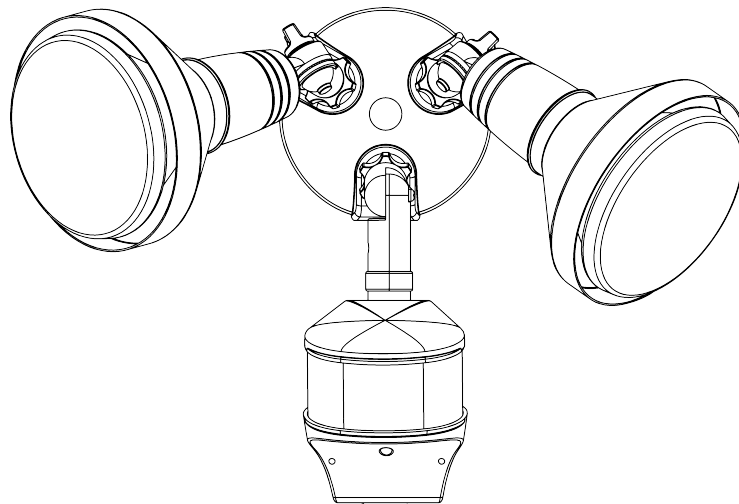


COOPER Lighting

Instruction Manual

Instrucciones

Directives



MS275RD
MS275RDW

ENGLISH

ESPAÑOL

FRANÇAIS

COOPER Lighting

MS275RD (Bronze) MS275RDW (White)

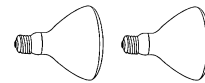
Congratulations. You have just purchased a Cooper Lighting, LLC motion-activated floodlight that combines both Precision Plus Doppler Radar™ and PIR (Passive Infrared) technology. This combination provides the maximum accuracy and protection for your home and family.

How it works

PIR does a good job of detecting lateral motion across the 270° range of detection. Precision Plus Doppler Radar™ does an excellent job detecting motion towards and away from the unit. Both systems combined provide enhanced accuracy and complete coverage within the detection range. Rest assured that motion from any direction will trigger your floodlight—even during hot or cold temperature extremes.

What you need

- Phillips screwdriver
- Outdoor weatherproof silicone caulking
- (2) 150 Watt (MAX) PAR 38 floodlight bulbs (A)

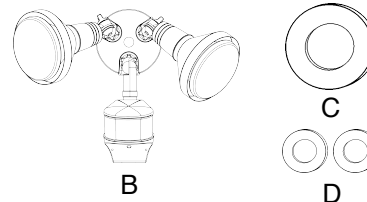


A

Note: This fixture was designed to work with up to 150 Watt maximum PAR flood bulbs. For improved energy efficiency, lower wattage PAR or CFL flood bulbs can be used.

What's included

- Motion detector and light fixture (B)
- Coverplate gasket (C)
- (2) Lampholder gaskets (D)
- (2) #6 and (2) #8 mounting screws (E)
- (3) Wire nuts (F)
- Mounting bracket (G)
- Center bolt (H)
- Color-matched center hole plug (I)
- (2) Light covers (J)



B

C

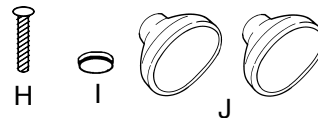
D



E

F

G



H

I

J

What to know

PLEASE READ THESE IMPORTANT SAFETY INSTRUCTIONS

- For outdoor use only.
- cULus LISTED for wet locations.
- Fixture must be connected to a 120 Volt, 60 Hz power source. Any other connection voids warranty.
- Fixture should be mounted to a grounded junction box marked for use in wet locations.
- Suitable for wall mount or eave mount only. NOT suitable for ground mount installation.

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- Keep away from flammable objects. Do not position fixture within one inch of any combustible materials.
- The bulb and fixture get extremely hot during use.
- This twin floodlight should be installed by a qualified electrician or by persons with experience in household wiring. The electrical system, and the method of electrically connecting this fixture to it, must be in accordance with the National Electrical Code and local building codes.
- Always replace bulb with the same wattage or lower wattage than marked. Installing a bulb of a higher wattage could create a fire hazard. Use of a higher wattage bulb will void the warranty.
- Never touch the bulb with your bare hands, as oil from your skin can cause premature failure. Always handle the bulb with gloves or a soft cloth.
- Disassembly of your fixture will void the warranty.
- For supply connections, use wire rated at least 90° C.
- In the event of glass breakage, the entire lens cover must be replaced per UL requirements. Contact Customer Service for ordering assistance.
- 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, LLC could void the user's authority to operate the equipment.



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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.

WARNING: 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.

SAVE THESE INSTRUCTIONS.

