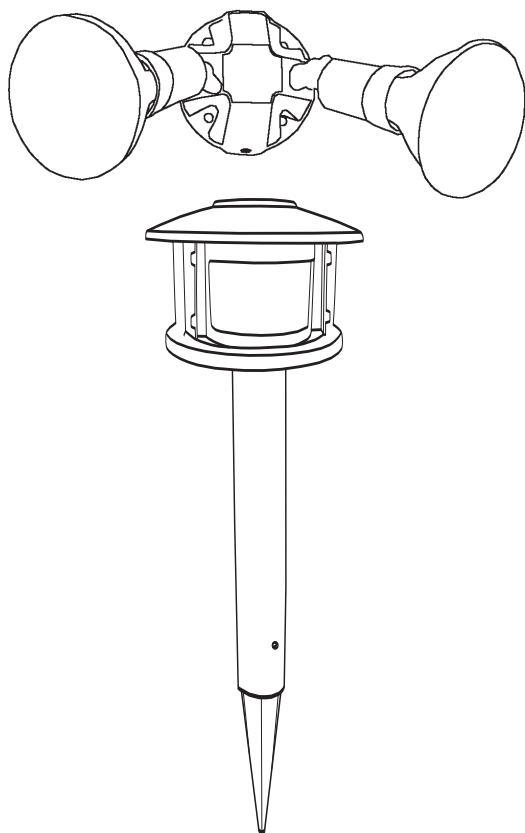


COOPER Lighting

Instruction Manual *Instrucciones* *Directives*



RFM300 (Bronze)
RFM300W (White)

ENGLISH

ESPAÑOL

FRANÇAIS

COOPER Lighting

RFM300 (Bronze)
RFM300W (White)

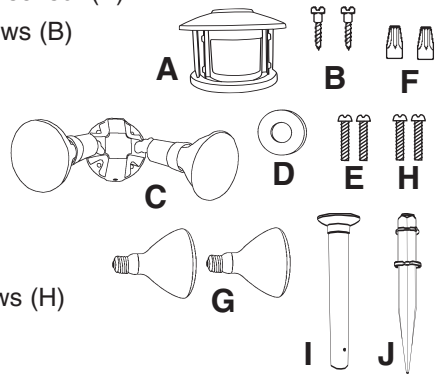
Congratulations. You have just purchased a Cooper Lighting digital wireless communication system. The battery operated landscape motion sensor contains a radio frequency (RF) transmitter. The twin par floodlight contains a RF receiver and can be mounted to a standard junction box. When the sensor detects motion, it automatically sends a signal to the receiver, which turns on the floodlight.

What you need

- Phillips screwdriver
- Electric drill
- 1/8" drill bit
- Outdoor weatherproof silicone caulking
- (4) "AA" alkaline batteries
- Safety Glasses
- Hammer or mallet

What's included

- Battery operated landscape motion sensor (A)
- (2) 6-32 Light fixture mounting screws (B)
- Light fixture (receiver) (C)
- Coverplate gasket (D)
- (2) 8-32 Light fixture mounting screws (E)
- Wire nuts (F)
- (2) Floodlight bulbs (G)
- Stainless steel post mounting screws (H)
- Motion sensor post (I)
- Motion sensor spike (J)



What to know

PLEASE READ THESE IMPORTANT SAFETY INSTRUCTIONS.

- For outdoor use only.
- UL/cUL LISTED for wet locations.
- Landscape motion sensor must be powered by (4) AA Alkaline Batteries (6VDC Rating)
- Floodlight must be connected to a 120Volt, 60Hz power source. Any other connection voids warranty.

