



# EM-24A2 – AC LOW VOLTAGE PHOTOCELL

This is the AC low voltage photocell. Typically mounted so the light level window faces the northern sky, the EM photocell provides an ON signal when the ambient light level drops below a preset “dark” setpoint. It then provides a signal OFF as the ambient light level rises above the preset “light” setpoint. The setpoint can be changed for specific applications by opening and closing the photocell’s aperture window. Normally, a lighting control panel or a power pack supplies power to the photocell. The photocell’s relay contact red wires are connected to the panel or to a low voltage controlled load. [Check out Wattstopper DLM products here.](#)

- One set of normally open, isolated relay contacts; contacts are closed when sensed light level is below dark setpoint, open when light level is above light setpoint
  - 8-second time delay and built-in setpoint deadband prevent cycling
  - 1/2” threaded male conduit base for easy mounting on conduit fittings or junction boxes.
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## EW-200 SERIES – OUTDOOR MOTION SENSOR

This is the outdoor motion sensor. 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.

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. [Check out Wattstopper DLM products here.](#)

- 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
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## **PCELL 2W0 BB**

- Two-wire photo sensor designed for single-zone outdoor lighting control applications
- Monitored using Digital Time Clock(DTC)
- Sealed housing for operation in wet conditions