For best results

- Install the motion sensor/transmitter 8-12 feet above ground (motion sensor is less sensitive above 12 feet).

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- Locate motion sensor so motion moves laterally or towards the detection zone (Fig. 1).
- 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 trees and street traffic.
- Do not install more than one motion-activated floodlight on one wall switch.

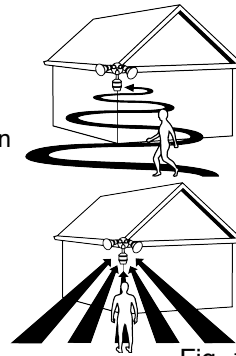


Fig. 1

Mounting your light fixture

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

Note: Junction box must be at least 1-1/2" in depth for proper installation.

Step 2: Line up the holes on the mounting bracket with the holes on your junction box. Using either (2) #6 screws or (2) #8 screws (depending on the size of the holes in you junction box), attach the mounting bracket to your junction box (Fig. 2).

Step 3: Thread fixture wires through coverplate gasket.

Step 4: Connect copper colored ground wire (coming from the fixture coverplate) to the house ground wire using wire nut provided. Connect fixture black wire to house black wire, fixture white wire to house white wire using wire nuts provided.

Step 5: Attach fixture to the mounting bracket using the center bolt provided. Insert plastic color-matched plug in center bolt hole for finished appearance.

Step 6: Apply silicone caulking around edges of coverplate and in any open holes to provide a watertight seal from rain and moisture.

Step 7: Install protective lamp covers onto lampholders by lining up the nipples on the covers, over the lampholder slots. Lock into place by twisting covers counterclockwise (Fig. 3).

Step 8: Insert gaskets into lampholders and screw bulbs into each lampholder (do not over tighten bulbs).

Step 9: Turn power on at main fuse/breaker box.

Note: Fixture can be wall or eave mounted (Fig. 4).

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Your fixture mounts to the following standard junction boxes:

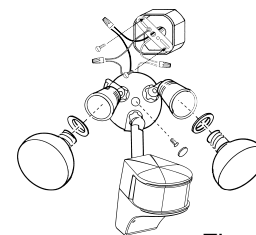
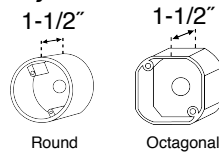


Fig. 2

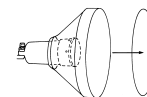
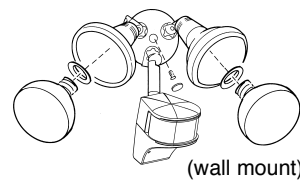
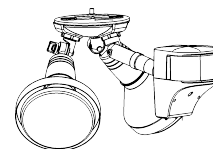


Fig. 3



(wall mount)



(eave mount)

Fig. 4

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.

WARNING: Deviation from the assembly instructions may result in a risk of electric shock.

How to operate your fixture

- Step 1:** Turn the arrow on the MODE knob to the TEST for test mode (Fig. 5).
- Step 2:** Turn the arrow on the SENSITIVITY knob to a middle point between "+" and "-".
- Step 3:** Turn on the power to the fixture. Allow fixture to warm up approximately 90 seconds before testing. (Lights may or may not come on during warm-up period; this is normal.)
- Step 4:** Aim sensor toward the general direction that motion will be coming from. Maintain at least 1" of clearance between sensor head and lamps. Always position the sensor head with control switches facing toward the ground.

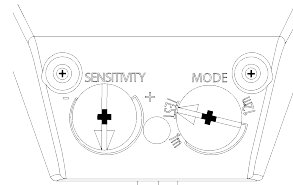
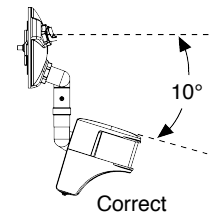


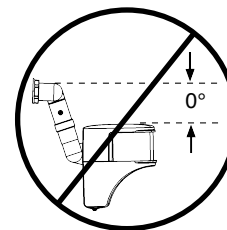
Fig. 5

Note: (Sensor Head Placement) For optimum detection, you may have to experiment with aiming and settings. Each location will be different and your terrain may affect the angle your sensor needs. Adjusting the angle will change your area of detection. Here are some general guidelines to help with setup:

- 8'-12' above the ground is a good range for the placement of your fixture.
- For an 8' mounting height, placing the sensor at a 10° angle below horizontal should work well for most locations (Fig. 6).
- If the fixture is mounted higher, the angle of the sensor below horizontal should increase.
- If the fixture is mounted lower than 8', the angle of the sensor below horizontal should decrease but never be parallel to horizontal.



