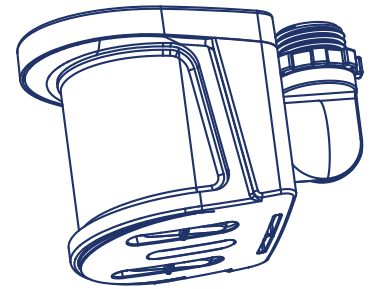


MODELS:
CMS180BZ, CMS180WH

ELECTRICAL RATINGS:

Item	Model	Input Voltage	Power Factor	Watt	Input Current
A	CMS180BZ				
B	CMS180WH				



INTRODUCTIONS

Features

- Turns on lighting when motion is detected
- Automatically turns light off
- Photocell keeps the lighting off during the daylight time

Requirements

- Not for use with fluorescent lights
- The light control requires 120-volts AC.
- If you want to use manual mode, the control must be wired through a switch.
- Install sensor in accordance with local codes.

Operation

Mode	On Time	Works: Day	Works: Night
Test	7-Seconds to 13-Seconds	X	X
Normal	1, 3, 5 Minute		X
Manual	Until Dawn		X

Resets to Auto Mode at dawn

Note: When first turned on wait about 30 seconds for the circuitry to calibrate.

Test: Put Time switch on the sensor bottom to Test.

Auto: Put the on time switch in the 1,3 or 5 minute position.

Manual mode: Manual mode only works at night because the daylight turns the sensor to Auto Flip the light switch off /on/off/on within 3seconds. the light will stay on and then turn off automatically at dawn and reset back to sensor mode for next evening.

Save these instructions for future reference.

WARNINGS

CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.

THE PRODUCT SHOULD BE INSTALLED AND OPERATED BY A QUALIFIED ELECTRICIAN OR TECHNICIAN IN ACCORDANCE WITH RELEVANT LOCAL CODES.

RISK OF ELECTRIC SHOCK. ENSURE THAT MAIN POWER SOURCE IS OFF WHEN WIRING OR SOLDERING THE SECTIONS OF THE PRODUCT.

BEFORE INSTALLING THIS FIXTURE OR DOING ANY MAINTENANCE, MAKE SURE TO TURN OFF THE POWER SUPPLY AT THE CIRCUIT BREAKER OR FUSE BOX.

CHECK TO MAKE SURE THAT ALL FIXTURE CONNECTIONS HAVE BEEN PROPERLY MADE AND THE FIXTURE IS GROUNDED TO AVOID POTENTIAL ELECTRICAL SHOCKS.

DO NOT HANDLE ENERGIZED FIXTURE WHEN HANDS ARE WET, WHEN STANDING ON WET OR DAMP SURFACES, OR IN WATER.

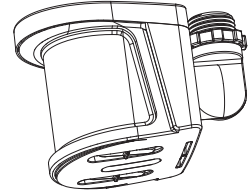
INSTALLATION

Part List

Part	Description	Quantity
A	Sensor Head	1
B	Wire Connectors	3



3 Wire
Connectors



1 Sensor Head

Tools Required for Installation:

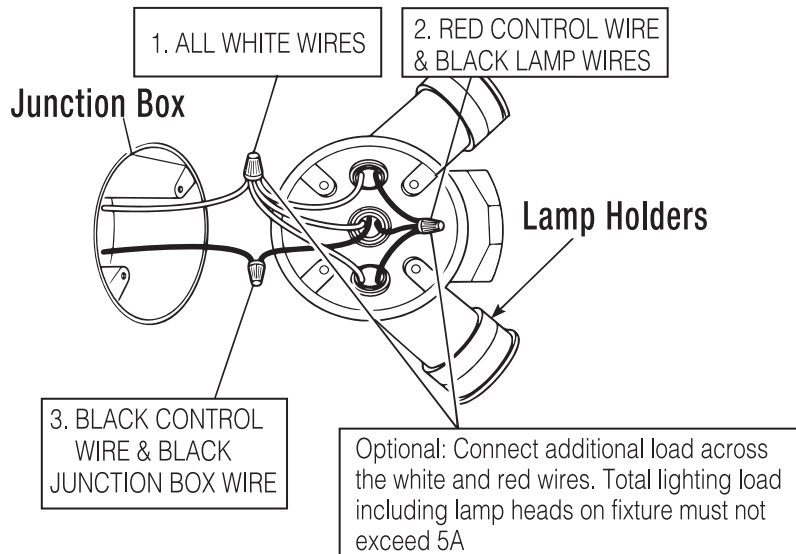
Phillips screwdriver, Level.

