Motion Sensor

Used for motion activated and dusk to dawn lighting control of flood lights, area lights, etc. Durable weatherproof construction utilizing infrared technology to sense temperature changes caused by movement of people or cars in the detection zone. Turns on the load immediately when a temperature change is detected and turns off the load within a specified duration.

Specifications

Detection Angle	180°	**Detection Range**	0 ft to 65 ft (adjustable)
Rotary Angle	360° , Patented multi-directional swivel joint	**Time Setting**	2 sec to 80 min (adjustable)
Photocell	Cadmium sulphided, epoxy coated, ½ in diameter	**Ambient Light Sensitivity**	10 Lux when set at minimum Lux setting
Cover / base sealing	UV stabilized impact resistant polycarbonate (PC) with gasket	**Regulatory Certifications**	UL IP65
Lead wires	3 color coded, minimum 9" wire leads, AWG 16, rated 105° C	**Power supply**	50/60 Hz, 120 +/- 10% VAC
Power Consumption	Standby power 0.7W	**Rated load**	Tungsten 360W, Fluorescent 80W
Temperature Range	0° C to +40° C, <93% RH	**Working environment**	Indoor / Outdoor

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Product Features

- Automatically turn on load when movement is detected
- Automatically turn off load after specified duration
- Photocell keeps load off during daylight hours
- Provides safety / security to welcome visitors and deter intruders
- LED indications movement was detected

Installation Tips

- Motion sensor must be below and as far away as possible from lights to avoid false detection / triggering of the load.
- Avoid installing the motion sensor near something that would move or cause temperature changes such as HVAC units, tree branches, etc.
- Motion detection is optimized when the direction of expected movement is across the detection area, not towards the detection area.
- Avoid aiming the motion sensor within 20 feet of a road or sidewalk
- Motion sensor should be mounted vertically and level side to side.
- Avoid mounting motion sensor too high. If mounted above 20 feet, the detection range will be reduced.
- Avoid mounting the motion sensor in an unprotected area to reduce false detection / triggering of the load caused by temperature changes from wind, rain, snow, etc.
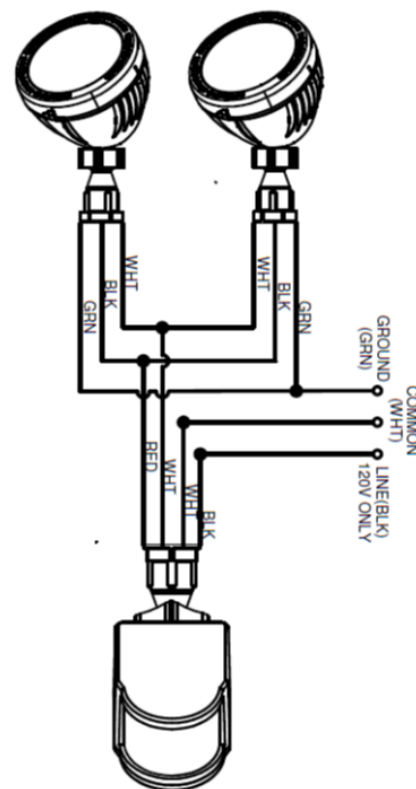
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Motion Sensor

Assembly & Installation Instructions

Please refer to installation diagram.

1. **Turn off power to electrical connections.**

2. **Wiring must be performed by a qualified electrician.**

3. Make electrical connections according to the local and National Electrical Codes.

4. Remove all parts from packaging along with hardware bag.

5. There are three wires coming out of the product:

> Black Wire - Line Voltage
>
> White Wire - Neutral
>
> Red Wire - Lamp Load

6. Connect wires according to the Figure (typical installation application). Use wire nuts provided.

CAUTION: Read instructions carefully and turn electricity off at main circuit breaker panel before beginning installation. If you do not understand these instructions, before starting any work, contact techsupport@hubbell-ltg.com or (864) 678-1000.

WARNING: Follow the instructions carefully to assure full compliance with local, state, and NEC requirements. If there are any questions, contact a Qualified Electrical Contractor.

WARNING: All electrical work must be done by a qualified electrician.

NOTE: SUITABLE FOR WET LOCATIONS.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning, or otherwise touching this product.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

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Assembly & Installation Instructions

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**Dongguan Hubbell Electrical
Products Co. Ltd.**