Correct



Incorrect

- Step 5:** Walk through the detection zone at the farthest distance you want your detector to detect motion.
- Step 6:** Adjust the SENSITIVITY knob until you get desired results. For more range, aim sensor slightly upward. For less range, aim sensor head slightly downward. Lights will turn off 2 seconds after motion stops.
- Step 7:** Adjust the MODE knob to a time selection from 1m-12m, depending on how many minutes you want the fixture to stay on after motion is detected. At dusk, the photo control will activate your fixture to operate according to the settings chosen.

Fig. 6

Note: Decreasing the SENSITIVITY will decrease the distance the unit can detect.

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Selecting your mode of operation

| Mode of Operation: | MODE Knob Adjustment: | How to Set Power Switch: |
|---|--|---|
| <p>Test Setting Light should turn ON with motion both day and night. Lights should turn OFF after 2 seconds.</p> | <p>MODE knob arrow points to TEST</p> | <p>Wall Switch Setting (connected to fixture) Keep wall switch in ON position.</p> |
| <p>Motion-Activated Setting Lights should turn ON with motion only at night and should turn OFF after 1-12 min. of no motion</p> | <p>MODE knob arrow points to a time selection within the 1m-12m time range</p> | <p>Keep wall switch in ON position. Keep the power to the fixture ON.</p> |
| <p>Standard Floodlight Mode (activated only at night) Lights should stay on from dusk to dawn and then reset to motion-activated setting at the next dawn.</p> | <p>MODE knob arrow points to a time selection within the 1m-12m time range</p> | <p>Turn power OFF for 5 seconds and then back ON.</p> |
| <p>Return to Motion-Activated Setting from any of the above settings</p> | <p>MODE knob arrow points to a time selection within the 1m-12m time range</p> | <p>Turn the power OFF for at least 90 seconds and then back ON.</p> |

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What to do if . . .

| | |
|--|--|
| <p>OUTDOOR LIGHTS DO NOT COME ON WITH MOTION AT NIGHT</p> | <p>Is there power to the fixture?</p> <ul style="list-style-type: none"> • 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 bulbs are not burned out or broken. <p>Is the surrounding external ambient light too bright? (If so, the unit may think it's daytime.)</p> <ul style="list-style-type: none"> • Re-aim the head. • Relocate or reposition the unit away from the light. <p>TURN OFF POWER BEFORE CONTINUING.</p> <p>Is the wiring to the fixture loose?</p> <ul style="list-style-type: none"> • Check wiring, and reconnect if necessary using wire nuts provided. |
| <p>OUTDOOR LIGHTS COME ON FOR NO APPARENT REASON AT NIGHT</p> | <p>Is there motion in the detection zone?</p> <ul style="list-style-type: none"> • Make sure the sensor is not picking up moving objects such as trees, traffic, etc. <p>TEST FOR YOURSELF</p> <ul style="list-style-type: none"> • Cover the sensor lens with cardboard to prevent sensor from detecting motion. If the lights stay off, something in the detection zone is triggering the sensor. • If this is the case, reduce the sensitivity. • Reposition motion sensor. *If the lights stay on with sensor lens covered, contact customer service. <p>Is the unit in the motion-activated setting?</p> <ul style="list-style-type: none"> • Make sure MODE knob is set between 1m-12m. |
| <p>LIGHTS STAY ON AT NIGHT AND DO NOT TURN OFF</p> | <p>Is there motion in the detection zone?</p> <ul style="list-style-type: none"> • Make sure the sensor is not picking up moving objects such as trees, traffic, etc. • If this is the case, reduce the sensitivity. • Reposition motion sensor. <p>If there is no motion, then the unit may be in the override mode.</p> <ul style="list-style-type: none"> • Turn the light switch to the OFF position for 90 seconds, and then back to the ON position. This will send the unit back into the motion-activated setting. *If the lights continue to stay on, contact customer service. <p>Is the unit in the AUTO mode?</p> <ul style="list-style-type: none"> • Make sure the unit is set between 1m-12m (AUTO mode). |
| <p>LIGHTS CONTINUOUSLY BLINK ON AND OFF AT NIGHT</p> | <p>The light given off from the unit's own lamp(s) is affecting the motion sensor.</p> <ul style="list-style-type: none"> • Re-aim lamp(s). • Reposition motion sensor. |
| <p>LIGHTS ARE ON DURING THE DAY</p> | <p>Is the switch on the bottom of the motion sensor in the test mode?</p> <ul style="list-style-type: none"> • Reposition MODE knob off of TEST to a time selection (1m-12m). • Move the switch off of TEST. <p>Is the motion detector shadowed?</p> <ul style="list-style-type: none"> • Reposition motion sensor. |

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Two-year limited warranty

Cooper Lighting, LLC (“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, LLC, 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, LLC 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.

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Customer First Center
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www.cooperlighting.com

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