These instruction show the sensor wires to flood lamps, the white sensor wire is neutral. The black sensor wire is hot. The red wire is switched "hot" wire. The light load (600W, 5A max, Incandescent, 150W, 5A max, LED lamp or 40W 5A max. CFL lamp).

Wire the light control

WARNING: Turn the power off at circuit breaker or fuse

1. Remove the existing light fixture, if present
2. After screwing the sensor into the wall plate, connect the junction box wires to the light control wires by twisting together and securing with wire connectors.



Mount the light

1. Follow the instructions that came with your light fixture for mounting and adjusting the light fixture.
2. Keep the regular par 38 lamps at least 1"(25mm) from the sensor. Halogen lamps should be kept at least 1"(51mm) from the sensor.

Test and Adjustment.

1. Turn on the circuit breaker and light switch.
NOTE: Sensor has 30seconds warm up period before it will detect motion. When first turned on or when switching modes wait 30 seconds.
2. Turn the range control to the M or H position, on time setting to Test position.
3. Loosen the clamp screw in the sensor ball joint and gently rotate the sensor.
4. Walk through the coverage area noting where you are when the lights turn on. Move the sensor head up,down,or sideways to change the coverage area. Keep the sensor at least 1"(2.5cm) away from the lamps.
5. Adjust the RANGE as needed. Range set too high may increase false triggering.
6. Set the amount of time you want the lights to stay on after motions is detected(1,3,5minutes)

INSTALLATION

Specifications:

Range:	Up to 70ft (21m)
Sensing angle:	Up to 180 degree
Electrical load:	Up to 600 Watts Maximum - Incandescent Up to 150 Watts Maximum - LED lamp Up to 40 Watts Maximum - CFL lamp
Power requirements:	120VAC, 60Hz
Time delay:	1, 3, 5 minutes

COMMISSIONING

After installation, please

- check whether the lighting fixture is firmly fixed.
- check whether wires are connected correctly.

Turn on the power, and check if the lighting fixture works well. If not, please turn off the power and contact your local dealer.

Troubleshooting guide:

SYMPTOM	POSSIBLE CAUSE	SYMPTOM	POSSIBLE CAUSE
Lights will not come on	1. Light switch if turned off 2. Light is loose or burned out. 3. Fuse is blown or circuit breaker is turned off. 4. Daylight turn-off is effect.(Recheck after dark. 5. Incorrect circuit wiring,if this is new installation. 6. Re-aim the sensor to cover desired area.	Lights stay on continuously	1. A lamp is positioned too close to the sensor or pointed at nearby objects that cause heat or trigger the sensor.(Reposition the lamp away from the sensor or nearby objects). 2. Sensor is pointed toward a heat source like an air vent,dryer vent ,or brightly-painted heat-reflective surface.(Reposition sensor) 3. Light control is in manual mode (Switch to Auto).
Lights come on in day light	1. Light control may be installed in a relatively dark location. 2. Light control is in Test (Set control switch to an TIME position.)	Lights flash on and off	1. Heat or light from the lamps may be turning the light control on and off (Reposition the lamps away from the sensor) 2. Heat being reflected from other objects may be affecting the sensor (Reposition the sensor). 3. Light control is in the Test mode and warming up
Lights come on for no apparent reason	1. Light control may be sensing small animals or automobile traffic. (Re-aim sensor) 2. Sensitivity is set too high (Reduce sensitivity)	Light flash once, then stay off in Manual Mode.	Sensor is detecting its own lights (Reposition lamps to keep area below the sensor relatively dark).