Xincheng Industrial Zone
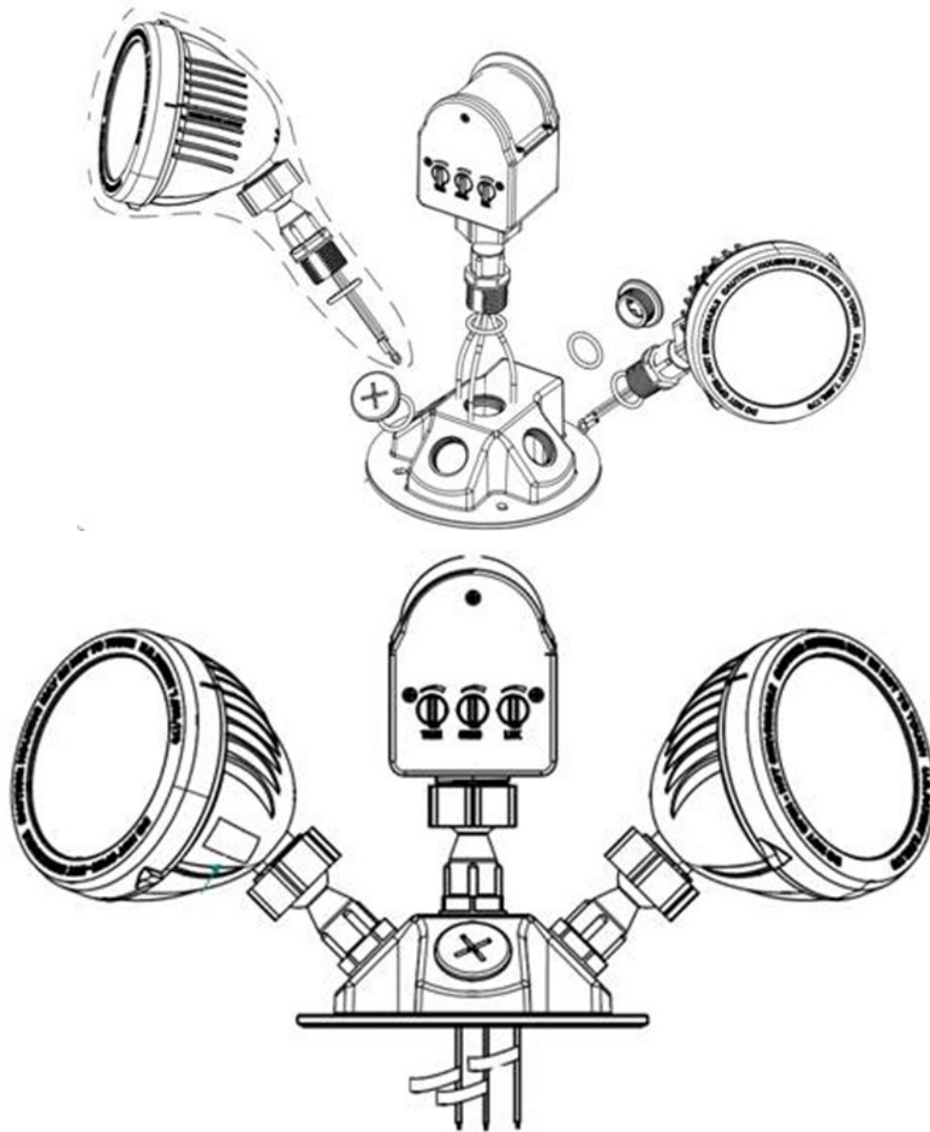HengLi Town, Dongguan City
Guangdong Province, PRC 523460

Mobile US: 631-245-2406
Mobile China: 135 4472 2775
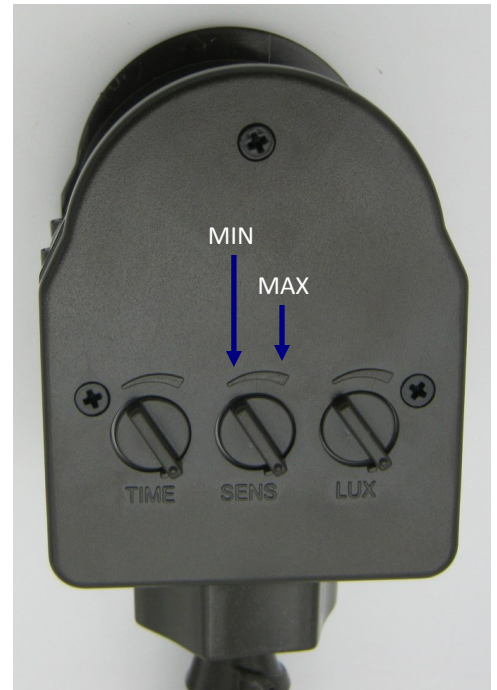Email: Tcattaneo@KeltaCorp.com

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Test

1. Turn the SENS knob clockwise to the maximum position. Turn the TIME knob counterclockwise to the minimum position. Turn the LUX knob clockwise to the maximum position for night time testing and counterclockwise to the minimum position for daytime testing.

2. When you turn on the power to the load, the controlled load should not turn on. Cover the detection window with an opaque object (towel, etc.) and the load turns on. After 3 to 5 seconds and no movement is detected, the load turns off.

3. Turn the LUX knob to the middle position. Create movement in the detection zone to turn on the load. The load turns off automatically. The load will turn on again if there is movement in the detection zone within 2 to 5 seconds of the load turning off.

Note: When testing during daylight hours, turn LUX knob counterclockwise to minimum position, otherwise the sensor will not turn on the load!

MIN

MAX

TIME   SENS   LUX

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