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:

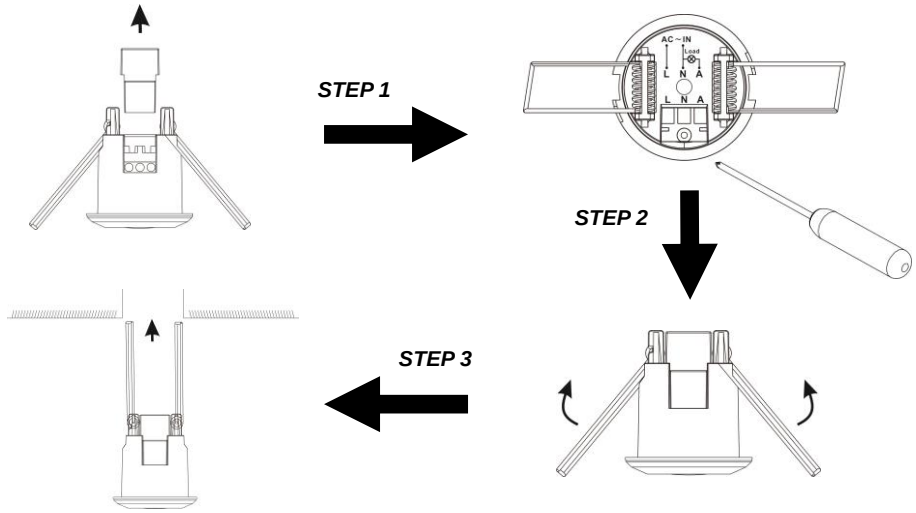
Power Source: 220V/AC-240V/AC
Power Frequency: 50/60Hz
Ambient Light: 10-2000LUX (adjustable)
Time-Delay: min: 10sec±3sec
max: 7min±2min
Rated Load: 800W (incandescent lamp)
400W (LED lamp)
Detection Distance: 6m max(<24℃)
Detection Range: 360º
Working Temperature: -20~ +40℃
Working Humidity: <93%RH
Installation Height: 2.2-4m
Power Consumption: 0.9W (working)
0.9W (static)
Detection Moving Speed: 0.6~1.5m/s
Cut out: 40mm

FUNCTION:

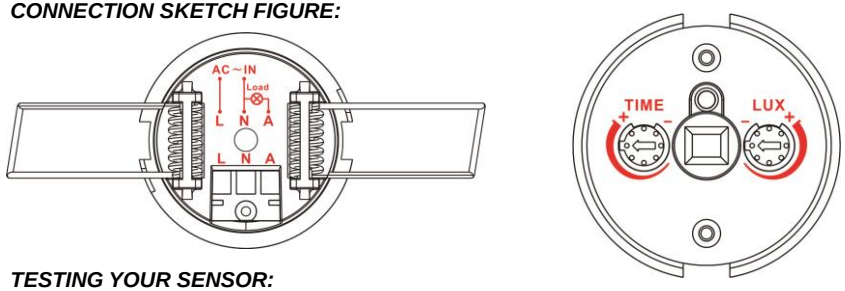
- Range: The wide detection range includes up and down, left and right, the detection range can be adjusted by changing the orientation of the sensor. The most effective sensing is movement ACROSS the field of view.
- LUX: By turning the sensor to SUN (+), it will work both day and night, when turning 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 15min±3min.

INSTALLATION: (as following drawing):

- Shut off power.
- Loosen the plastic wire cover to open the wiring cavity, feed the mains supply through the base to the corresponding inputs (see connection sketch figure).
- 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 cutout in the wall/ceiling
- Release the spring and the sensor will firmly be in position.
- Turn the power on and test your sensor.



CONNECTION SKETCH 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 on/off on/off twice at the wall switch (less than 6 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 twice within 50 seconds of warming up – at this point it will return to AUTO 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

ASECPIRMINI
Infrared Mini Sensor

Manual