

Operation

1 Adjusting the bulb holders



WARNING: Risk of fire. Do not aim the bulbs at a combustible surface within 3 ft. (1 m).



WARNING: Risk of fire. Keep the bulbs at least 2 in. (51 mm) from combustible materials.



CAUTION: Keep the sensor at least 1 in. (25 mm) away from the bulbs.

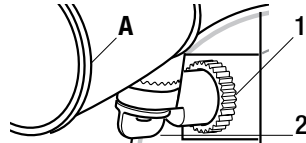


CAUTION: Keep bulb holders 30° below horizontal to avoid water damage and electrical shock.

- Turn the power on at the circuit breaker or fuse and turn on the wall switch.
- Loosen the lock nut (1) and thumb screw (2) to adjust the bulb holders (A) for the desired light coverage.
- Tighten the lock nut (1) and thumb screw (2).



NOTE: Do not rotate the bulb holders more than 180° from the factory setting.



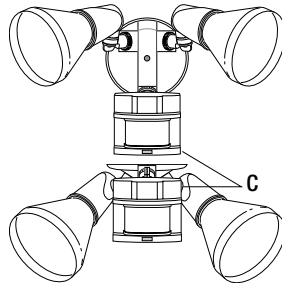
2 Rotating sensor controls downward



CAUTION: To avoid water damage and risk of electrical shock, the motion sensor controls must be facing the ground when installation is complete.

- Rotate the motion sensor (C) so the controls face toward the ground.

NOTICE: All clearances must be maintained. See Safety Information on page 2.



3 Setting the sensor for testing

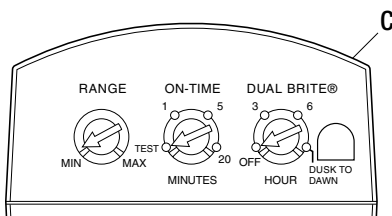


NOTE: When the "ON-TIME" dial is turned to the "TEST" position, the light fixture will operate during the day or night. The light will stay on for 5 seconds after all motion is stopped.



NOTE: The motion sensor will need to completely warm up (90 seconds) before beginning the setup process.

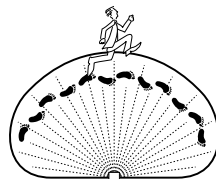
- Turn the "ON-TIME" dial to the "TEST" position.
- Turn the "DUALBRITE" dial to the "OFF" position.
- Turn the "RANGE" dial to the "MIN" position.
- Aim the motion sensor (C) in the general direction of the area to be covered.



4 Adjusting the motion sensor detection zone

- Turn on the circuit breaker or fuse and the light switch.
- Perform a "walk test". Walk in an arc across the front of the motion sensor (C).
- Watch the light. The light will come on and the red LED will flash indicating motion has been detected.
- Stop, wait for the light to turn off, and then begin walking again.
- Continue this process until the detection zone has been established.
- Adjust the sensor up, down, or side to side to change the motion sensor (C) detection zone.

NOTE: If the sensor pops out of the ball joint, please see the RE-ATTACHING SENSOR TO FIXTURE SECTION on how to fix.



Operation

5 Adjusting the RANGE dial

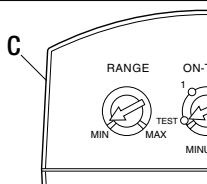
- To increase the detection zone, turn the "RANGE" dial toward the "MAX" position.
- To decrease the detection zone, turn the "RANGE" dial toward the "MIN" position.



NOTE: The motion sensor is more sensitive to motion moving across the front of the sensor. The motion sensor is less sensitive to motion moving directly toward the front of the sensor.



NOTE: The higher the "RANGE" setting (sensitivity), the greater the possibility of false triggering. To reduce false triggering, rotate the "RANGE" control toward the "MIN" setting.

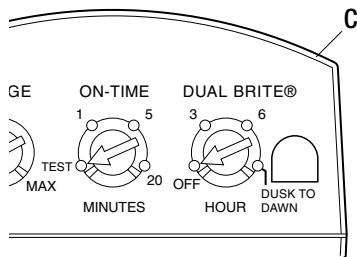


6 Adjusting the ON-TIME dial



NOTE: The "ON-TIME" dial determines the amount of time the light will stay on full bright after all motion has stopped. When the "ON-TIME" dial is set to the 1, 5, or 20 minute position, the light will only come on during the night.

