

Troubleshooting – PAR Motion Security Lighting

Problem	Possible Cause	Solution
<p>The light flickers or the light is very dim.</p>	<ul style="list-style-type: none"> □ PAR 38 LED & CFL bulb needs to be dimmable. 	<ul style="list-style-type: none"> □ Use the following bulb types: PAR38 halogen, PAR38 incandescent, PAR38 dimmable LED (EnergyStar listed, UL listed, outdoor rated-wet rated), PAR38 dimmable CFL (outdoor rated-wet rated).
<p>The light stays on continuously.</p>	<ul style="list-style-type: none"> □ Light bulb is not compatible. PAR 38 LED & CFL bulb needs to be dimmable. □ “DUALBRITE” feature is enabled (for model with “DUALBRITE” feature). □ Power surge may have caused the light to be activated in manual mode. □ The wall switch may have been accidentally turned off and on quickly which activated manual mode. □ The light fixture is wired through a dimmer or timer. □ The motion sensor may be picking up a heat source, such as an air vent, dryer vent, or brightly painted, heat-reflective surface. □ The bulb is positioned too close to the motion sensor and the heat from the bulb is triggering the sensor. □ Electronic interference on the same circuit is overriding the sensor. 	<ul style="list-style-type: none"> □ Use the following bulb types: PAR38 halogen, PAR38 incandescent, PAR38 dimmable LED (EnergyStar listed, UL listed, outdoor rated-wet rated), PAR38 dimmable CFL (outdoor rated-wet rated). □ Set “DUALBRITE” to off and use as motion-activated light only. □ Reset the power to the light by turning the power off at the wall switch or breaker for 3 seconds and turning the power on. □ Turn manual mode off by turning the light off at wall switch for 3 seconds and then back on. See “Using manual mode” in the manual. □ Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch. □ Decrease the “Sensitivity” setting or reposition the motion sensor away from the heat source. □ Ensure the bulbs are positioned away from the motion sensor. □ Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs (ceiling fan, garage door opener, fluorescent lighting, GFI outlets, etc).

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<p>The light comes on for no apparent reason.</p>	<ul style="list-style-type: none"> □ The “Sensitivity” setting is set too high. □ The “DUALBRITE” setting is in the 3 hour, 6 hour, or dusk-to-dawn setting. The light fixture will turn on after sundown (for models with DUALBRITE feature). □ The light fixture is wired through a dimmer or timer. □ The outside temperature is much warmer or cooler than a person’s body heat (summer or winter). □ The motion sensor may be sensing small animals or automobile traffic. □ The motion sensor may be picking up a heat source, such as an air vent, dryer vent, or brightly painted, heat-reflective surface. □ Electronic interference on the same circuit is overriding the sensor. 	<ul style="list-style-type: none"> □ Decrease the “Sensitivity” setting. □ The light fixture is operating normally. □ Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch. □ Decrease the “Sensitivity” setting. □ Decrease the “Sensitivity” setting or reposition the motion sensor. □ Decrease the “Sensitivity” setting or reposition the motion sensor. □ Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs (ceiling fan, garage door opener, fluorescent lighting, GFI outlets, etc).
<p>The light will not come on.</p>	<ul style="list-style-type: none"> □ The wall switch is turned off. □ No power, the fuse is blown or circuit breaker is turned off. □ Daylight turn-off (photocell) is in effect. When the “ON-TIME” switch is in the 1, 5, 20 minutes position, light fixture only operates after dark. □ The circuit wiring is incorrect (if this is a new installation). □ The motion sensor is aimed in the wrong direction. □ The outside air temperature is close to the same as a person’s body heat. 	<ul style="list-style-type: none"> □ Turn the wall switch on. □ Replace the fuse or turn the circuit breaker on. □ Recheck after dark. Photocell picking up too much light. If there are any other light sources nearby - especially if they are below this fixture - they could be triggering the photocell in the fixture. □ Verify the wiring is correct. □ Re-aim the motion sensor to cover the desired area. □ Increase the “Sensitivity” setting.
<p>The light comes on during the day.</p>	<ul style="list-style-type: none"> □ The “ON-TIME” switch is in the test position to allow light fixture operate during the day. □ The motion sensor maybe installed in a relatively dark location. 	<ul style="list-style-type: none"> □ Set the “ON-TIME” switch to the 1, 5 or 20 minute setting. □ Relocate the light fixture.

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The light cycles on and off.	<ul style="list-style-type: none"> □ Photocell has not had time to calibrate for differences between daylight / darkness. It will think its own light is sunlight and turn off after a short period of time. □ Heat or light from the lamp heads may be turning the motion sensor on and off. □ Heat is being reflected from other objects and may be turning the motion sensor on and off. □ Electronic interference on the same circuit is overriding the sensor. □ “Smart Meter” nearby. Motion sensor false triggered by transmission used by smart meter. 	<ul style="list-style-type: none"> □ Apply power to the fixture for at least an hour before nightfall. □ Reposition the lamp heads away from the motion sensor. □ Decrease the “Sensitivity” setting or reposition the motion sensor. □ Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs (ceiling fan, garage door opener, fluorescent lighting, GFI outlets, etc). □ Move fixture away from the meter.
The light turns off too late in the Dusk-to-Dawn setting.	The light fixture may be installed in a relatively dark location.	Relocate the light fixture or use the 3 hour or 6 hour setting.
The light stays on longer than the time set.	The timer resets each time motion is detected. If motion reoccurs before the timer elapses, the light will remain on because the timer has re-started.	The light fixture is operating normally.
Sensitivity changes without any adjustment made.	Sensitivity will vary depending on weather conditions. Infrared sensors detect a change in ambient temperature. Sensor is less sensitive when body temperature and the ambient temperature are about the same (summer).	Adjust sensitivity setting accordingly.