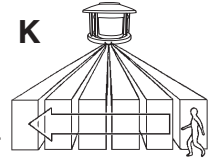
- **WARNING:** Risk of fire/electric shock. This motion activated floodlight system, should be installed by persons with experience in household wiring or by a qualified electrician. The electrical system, and the method of electrically connecting the fixture to it, must be in accordance with the National Electrical Code and local building codes.
- **WARNING:** Risk of fire. If uncertain, consult an electrician.
- Disassembly of your fixture will void the warranty.
- Exercise care in handling the batteries in order not to short the battery with conductive materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
- Observe proper polarity orientation between the batteries and battery compartment.
- Do not mix old and new batteries or batteries of different sizes in this product.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Under Part 15 of the FCC Rules, any changes or modifications to the motion detector described in this instruction sheet that are not expressly approved by Cooper Lighting could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- **NOTE:** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.
- Floodlight is suitable for wall-mount only.

For best results

- Locate motion sensor so motion moves across detection zone (K).
- Locate sensor away from heat producing sources to prevent false triggering. Also, be very careful not to include objects such as windows, white walls and water in the detection zone whenever possible.
- Locate sensor away from moving objects such as street traffic.

**Installing your landscape motion sensor transmitter**

Step 1: Choose a desired location in your yard for landscape motion sensor that has a clear view of driveway, walkway or area where motion is to be detected. The landscape motion sensor will transmit up to 100 feet in most cases, therefore, it must be located within this range from floodlight receiver (a closer distance will achieve more consistent performance).

Step 2: Contact your local Utility Company to be sure that there are no buried utilities in the selected installation site before installing spike. Adjust installation site until a safe location has been found. Do not continue until this step has been completed!

Step 3: Safety glasses must be worn during this installation step. Place pointed end of mounting spike (J) on ground in approved installation location. Using hammer/mallet drive mounting spike into ground making sure that spike is as close to vertical as possible. Do not drive spike in ground any further than first horizontal flange from the pointed end.

Step 4: Slide bottom end of post over top end of spike making sure that vertical ribs on spike slide in between vertical ribs inside of post. Holes on post align with holes in spike (L). Post will stop with bottom of post at the top of largest horizontal rib on spike.

Step 5: Install both post mounting screws through holes in side of post to secure post to spike.

Step 6: Loosen two screws on top flange of post and point arrow towards center of desired detection area. This could require removing the screws and installing them again if slotted holes will not allow arrow to point to center of desired detection area (M).

Step 7: Remove battery cover from driveway sensor head (A) by removing screw from recessed hole in center of back cover. Install (4) "AA" alkaline batteries in battery compartment making sure that batteries are installed in the correct orientation as shown on printed diagram in battery area. Allow 60 seconds after batteries are installed before testing (see How to operate your fixture for correct settings before replacing cover). Replace back cover by aligning groove around perimeter of back cover with rib around perimeter of battery compartment while making sure that recessed screw hole aligns with screw boss. Replace screw in recessed hole in battery cover and tighten to secure cover to sensor housing.



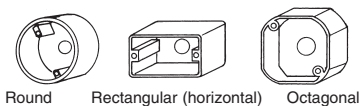
Step 8: Install motion sensor head (A) on driveway sensor post (I) by aligning slots in flange on bottom of sensor head with protrusions on side of post top. **NOTE:** Make sure motion sensor front is in the same orientation as arrow on post flange. Rotate sensor head clockwise until locked in place. Lens of sensor head should be pointing toward desired detection area.

Mounting your light fixture (receiver)

Step 1: WARNING: Risk of electric shock. Disconnect power at fuse or circuit breaker before installing or servicing.

Step 2: This mounting plate has been designed to work with a variety of different junction boxes. Line up the knockout holes in the mounting plate with the screw locations in your junction box. Drill out the matching holes in the mounting plate, using an electric drill and a 1/8" drill bit or knock out the hole with a punch and hammer.

Your fixture mounts to the following standard junction boxes:



Step 3: Take the gasket included with this mounting plate and position it behind the mounting plate. Line up the screws in the mounting plate with the appropriate hole pattern in the gasket and remove gasket material in those holes. When wall mounting, locate arrow on back of mounting plate and mount with arrow pointing up.

Step 4: Connect lampholder wires to supply wires from house (white to white and black to black) using wire nuts included. No ground wire required. Attach any ground wire from your house to the junction box.

