

Atlas

Lighting Products

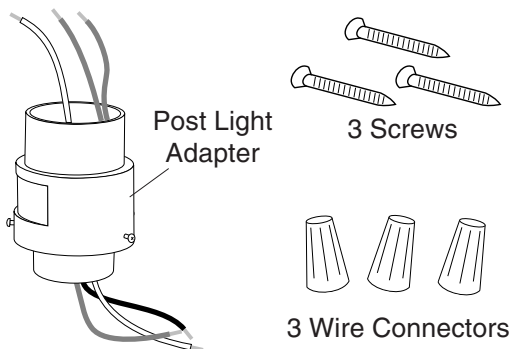
GUARDIAN PRO™ POST SENTRY

Model PLMS

Features

- Light comes on when motion is detected.
- Automatically controls existing post light.
- Dual Light Level.
- Photocell keeps the light off during daylight hours.

This package includes:



Requirements

- The Light Control requires 120 volts AC.
- If you want to use Manual Override, the control must be wired through a switch.
- **Some codes require installation by a qualified electrician.**

OPERATION

Mode:	On-Time	Works: Day	Night
Test	5 Sec	x	x
Auto	1, 5, or 20 Min		x
Manual	To Dawn*		x
Accent	3,6 Hr, to Dawn		x

* resets to Auto Mode at dawn.

TEST

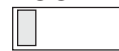
Put ON-TIME switch on the sensor bottom to TEST and the Dual Light Level (ACCENT) switch OFF.

ON-TIME



TEST 1 5 20

ACCENT



Off 3 6 Dusk to Dawn

AUTO

Set ON-TIME switch to 1, 5, or 20 minutes.



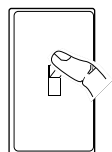
TEST 1 5 20 MIN

MANUAL MODE

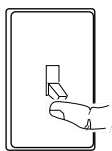
Manual mode only works at night because daylight returns the sensor to AUTO.

Flip the light switch off for one second then back on to toggle between AUTO and MANUAL MODE.

Manual mode works only with the ON-TIME switch in the 1, 5, or 20 position.

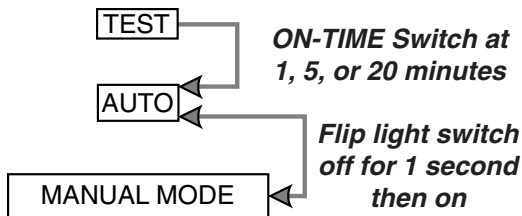


1 Second
OFF then...



... back on.

Mode Switching Summary



* If you get confused while switching modes, turn the power off for one minute, then back on. After the calibration time the control will be in the AUTO mode.

Dual Light Level Control

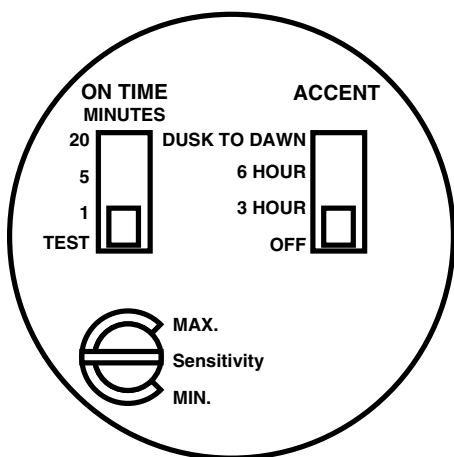
Light comes on half bright for selected time after dusk (Off, 3 hr., 6 hr., until dawn). If motion is sensed, the light turns on full bright for the ON-TIME (1, 5, or 20 minutes) then returns to dim mode.

