



WE European Automatic Wall Switch

Replaces existing European wall switches

Choice of automatic-ON or manual-ON operation

Built-in adjustable light level sensor



DIP switch adjustable time delay

4 level lens for superior desktop detection

Direct lighting control or control via optional interface with BAS or EMS

Product Overview

Description

The Watt Stopper WE-100 is a passive infrared wall switch that turns lighting systems on and off based on occupancy and ambient light levels. The WE-100 replaces an existing wall switch with easy installation and operates at 230 VAC.

Operation

The WE-100 uses advanced passive infrared technology to detect occupancy. WE sensors detect the difference between the infrared energy from a human body in motion and the background space. The WE-100 can be set for manual-ON or auto-ON operation. When manual-ON is selected, the switch is backlit while the unit is off and occupants press the auto/OFF button on the face of the unit to turn lights on. Then, once the space is vacated and after the user-set time delay elapses, lights turn off. A reset delay allows the sensor 30 seconds after the lights have been off to detect occupancy and turn lights back on automatically. With auto-ON set, lights will automatically turn on when occupants enter the controlled area.

Light Level Sensing

The WE-100's built-in light level sensing provides increased energy savings in areas with abundant natural light. This feature holds lighting OFF if a user-specified level of ambient light already exists. A user can simply bypass this feature by placing his hand over the sensor for a second.

Applications

The WE-100's low unit cost, ease of installation, and full-featured options ranging from ON mode operation to built-in light level sensing add up to great energy savings and return on investment. Its convenience and reliability provide satisfaction at all levels – especially to the occupants. These sensors work well in many enclosed building spaces including offices, utility rooms, and small conference rooms.

Features

- ASIC technology reduces components and enhances reliability
- Pulse Count Processing eliminates false offs without reducing sensitivity
- Detection Signature Analysis eliminates false triggers; provides immunity to RFI and EMI
- The Watt Stopper's Zero Crossing Circuitry reduces stress on the relay and results in increased sensor life
- Choice of manual-ON or auto-ON operation
- Backlit switch while unit is off in manual-ON mode
- DIP switch adjustments for ON-mode operation and time delay
- For safety, there is no leakage to load in off mode
- Four-level patented Fresnel lens for superior desktop detection
- Units are tamper resistant
- Open collector output can be used to interface with BAS, EMS, or monitoring systems



www.wattstopper.com
800.879.8585



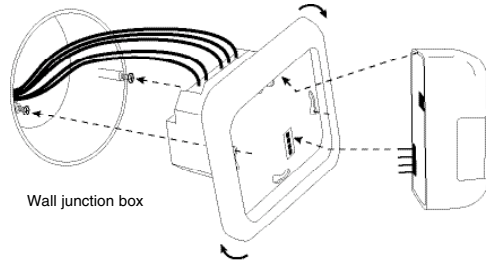
WE Sensor Technical Information

Specifications

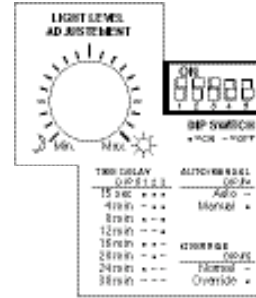
- 230 VAC; 50 Hz
- Coverage of 180 degrees, maximum 12 meters, five meters for desktop activity
- Digital time delay adjustment from 16 seconds to 30 minutes
- Built-in light level sensor, works from 22 lux to 2150 lux (2 to 200 footcandles)
- Compatible with all electronic ballasts and PL lamp ballast systems
- Dimensions: 82mm x 86mm x 71mm (3.2" x 3.4" x 2.8")
- CE certified; 5 year warranty

Controls & Installation

Installation

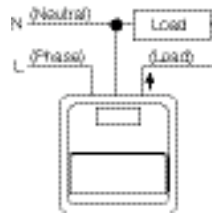


Product Settings



Wiring & Settings

Single Level Lighting

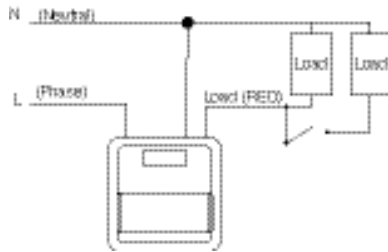


DIP Switch Settings

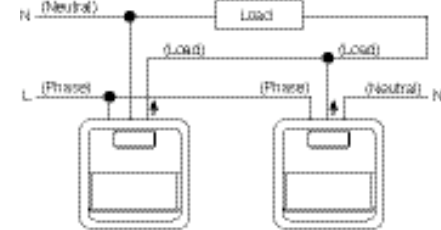
◀=Factory presets

●=ON - =OFF	DIP Switch #
Time Delay	1 2 3
16 seconds	● ● ●
4 minutes	- ● ●
8 minutes	- - ●
12 minutes	- - -
16 minutes	● - -
20 minutes	- ● -
24 minutes	● - -
30 minutes	- - -
On Mode	4
Automatic On	-
Manual On	●
Override	5
Normal	-
Override	●

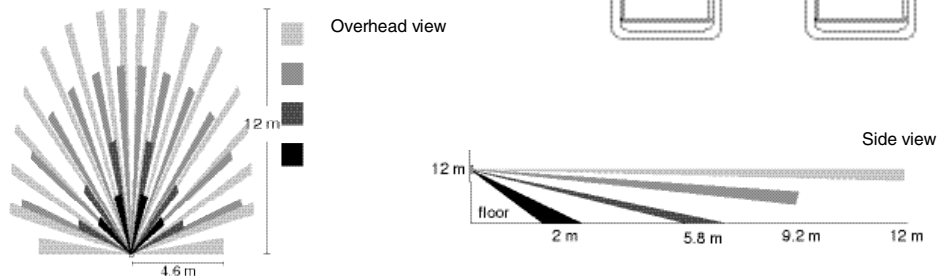
Manual Bi-level Lighting



3-way Lighting



Coverage



Ordering Information

Catalog No.	Voltage	Load Requirement	Coverage
WE-100	230 VAC, 50 Hz	0-1380 W	up to 110 square meters

Add to the end of catalog no.: -E for Euro White, -A for Arctic White