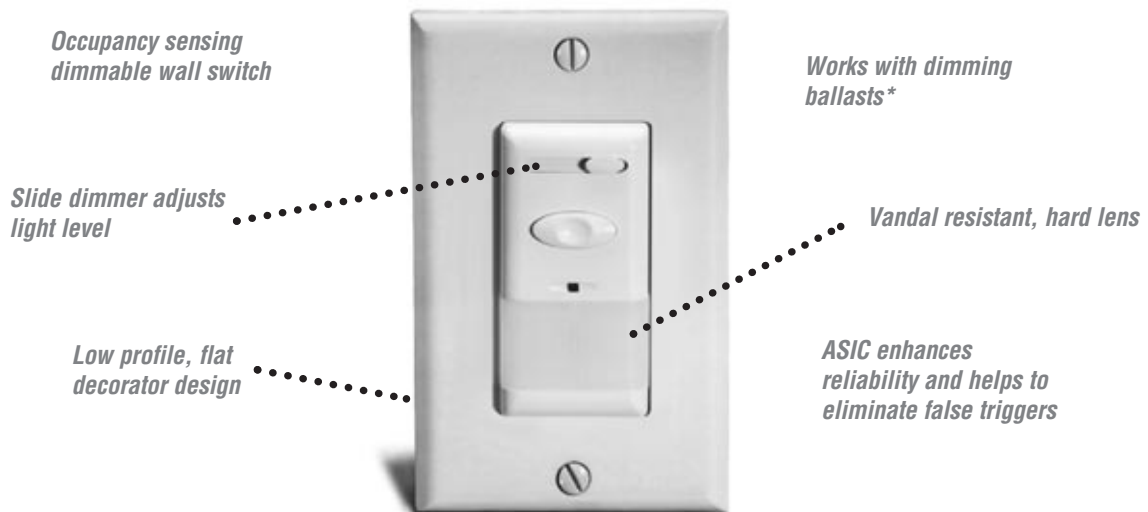




WD Dimmable PIR Wall Switch



Product Overview

Description

The WD sensors are decorator style, dimmable automatic wall switches. They replace standard wall switches and work with fluorescent fixtures using Philips Lighting Ecotron® ballasts with line voltage phase control input or Advance® Mark X™ electronic dimmable ballasts as well as incandescent fixtures.

Operation

The WD sensors use passive infrared (PIR) technology to turn lights on when the controlled space is occupied. The WD-170 and WD-180 automatically turn off once the space is vacated and the user-adjustable time delay elapses. The WD-270 and WD-280 have a dim-before-disconnect feature where once the space is vacated and the fixed 15 minute time delay elapses, lights dim to the minimum level. Then, lights turn completely off after a secondary, adjustable time delay. For all models, lights can be turned off manually by pressing the auto/off button.

Dimming Feature

The WD's slide dimmer adjusts the lighting from a minimum of 10% to a maximum of 100%. The position of the slide dimmer determines the light level that turns on upon occupancy. The combination of dimming and occupancy sensing provides a high degree of energy savings, as well as enhanced user control over the lighting environment.

Applications

The WD can be used in many spaces including private offices, small conference rooms, and copy rooms. Offices in public spaces can also use the WD because of the vandal resistant hard lens. The product's flat, low-profile appearance adds to the aesthetics in any location.

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
- Hard lens makes the unit resistant to vandalism
- Zero Voltage Turn ON/OFF increases life of sensor
- Line voltage dimmable; does not require extra control wiring to the ballast for the dimming function
- Patented voltage drop protection
- For safety, there is no leakage to load in the off mode and sensor is safety grounded
- LED indicates occupancy detection



www.wattstopper.com
800.879.8585

*Compatible with electronic dimming ballasts with line voltage phase control input as well as with incandescent fixtures



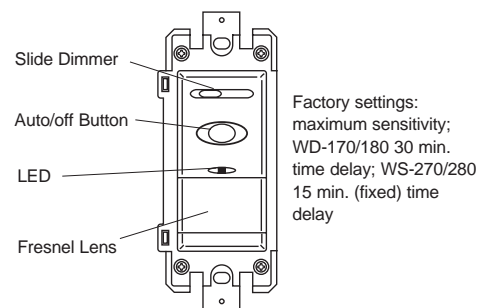
WD Technical Information

Specifications

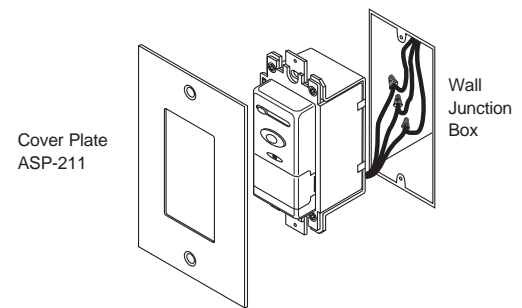
- WD-170, WD-270 operate at 120 VAC; WD-180, WD-280 operate at 277 VAC
- Coverage of 180 degrees, maximum 300 sq ft; 150 sq ft for desktop activity
- WD-170, WD-180: time delay adjustable during installation from 30 sec up to 30 min
- WD-270, WD-280: fixed initial 15 min time delay after which lights will dim to minimum level; secondary adjustable time delay from 5 min to 30 min after which lights turn off
- 1.0 mm hard poly IR 2 lens
- Dimensions: 2.7" x 1.8" x 2.2" (106mm x 42mm x 47mm) L x W x D
- UL and CUL listed; 5 year warranty

Controls & Wiring

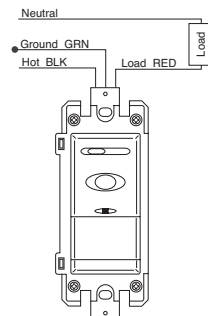
Product Controls



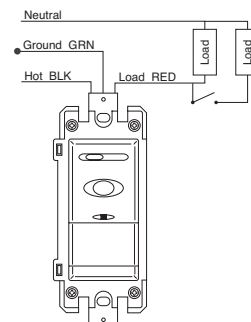
Installation



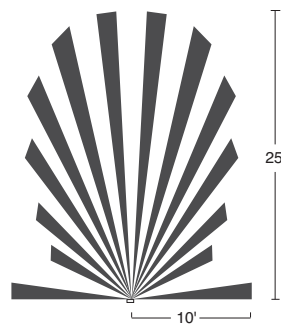
Single Level Lighting



Manual Bi-level Lighting



Coverage



The 2-level lens provides superior coverage at a desk-top level by allowing the sensor to detect vertical as well as horizontal motion.



Ordering Information

Catalog No.	Description	Load Requirements	Coverage	Off Mode
WD-170	120 VAC; 60Hz	10-500 Watt Ballast	up to 300 sq ft; 180°	automatic-off
WD-180	277 VAC, 60Hz	10-500 Watt Ballast	up to 300 sq ft; 180°	automatic-off
WD-270	120 VAC; 60Hz	10-500 Watt Ballast	up to 300 sq ft; 180°	dim-before-disconnect
WD-280	277 VAC, 60Hz	10-500 Watt Ballast	up to 300 sq ft; 180°	dim-before-disconnect
ASP-211	Cover plate for single gang box (one included with each unit)			
ASP-422	Blank cover plate for 2-gang box			
ASP-432	Switch option cover plate for 2-gang box			