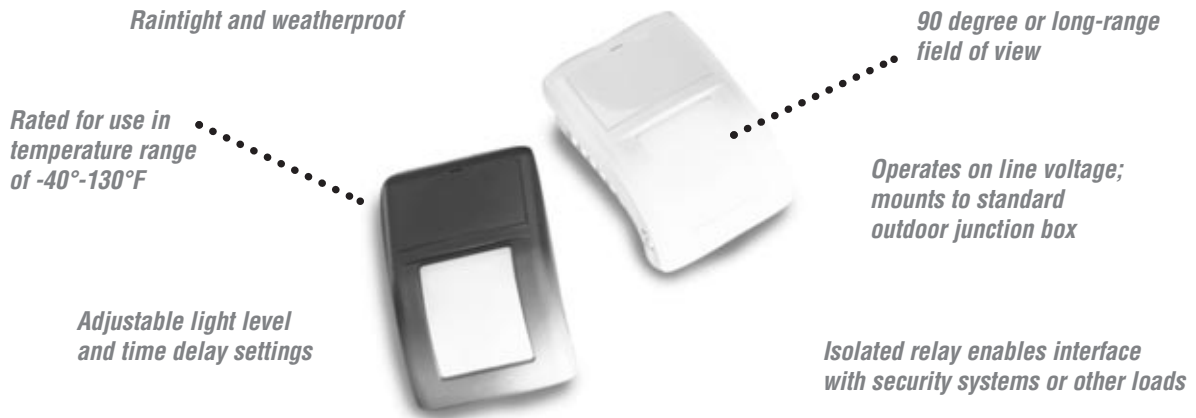




EN Outdoor Motion Sensor



Product Overview

Description

The Watt Stopper's EN sensors offer dependable occupancy based lighting control outdoors and under harsh conditions. Indoors, the sensors perform well where damp conditions or line voltage requirements exist. The sensors are raintight and rated for temperatures of -40°F to 130°F.

Operation

The EN sensors operate at line voltage. Utilizing advanced PIR technology, the sensors detect the difference between infrared energy in motion and the background space, and will 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. A built-in photocell allows the user to set the light level at which motion detection will turn lights on.

Line Voltage

With their low-profile, aesthetic design, the EN sensors offer a line voltage choice for damp conditions or outdoors, where low voltage may not be practical or desirable. They can be mounted onto a standard, outdoor junction box in a range of locations such as walls, ceilings, eaves, or over doorways.

Applications

EN sensors are ideal for control of outdoor lighting in areas such as walkways, entryways, or dock lighting, and over doorways. Optimal indoor applications include corridors, doorways, entrances, and warehouses. The 90° coverage pattern is ideal for open work areas in applications such as food processing plants or greenhouses. The narrow long-range coverage pattern is suitable for corridors or aiseways.

Features

- Sensors can be mounted on walls, eaves, or ceilings for installation convenience
- Two coverage patterns for broad applicability
- Precision, double-shot tooling with internal silicon gaskets prevents water and dust contamination
- 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
- ASIC enhances reliability and helps to eliminate false triggers
- The Watt Stopper's Zero Crossing Circuitry reduces stress on the relay and results in increased sensor life
- 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





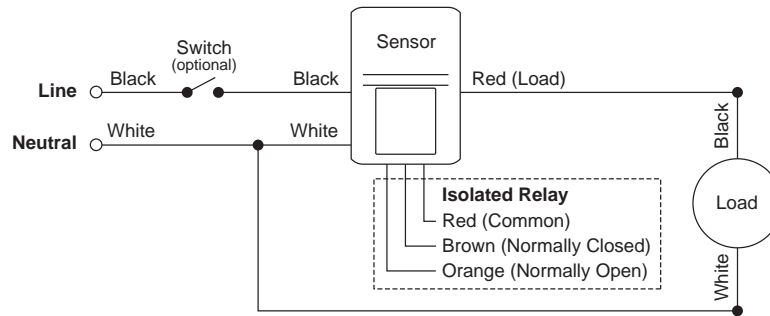
EN Technical Information

Specifications

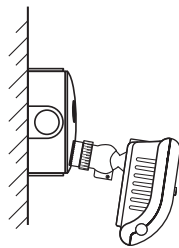
- Operating temperature range -40°F to +130°F
- UL 773A rated raintight
- 120 VAC or 277 VAC, 60 Hz operation
- EN-100 series provides 90° coverage; EN-200 series provides narrow long-range coverage
- Adjustable light level adjustment of .4 to 42 footcandles
- 3/4" threaded nipple fits standard NEMA weatherproof fixture fitting
- Single-pole, double throw isolated relay
- Compatible with all electronic ballasts and PL lamp ballast systems for broad applicability
- Dimensions: 4.3" x 3.0" x 2.3" (110mm x 77mm x 58mm)
- UL and CUL listed; Five year warranty

Wiring & Mounting

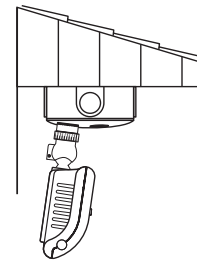
Wiring Diagram



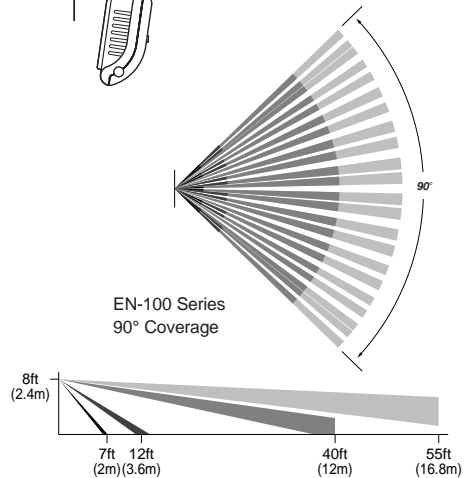
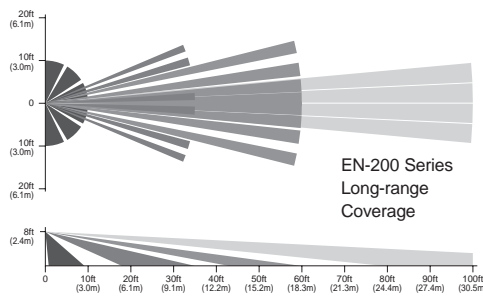
Wall Mounting



Ceiling/Eave Mounting



Coverage



Ordering Information

Catalog No.	Description	Load Requirement	Voltage	Coverage
EN-100-120	Outdoor/Indoor Sensor	0-1000 watt ballast, tungsten	120 VAC: 60 Hz	90°
EN-100-277	Outdoor/Indoor Sensor	0-1000 watt ballast	277 VAC: 60 Hz	90°
EN-200-120	Outdoor/Indoor Sensor	0-1000 watt ballast, tungsten	120 VAC: 60 Hz	Long-range
EN-200-277	Outdoor/Indoor Sensor	0-1000 watt ballast	277 VAC: 60 Hz	Long-range

Add -W to catalog # for Arctic White, -G for Architectural Grey.
Load ratings 1000W Incandescent or Halogen, 1000W Fluorescent.