Step 5: Attach the mounting plate to your junction box using screws included, making sure that the gasket is properly aligned and that all screws are tightly secured. To prevent moisture from entering the junction box, apply a bead of silicone sealant around the edge of the mounting plate where it attaches to the junction box.

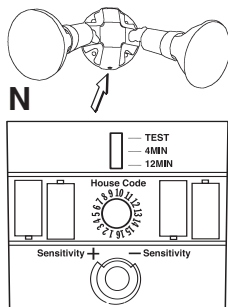
Step 6: Turn power on at the main fuse/breaker box.

Aiming the light

Loosen the knob on the side of the lamp holder. Tilt lamp holder up or down to desired position then retighten knob. Tilt lamp holders at least 15° downward. **NOTE:** Deviation from the assembly instructions may result in a risk or electric shock.

How to operate your fixture

Step 1: Make sure motion sensor and remote light are set to the same house code (fixtures will come from factory already set to the same code). You may reset the house code by turning the dial inside the battery compartment of the driveway sensor head and the bottom of the floodlight to the same number (N). There are 16 different selections



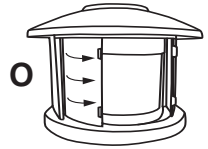
Step 2: Move slide switch inside battery compartment of driveway sensor head to "TEST". Set sensitivity knob to medium (halfway).

Step 3: Turn on power to floodlight receiver.

Step 4: Aim driveway sensor head toward desired detection area.

Step 5: Walk across the detection zone at the farthest distance you wish your detector to detect motion. Adjust sensitivity until you get desired results.

Step 6: Your sensor is equipped with two lens shutters, which will allow you to customize your detection area down to 90 degrees. If the sensor is seeing at too wide of an angle, or if you wish to block certain areas from being detected, you can do so by simply locating the shutters on either side of the lens. Carefully pull the shutter(s) out using the two tabs on the front of the shutter (O). **NOTE:** Be sure to use two fingers and pull the upper and lower tab simultaneously to insure proper and even sliding. Each shutter will extend approximately 1-1/2" to help prevent either side of the sensor from detecting motion.



Step 7: Move slide switch inside battery compartment to 4 MIN or 12 MIN (AUTO mode). At dusk your lights will operate in the AUTO setting.

Step 8: Replace cover after all adjustments are made.

How to select your desired feature

Mode of Operation:	Motion Sensor (Transmitter)	Floodlight (Receiver)
<p>Auto Setting (motion activated)</p> <p>Floodlight will automatically turn ON when motion is detected by the motion sensor, and will remain ON for four or twelve minutes after motion has stopped.</p>	<p>Set slide switch to: 4 MIN or 12 MIN</p>	<p>Make sure power is on to the floodlight.</p>
<p>Manual Override</p> <p>Allows floodlight to be manually turned ON and used as a standard floodlight. Light will stay on for four hours.</p>	<p>Any position</p>	<p>Turn power to the floodlight off for 2 seconds and back to the ON position using indoor wall switch.</p>
<p>Reset Manual Override</p> <p>To resume motion activated mode.</p>		<p>To reset floodlight turn power off for 10 seconds and resume power for motion activated mode.</p>
<p>Test Setting</p> <p>This mode is used for set up of fixture during initial installation. It allows floodlight to turn on both day and night and stay ON for eight seconds.</p>	<p>TEST</p>	<p>Make sure power is on to the floodlight.</p>

OUTDOOR FLOODLIGHT DOES NOT COME ON WITH MOTION AT NIGHT

- Is there power to the floodlight?
- Check to see that the circuit breaker has not been tripped.
 - Be sure the wall switch is in the "ON" position.
 - Be sure that the bulb is not burned out or broken.
- Is the surrounding external ambient light too bright? (If so, the unit may think it's daytime.)
- Relocate or reposition the unit away from the light.
- Do the batteries need replacing in landscape motion sensor?
- TURN OFF POWER BEFORE CONTINUING.**
- Is the wiring to the fixture loose?
- Check wiring and reconnect, if necessary, using Quick-Connect™ or wire nuts provided.

