assure long relay life, the MSB Series employs a low energy switch circuit to assure maximum contact life. These sensors are compatible with electronic and magnetic ballast loads.

WIRING DIAGRAMS

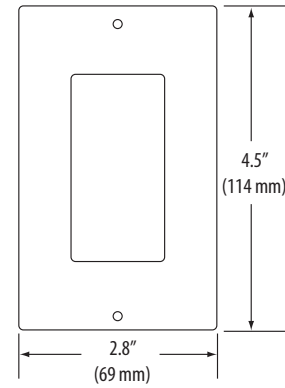
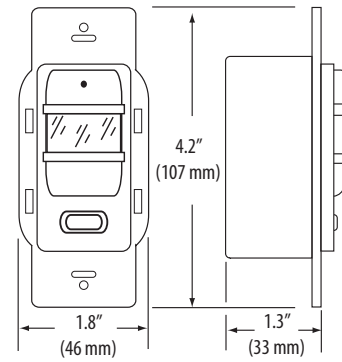
Single Level Lighting



Bi-Level Lighting



DIMENSIONAL DRAWING



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**