

EW Outdoor Motion Sensor

Optional model with lampholders

Rated for use in temperature range of -40° to 130°F

Weatherproof and raintight for reliable performance



Isolated relay enables interface with security systems or other loads

Adjustable light level and time delay settings

270 degree field of view

PROJECT

LOCATION/TYPE

Product Overview

Description

WattStopper's EW outdoor motion sensors provide occupancy based control of outdoor lighting. Raintight and rated for -40°F to 130°F, EW sensors perform reliably in all weather conditions.

Operation

EW sensors operate at line voltage and can be mounted onto a standard, outdoor junction box. Utilizing advanced PIR technology, the sensors detect the difference between infrared energy in motion and the background space to turn lighting on when a person or vehicle enters the coverage area. After the area is vacated and the time delay elapses, lighting automatically turns off. The EW's dual PIR detectors and three level lens increase the detection density as well as the accuracy of motion detection.

Lampholders

For situations when a complete outdoor sensor package is desired, the EWF models include durable, polycarbonate lamp holders that accept PAR 20 or 38 lamps. They are UV and impact resistant and are impervious to weathering. The EWF features a unique dual-adjustment aiming system that allows the lamps to be angled and locked into position without the use of tools. The lamp holders' unique silicon seals allow them to be aimed above horizontal in damp or wet areas.

Applications

Applications for commercial settings include walkways, parking lots, dock lighting and warehouses. Typical uses outside a home include garages, backyards, entrance ways and porches.

Features

- Sensors can be mounted on walls, eaves, or ceilings for installation convenience
- 270° coverage
- Front rotates for easy coverage adjustment
- Precision, double-shot tooling with internal silicon gaskets prevents water and dust contamination
- No tools needed to aim or adjust lamp holders for speedier installation
- Optional override-ON to turn lights on remotely for the length of the time delay
- ON/OFF control based on daylight levels via adjustable light level setting
- Zero crossing circuitry reduces stress on the relay and results in increased sensor life
- ASIC enhances reliability and helps to eliminate false triggers
- Pulse Count Processing eliminates false triggers and provide RFI and EMI immunity
- Patented Voltage Drop Protection
- Solid state digital microprocessor offers increased reliability
- User-adjustable time delay from 12 seconds to 16 minutes

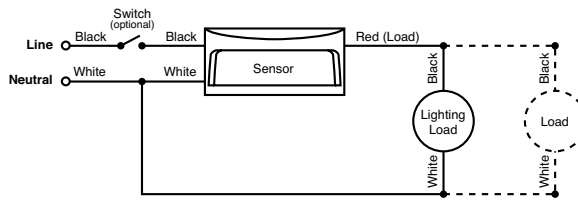


Specifications

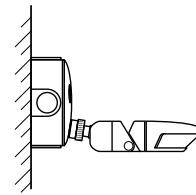
- 120 VAC or 277 VAC operation
- UL 773A rated raintight; UL 1571 rated for wet locations
- Operating temperature: -40° to 130°F (-40 to 54°C)
- Adjustable light level of 0.5 to 200 footcandles (5.4 - 2,152.8 lux)
- Isolated relay with N/O and N/C outputs; rated for 1 Amp @ 30 VDC/VAC (EW-200)
- 1/2" threaded nipple fits standard NEMA weatherproof fixture fitting
- Lamp holders use PAR 20 or 38 lamps, up to 150W each lamp*
- Compatible with all electronic ballasts and PL lamp ballast systems
- Sensor dimensions: 6.7" x 3.2" x 2.2" (170mm x 80mm x 55mm)
- UL and cUL listed
- Five year warranty

Wiring, Mounting & Installation

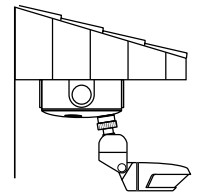
Wiring Diagram



Mounting Diagrams

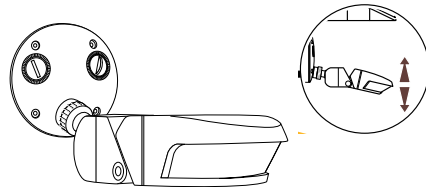


Wall or pole mounting

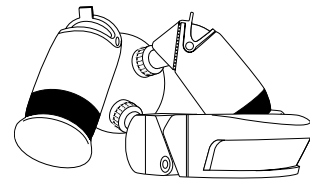


Ceiling/eave mounting

Installation & Positioning

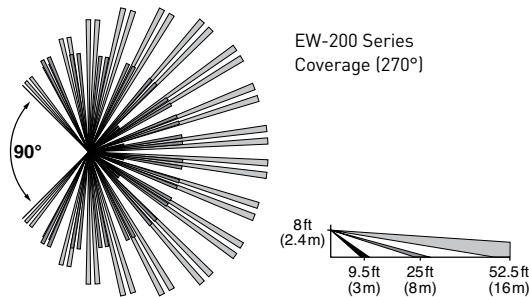


Sensor with Lampholders



Coverage

Coverage Pattern



Ordering Information

Catalog No.	Color	Voltage	Load Rating	Coverage	Features
<input type="checkbox"/> EW-200-120-W	Arctic white	120 VAC; 60 Hz	0-1000 watt ballast, tungsten	270°	Isolated relay
<input type="checkbox"/> EW-200-120-G	Arch. grey				
<input type="checkbox"/> EW-200-277-W	Arctic white	277 VAC; 60 Hz	0-1000 watt ballast	270°	Isolated relay
<input type="checkbox"/> EWF-205-120-W	Arctic white	120 VAC; 60 Hz	0-1000* watt ballast, tungsten	270°	Lamp holders

*The sensors with lamp holders may use up to 300 watts for lamps even though they have a 0-1000 watt load rating