- Turn the "ON-TIME" dial to the 1, 5, or 20 minute position.

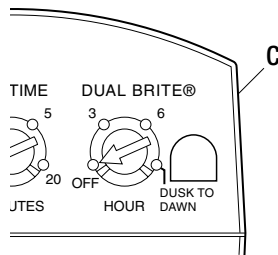


7 Adjusting the DUALBRITE dial



NOTE: The "DUALBRITE" feature determines the amount of time the lights stay on at an accent level after sundown when there is no motion. Switching this setting to "OFF" will not affect the "ON-TIME" setting or the photocell.

- Turn the "DUALBRITE" dial to OFF, 3 hours, 6 hours, or dusk-to-dawn (sunset to sunrise).



8 Using manual mode

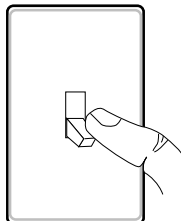


NOTE: Manual mode overrides the motion sensor so the light will operate full bright. This feature only works at night and only for one night at a time. The motion sensor will reset to motion sensing mode after 6 hours or sunrise, whichever comes first. Manual mode can be toggled on and off using a wall switch.

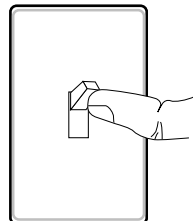
- To turn manual mode on, switch the light off at the wall switch for 3 to 4 seconds and then back on.
- To turn manual mode off, switch the light off at the wall switch for 3 to 4 seconds and then back on.



NOTE: If the power to the light fixture is off for more than 5 seconds, allow the motion sensor to warm up prior to switching to manual mode.



Turn the switch OFF for 3 to 4 seconds



Turn the switch back ON

Troubleshooting

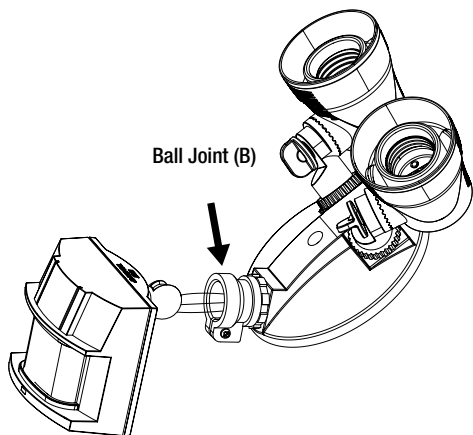
Problem	Possible Cause	Solution
The light will not come on.	<ul style="list-style-type: none"> <input type="checkbox"/> The light switch is turned off. <input type="checkbox"/> The bulb is loose or burned out. <input type="checkbox"/> The fuse is blown or the circuit breaker is turned off. <input type="checkbox"/> Daylight turn-off (photocell) is in effect. <input type="checkbox"/> The circuit wiring is incorrect, if this is a new installation. <input type="checkbox"/> The motion sensor is aimed in the wrong direction. <input type="checkbox"/> The outside air temperature is close to the same as a person's body heat. 	<ul style="list-style-type: none"> <input type="checkbox"/> Turn the light switch on. <input type="checkbox"/> Check the bulb and replace if burned out. <input type="checkbox"/> Replace the fuse or turn the circuit breaker on. <input type="checkbox"/> Recheck after dark. <input type="checkbox"/> Verify the wiring is correct. <input type="checkbox"/> Re-aim the motion sensor to cover the desired area. <input type="checkbox"/> Increase the "RANGE" setting.
The light comes on during the day.	<ul style="list-style-type: none"> <input type="checkbox"/> The motion sensor may be installed in a relatively dark location. <input type="checkbox"/> The "ON-TIME" dial is in the "TEST" position. 	<ul style="list-style-type: none"> <input type="checkbox"/> The light fixture is operating normally under these circumstances. <input type="checkbox"/> Turn the "ON-TIME" dial to the 1, 5, or 20 minute setting.
The light comes on for no apparent reason.	<ul style="list-style-type: none"> <input type="checkbox"/> The motion sensor may be sensing small animals or automobile traffic. <input type="checkbox"/> The "RANGE" dial is set too high. <input type="checkbox"/> The "DUALBRITE" dial is in the 3 hour, 6 hour, or dusk-to-dawn setting. <input type="checkbox"/> The outside temperature is much warmer or cooler than a person's body heat (summer or winter). <input type="checkbox"/> The light fixture is wired through a dimmer or timer. 	<ul style="list-style-type: none"> <input type="checkbox"/> Re-aim the motion sensor. <input type="checkbox"/> Decrease the "RANGE" setting. <input type="checkbox"/> The light fixture is operating normally under these circumstances. <input type="checkbox"/> Decrease the "RANGE" setting. <input type="checkbox"/> Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch.
The lights turn off too late in 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.