INSTALLATION

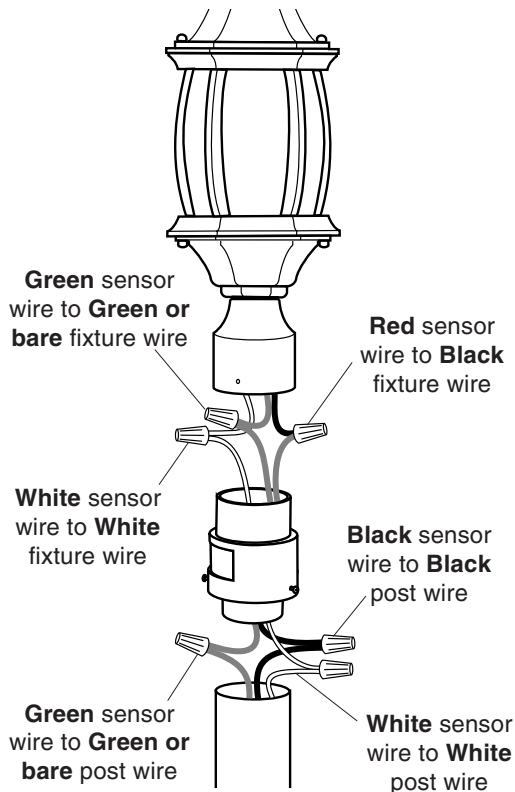
- ❑ Turn power off at circuit breaker.
- ❑ On existing installations, remove the light from the top of the post. Keep the wire connectors to make the connections to the top of the sensor.

CAUTION: When handling the sensor be careful not to pinch or distort the lens. You may break the seal and cause wind-blown rain to enter the sensor.

- ❑ Remove the three screws around the bottom edge of the sensor. Save these screws for later use.
- ❑ Set the controls on the bottom as shown: ON-TIME to TEST, Dual Light Level (ACCENT) OFF, and Sensitivity to mid-position.



- ❑ Twist the wires from the post and the bottom sensor wires together as shown. Secure with wire connectors provided.
- ❑ Make sure the wires and connectors are all inside the post, then set the sensor onto the post.
- ❑ Start and temporarily tighten the three screws previously removed from the sensor.
- ❑ Twist the wires from the fixture and the top sensor wires together as shown. Secure with wire connectors saved from your fixture.
- ❑ Make sure all the wires and connectors are inside the fixture/sensor wiring compartment. Set your coach light onto the sensor and proceed to the adjustments on the next page.



SPECIFICATIONS

Range	Up to 30 ft. (9.1 m) [varies with surrounding temperature]
Sensing Angle	Up to 150°, 360° adjustable
Sensor Capacity . . .	Up to 360 Watts (3.0 A.) Maximum
Power Requirements	120 VAC, 60 Hz
Operating Modes . .	TEST, AUTO and MANUAL OVERRIDE
Time Delay	1, 5, 20 minutes
Sensitivity	Adjustable
Dual Light Level . .	3, 6 hours, Dusk-to-Dawn

Atlas Lighting Products, Inc. reserves the right to discontinue products and to change specifications at any time without incurring any obligation to incorporate new features in products previously sold.

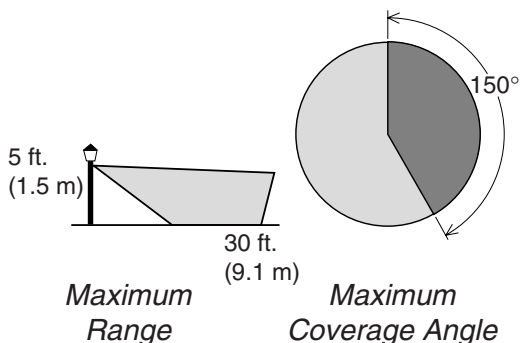
ADJUSTMENTS

- ❑ Turn on the circuit breaker and light switch.

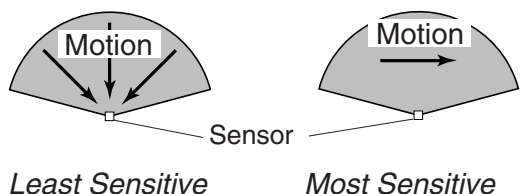
NOTE: Sensor has a 1 1/2 minute warm up period before it will detect motion. When first turned on or when switching from Manual to Auto mode wait 1 1/2 minute.

Avoid aiming the control at:

- Objects that change temperature rapidly, such as **heating vents and air conditioners**. These heat sources could cause false triggering.
- Areas where **pets or traffic** may trigger the control.
- **Nearby large, light-colored objects** reflecting light may trigger the shut-off feature. Do not point other lights at the sensor.

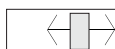


The detector is less sensitive to motion directly towards it and more sensitive to across motion.



- ❑ Walk through the coverage area noting where you are when the lights turn on. Loosen the 3 clamp screws slightly and turn the sensor head left or right to change the coverage area.