OUTDOOR FLOODLIGHT COMES ON FOR NO APPARENT REASON AT NIGHT

- Is there motion in the detection zone?
- Make sure the sensor is not picking up moving objects such as trees, traffic, etc.
- TEST FOR YOURSELF**
- Cover the sensor lens with cardboard to prevent sensor from detecting motion. If the floodlight stays off, something in the detection zone is triggering the sensor.
 - If this is the case, reduce the sensitivity.
 - * If the light stays on with sensor lens covered, contact customer service.
- Is the unit in the AUTO mode?

FLOODLIGHT STAYS ON AT NIGHT AND DOES NOT TURN OFF

- Is there motion in the detection zone?
- Make sure the sensor is not picking up moving objects such as trees, traffic, etc.
 - If this is the case, reduce the sensitivity.
 - Rotate lens to reposition motion sensor.
- If there is no motion, then the unit may be in the override mode.
- Turn the inside light switch to the "OFF" position for 90 seconds, and then back to the "ON" position. This will send the unit back into the AUTO mode.
 - * If the floodlight continues to stay on, contact customer service.
- Is the unit in the AUTO mode?

FLOODLIGHT CONTINUOUSLY BLINKS ON AND OFF AT NIGHT

- The light given off from a lantern or a light source next to it is affecting the motion sensor.
- Reposition away from light.

FLOODLIGHT IS ON DURING THE DAY

- Is the switch on the floodlight base plate in the test mode?
- Move the switch to the AUTO 4 or AUTO 12 position.
- Is the motion detector shadowed?
- Reposition motion sensor.
 - Reposition floodlight.

CANNOT ACTIVATE DUSK TO DAWN MODE AT NIGHT (OVERRIDE)

- Is the surrounding external ambient light too bright? (If so, the unit may think it's daytime.)
- Relocate or reposition the unit away from the light.
- Are you allowing adequate time to enter the dusk to dawn mode?
- Turn the inside light switch to the "OFF" position for 5 seconds, and then back to the "ON" position.

Two Year Limited Warranty

Cooper Lighting ("the Company") warrants this product ("the product") against defects in material or workmanship for a period of two years from date of original purchase, and agrees to repair or, at the Company's option, replace a defective product without charge for either replacement parts or labor during such time. This does not include labor to remove or install fixtures.

This warranty is extended only to the original purchaser of the product. A purchaser's receipt or other proof of date of original purchase acceptable to the Company is required before warranty performance shall be rendered.

This warranty only covers product failure due to defects in materials or workmanship which occurs in normal use. It does not cover the bulb or failure of the product caused by accident, misuse, abuse, lack of reasonable care, alteration, or faulty installation, subjecting the product to any but the specified electrical service or any other failure not resulting from defects in materials or workmanship. Damage to the product caused by separately purchased, non-Company brand replacement bulbs and corrosion or discoloration of brass components are not covered by this warranty.

There are no express warranties except as described above.

THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL IMPLIED WARRANTIES, IF ANY, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. 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 exclusions or limitations may not apply to you.

No other warranty, written or verbal, is authorized by the Company. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please write to Cooper Lighting, 1121 Highway 74 South, Peachtree City, GA 30269. Enclose product model number and problems you are experiencing, along with your address and telephone number. You will then be contacted with a solution, or a Return Goods Authorization number and full instructions for returning the product. All returned products must be accompanied by a Return Goods Authorization Number issued by the Company and must be returned freight prepaid. **Any product received without a Return Goods Authorization Number from the Company will be refused.**

Cooper Lighting is not responsible for merchandise damaged in transit. Repaired or replaced products shall be subject to the terms of this warranty and are inspected when packed. Evident or concealed damage that is made in transit should be reported at once to the carrier making the delivery and a claim filed with them.



1121 Highway 74 South, Peachtree City, GA 30269 USA
1-800-334-6871
www.cooperlighting.com

Reproductions of this document without prior written approval of Cooper Lighting are strictly prohibited.