Troubleshooting (continued)

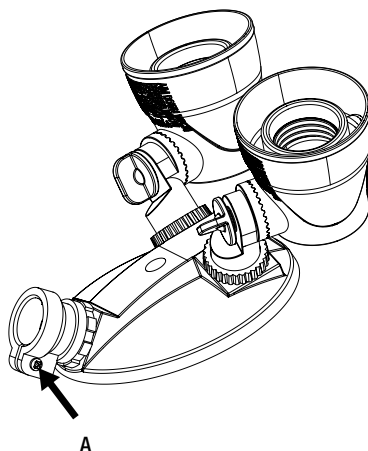
Problem	Possible Cause	Solution
The lights stay on continuously.	<ul style="list-style-type: none"> <input type="checkbox"/> A bulb is positioned too close to the motion sensor or pointed at nearby objects that cause heat to trigger the light sensor. <input type="checkbox"/> The motion sensor may be picking up a heat source like an air vent, dryer vent, or brightly painted, heat-reflective surface. <input type="checkbox"/> The motion sensor is in manual mode. <input type="checkbox"/> The light fixture is wired through a dimmer or timer. <input type="checkbox"/> The light fixture is on the same circuit as a motor, transformer, or fluorescent bulb. 	<ul style="list-style-type: none"> <input type="checkbox"/> Reposition the bulb away from the motion sensor or nearby objects. <input type="checkbox"/> Decrease the “RANGE” setting or reposition the motion sensor. <input type="checkbox"/> Switch the motion sensor to auto. <input type="checkbox"/> Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch. <input type="checkbox"/> Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs.
The lights flash on and off.	<ul style="list-style-type: none"> <input type="checkbox"/> Heat or light from the bulbs may be turning the motion sensor on and off. <input type="checkbox"/> Heat is being reflected from other objects and may be turning the motion sensor on and off. <input type="checkbox"/> The motion sensor is in “TEST” mode and warming up. <input type="checkbox"/> Light may be leaking through the bulb reflectors. 	<ul style="list-style-type: none"> <input type="checkbox"/> Reposition the bulbs away from the motion sensor. <input type="checkbox"/> Reposition the motion sensor. <input type="checkbox"/> Flashing is normal under these conditions. <input type="checkbox"/> Replace the bulbs with new high quality PAR 38 bulbs.
The lights flash once then stay off in manual mode.	The motion sensor is detecting light from the bulbs.	Reposition the bulbs to keep the area below the motion sensor relatively dark.

Re-attaching sensor to fixture

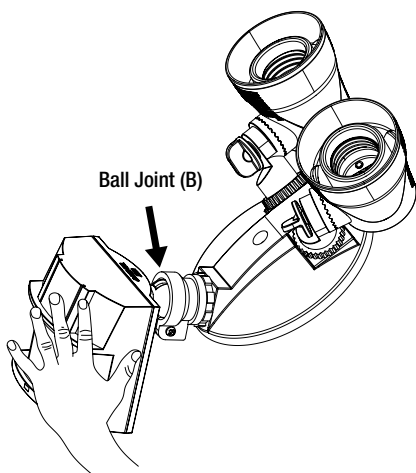
1. Motion sensor pops out of the ball joint (B).



2. Loosen the clamp screw (A).



3. With clamp screw loosen now push the sensor back into the ball joint (B).



4. Once motion sensor is in the ball joint, next tighten the clamp screw (A). Motion sensor is now ready to use.

