

Wall Switch Occupancy Sensors

Employs A Low-Energy Switch
Circuit To Maximize Contact Life

MSBP



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 active line and ground 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.

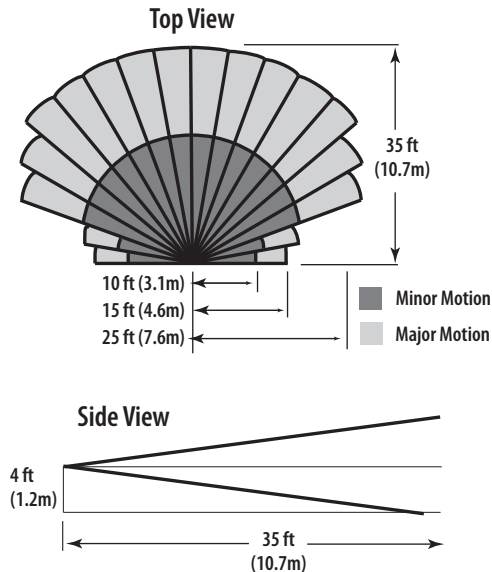
APPLICATIONS

- 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

FEATURES

- Adjustable time delay
- Bypass button for "always on" operability...simplifies commissioning
- 180-degree motion detection
- Line powered...no separate supply needed
- Compatible with all 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

Coverage Patterns



SPECIFICATIONS



Standards

UL and cUL Listed; FCC part 15 (Class B) for Home and Office Use

Input 120 or 277VAC±10% 60 Hz

Output 300VAC, 1000W max. tungsten incandescent load; 1000VA max. ballast load; ¼ HP max. motor load; 277VAC; 1800VA max. ballast load

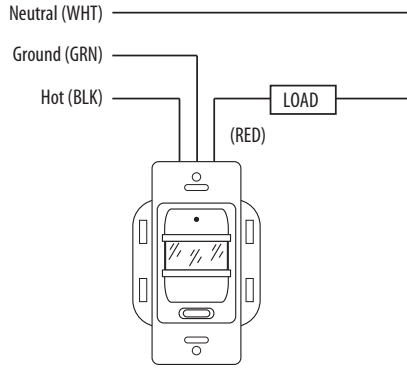
Temperature 0° to 50°C (32° to 122°F)

Humidity Max. 90% RH noncondensing

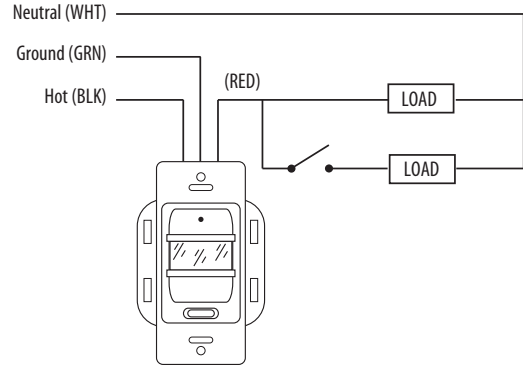
*Leadership in Energy and Environmental Design (LEED) is a registered mark of the US Green Building Council

APPLICATION/WIRING DIAGRAMS

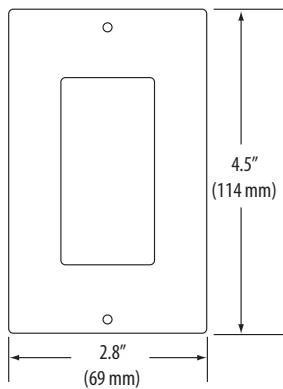
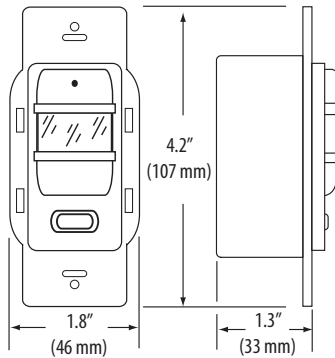
Single Level Lighting



Bi-Level Lighting



DIMENSIONAL DRAWING



ORDERING INFORMATION

Sensing Technology

MSB **P**

= Passive Infrared (PIR)

Turn On

A

A = Automatic
M = Manual

of circuits

1

Color

W

W = White
V = Ivory

Example:

MSB **P A 1 V**