- ❑ When you have the desired coverage angle make a pencil mark on the sensor and post to mark the sensor position.
- ❑ If you need to change the sensitivity, temporarily lift the fixture and sensor to make the adjustment. It may be necessary to have a friend hold the fixture while adjusting the sensitivity. Too much sensitivity may increase false triggering.
- ❑ Set the amount of ON TIME you want the light to stay on after motion is detected. (1, 5, or 20 minutes).



TEST 1 5 20 MIN



OFF 3 6 DUSK TO
HOUR DAWN

- ❑ Set the Dual Light Level (ACCENT) switch to the amount of time after dusk you want the lights on at low level (Off, 3, 6 Hrs., Dusk-to-Dawn).
- ❑ Put the sensor and fixture back in place. Align the pencil marks made above. Tighten the three screws to secure the sensor.

Securing Brass & Plastic Post Lamps

- ❑ Turn power off at circuit breaker.
- ❑ Turn the post lamp to the desired location. Using a #31 drill and the fixture as a template slightly mark the location of one of the fixture mounting holes. DO NOT drill through the sensor plastic.
- ❑ Lift the fixture off the sensor and keep the wires away from where you need to drill. Now finish drilling the first hole.
- ❑ Set the fixture in position and install a screw (provided) to hold the fixture.
- ❑ Mark the remaining holes as above.
- ❑ Remove the one screw and lift the fixture and drill the remaining holes as above.
- ❑ Set the fixture in position and install all the screws (3 provided). Be careful to not over tighten the screws and strip out the plastic.

TROUBLESHOOTING GUIDE

If you experience a problem with your Light Control, first follow this guide. For additional assistance write to: Atlas Lighting Products, Inc. • Customer Service Department • P.O. Box 2348 • Burlington, NC 27216

SYMPTOM	POSSIBLE CAUSE
Light will not come on.	1. Light switch is turned off. 2. Bulb is loose or burned out. 3. Fuse is blown or circuit breaker is turned off. 4. Daylight turnoff is in effect (<i>Re-check after dark</i>). 5. Incorrect circuit wiring, if this is a new installation. 6. Re-aim the sensor to cover desired area.
Light comes on in daylight.	1. Light Control may be installed in a relatively dark location. 2. Light Control is in Test. (<i>Set control switch to an ON-TIME position</i>).
Light comes on for no apparent reason.	1. Light Control may be sensing small animals or automobile traffic (<i>Re-aim sensor</i>). 2. Sensitivity is set too high. (<i>Reduce sensitivity</i>).

SYMPTOM	POSSIBLE CAUSE
Light stays on continuously.	1. The sensor is pointed at nearby objects that cause heat to trigger the sensor. (<i>Aim the sensor away from nearby objects</i>). 2. The sensor is pointed toward a heat source like an air vent, dryer vent, or brightly-painted heat-reflective surface. (<i>Re-aim sensor</i>).
Light flashes on and off.	1. Heat being reflected from other objects may be affecting the sensor. (<i>Re-aim sensor</i>). 2. Light Control is in the Test mode and warming up. (<i>Flashing is normal under these conditions</i>).

FIVE YEAR LIMITED WARRANTY

Atlas Lighting Products, Inc. warrants against defects in materials or workmanship for a period of five years from the date of purchase for use, and agrees to repair or, at our option, replace a defective unit without charge for either parts or labor. **IMPORTANT:** This warranty does not cover damage resulting from accident, misuse of abuse, lack of reasonable care, the affixing of any attachment not provided with product, alteration of any attachments factory installed, loss of parts or subjecting the fixture to any but the specified electrical service. This warranty does not cover failure of the bulb due to accidents, abuse, misuse, vandalism, power surges, and acts of nature such as lightning damage. No responsibility is assumed for any special incidental or consequential damages. Damages occurring during transit are not covered by this warranty-including UPS shipments. To obtain warranty service, mail sales receipt as proof-of-purchase, date and a brief explanation of the nature of the defect, to the address listed below. You will receive, by mail, a Return Goods Authorization number and full instructions for returning defective merchandise. **All returned goods must be accompanied by a Return Goods Authorization number issued by Atlas Lighting Products, Inc.**

NOTE: No other warranty, written or verbal, is authorized by Atlas Lighting Products, Inc. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion and limitations may not apply to you.

For information regarding replacement parts please write to:

Atlas Lighting Products, Inc.
Attn: Customer Service Department
P.O. Box 2348
Burlington, NC 27216