

DESCRIPTION:

This product is an energy-saving lighting switch. It is a high sensitivity detector with a wide detection range. It activates on human motion, when a person is detected in the field of view the switch is activated and power will be delivered to your light source. This product can identify day and night automatically. It is easy to install and has multiple applications.

SPECIFICATION:

Power Source: 220V/AC-240V/AC	Detection Range: 360°
Power Frequency: 50~60Hz	Working Temperature: -20~ +40°C
Ambient Light: 10-2000LUX (adjustable)	Working Humidity: <93%RH
Time-Delay: min: 10sec±3sec	Installation Height: 2.2-4m
max: 7min±2min	Power Consumption: 0.9W (working)
Rated Load: 2000W (incandescent lamp)	0.9W (static)
1000W (LED lamp)	Detection Moving Speed: 0.6~1.5m/s
Detection Distance: 8m max(<24°C)	

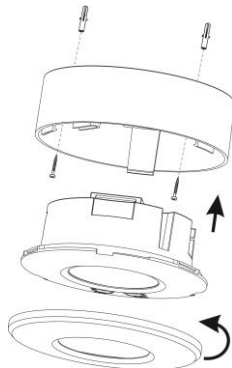
FUNCTION:

- Range: The wide detection range includes up and down, left and right, the detection range can be adjusted by changing the orientation of the sensor. The most effective sensing is movement ACROSS the field of view.
- LUX: By turning the sensor to SUN (+), it will work both day and night, when turning it to MOON (-), it will only work when the ambient light is less than 3LUX.
- Time-delay: Once the sensor is triggered, if the sensor continues to be activated by movement it will add a second time delay e.g. first time on delay is 2min, second activation adds a further 2min so the total time on will be 4min. Time-delay is also adjustable; you can choose the length to which the light stays illuminated, the minimum is 10sec±3sec, the maximum is 7min±2min.

INSTALLATION OPTIONS:

Surface mount (see image to the right):

- Screw off the front light fitting to expose LUX & Time dial
- Fix the base plate to the wall in the position you want the sensor to face.
- Align the sensor to the base plate and click into place
- Choose preferred LUX & TIME settings
- Screw front face back on.



Recessed (see image to the right):

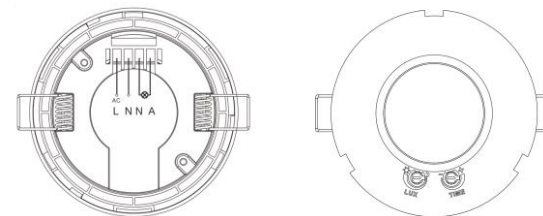
- Remove surface mount casing by lightly squeezing plate to pop clips free.
- Clip the springs to the sides of the light
- Choose preferred LUX & TIME settings
- Point springs towards the cutout and insert into wall/roof cutout.
- Insert until flush and springs will hold sensor in place.

INSTALLATION: (see below the figure)

- Shut off power.
- Loosen the base, open the wiring cavity, feed the mains supply through the base.
- Fix the base with inflated screw to the wall.
- Connect the power and load wire into connection-wire column according to the connecting figure.
- Fold the metal spring of the sensor, until they are in "step 3" position with sensor, then put the sensor into the hole or installation box in the ceiling. the size is similar with item. Release the spring and the sensor will firmly be in position.
- Turn the power on and test your sensor.

CONNECTION-WIRE DIAGRAM:

(See the figure)



TESTING YOUR SENSOR:

- When testing daylight, set the TIME dial to show the "-" symbol and the LUX dial to show the sun symbol. After 30 seconds the sensor should respond to presence and turn on and then off after the set 10 seconds.
- To set the sensor for the nighttime during the day turn the LUX dial towards the moon symbol and cover the sensor face to simulate darkness.
- To override Sensor Function, quickly switch the power off/on off/on twice at the wall switch (less than 3 seconds). Your light should now be on MANUAL MODE and stay on permanently.
- To change back to AUTO MODE, turn the power OFF and wait for 10 seconds, then turn it back ON again. Please note that at this time the light will turn ON for 10-20 seconds and turn OFF again – at this point it will return to AUTO/SENSOR MODE.

Note: when testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor will not work!



NOTE:

- This product should be installed by a licensed electrician.
- Install the object on a solid vertical or horizontal surface.
- Install at least 0.5m away from moving objects, reflective surfaces or other light sources.
- Avoid installing near air temperature zones such as air condition units, central heating, etc.
- If the unit is damaged in any way consult a licensed electrician.

COMMON QUESTIONS:

- The light does not work:
 - a. Ensure the unit has been wired correctly.
 - b. Ensure there is a power supply.
 - c. Check the ambient light setting.
- The sensitivity is poor:
 - a. Ensure there are no obstacles near the sensor.
 - b. Check if the ambient temperature is too high.
 - c. Check the installation height corresponds to the height shown in the instructions.
 - e. Check the sensor orientation.
- The light will not turn off:
 - a. Check if there are obstacles in the detection field.
 - b. Check the time delay setting.
 - c. Ensure the unit is wired correctly.
 - d. Ensure there are no external influences like air conditioning units etc.

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AMBIUS

ASECPIR Infrared motion sensor 1Xdetector



(This surface motion sensor is built for both Surface and Recessed mount)

Manual