AUTRONX®
NEW HAMPSHIRE,USA

MICROWAVE MOTION SENSOR

Model: AU-X765

Celling: 12m | IP65 | 180° Sensing area | Energy saving | 3-2000 LUX

INTRODUCTION

The product is a new energy saving switch; it adopts microwave sensor with high- frequency electro-magnetic wave (5.8GHz) and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. The wide\detection field depends on detectors. When one enters the detection field, it can start the load at once and identify automatically day and night. Its installation is very convenient and its using is very wide. Detection is possible to go through doors, panes of glass or thin walls. This is an ultra-reliable sensor, especially as there are no gaps in the detection zone.

TECHNICAL SPECIFICATIONS

Model	**: AU-X765**
Power Source	: 220-240V/AC || 50Hz
HF System	: 5.8Ghz CW Radar, ISM Band
Transmission Power	: <0.2mW
Time Delay	: Min. 10Sec ±3Sec, Max. 12Min ±1Min
Rated Load	: 1200W (Incandescent), 300W (LED Load)
Detection Range	: 180°
Detection Distance	: 5-12m (radius), adjustable.
Ambient Light	: <3-2000LUX
Installation Height	: 1.5-3.5m
Power Consumption	: Approx. 0.9W
No. of Wires	: 3 Wires
Detection Motion Speed	: 0.6-1.5m/s

FUNCTIONAL MODES

Can identify day and night

- It can work during the daytime and the night when adjusted to the “sun” position (max). It can work in less than 3 LUX ambient light when adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern

Adjustable sensitivity

- This sensor can be easily adjusted depending on the location. The detection distance of low sensitivity could be only 1m, and high sensitivity could be 8m which fits for a larger room.

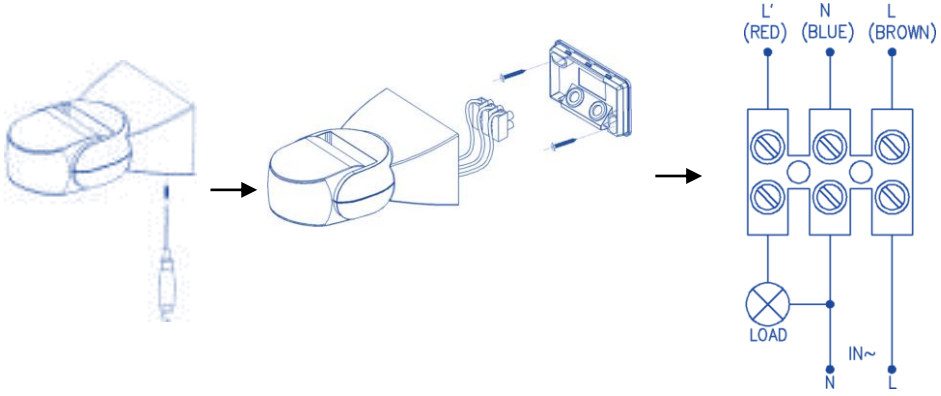
Adjustable time delay

- The time delay can be set according to the customer’s desire. The minimum time is 10sec ± 3sec, and the maximum is 12min ± 1min.

INSTALLATION INSTRUCTIONS

- Loosen the screw on the bottom and unload the bottom.
- Pass the power wire through the hole with gasket in the bottom. Connect the power wire intoconnection-wire column according to the connection-wire diagram.
- Fix the bottom with inflated screw on the selected position.
- Install back the sensor on the bottom, tighten the screw and then test it.

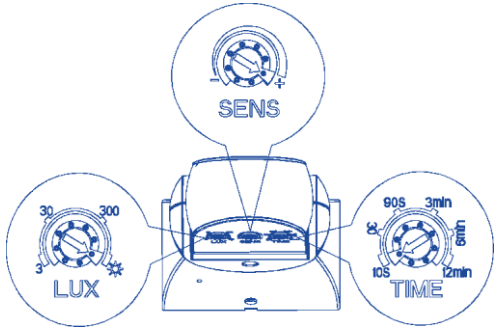
CONNECTION – WIRING DIAGRAM



Note: *When testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor could not work.*

TEST

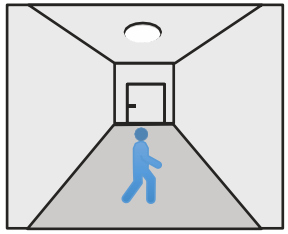
- Turn the LUX knob clockwise on the maximum (sun). Turn the SENS knob clockwise on maximum (+). Turn the TIME knob anti-clockwise on the minimum (10s).
- When you switch on the power, the light will be on at once. And 10sec±3sec later the light will be off automatically.
- Then if the sensor receives induction signal again, it can work normally.
- When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
- Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is less than 3LUX (darkness), the inductor load could work when it receives induction signal.



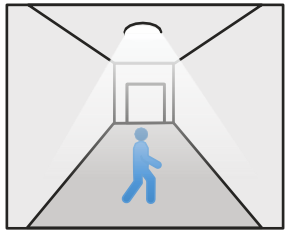
LUX FUNCTION CHECK

Daylight Function

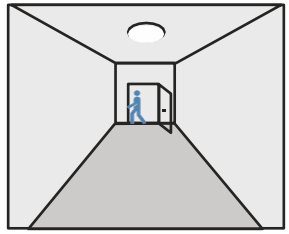
The hold time is set to 30 seconds, and LUX is set to 300. The light switches on when it detects movement, and it switches off after 30 seconds of no movement.



With sufficient daylight, (>300Lux)even when motion detected, light remains off.



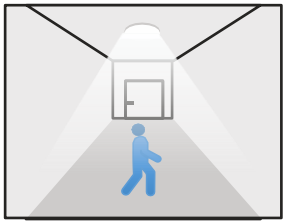
With insouciant daylight, (<300Lux) when motion detected, light ON



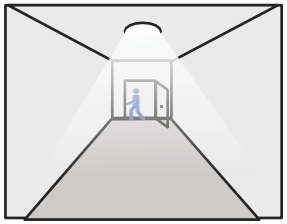
After the last detection and the present hold time (30sec.)elapsed. Light OFF.

No Daylight Function

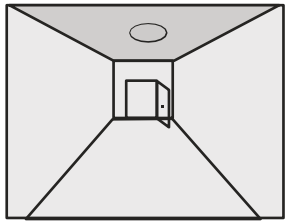
The daylight threshold is set to or 2000 Disable Light on when detect movement, after people leave, Light off after hold time elapsed (30 Sec.) Applications: Dim places such as Basement Parking, Underpass.



When motion is detected, the sensor will switch on the light to 100% brightness



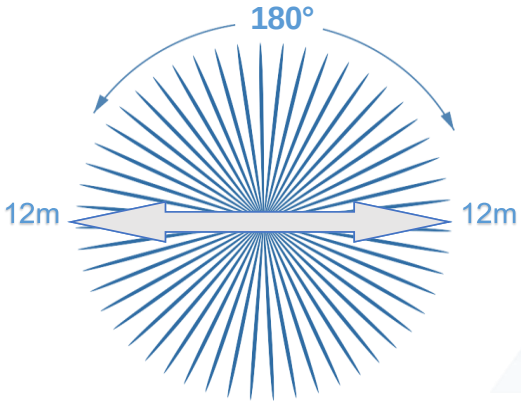
After people leave the detection Area, light remains 100% brightness within hold time.

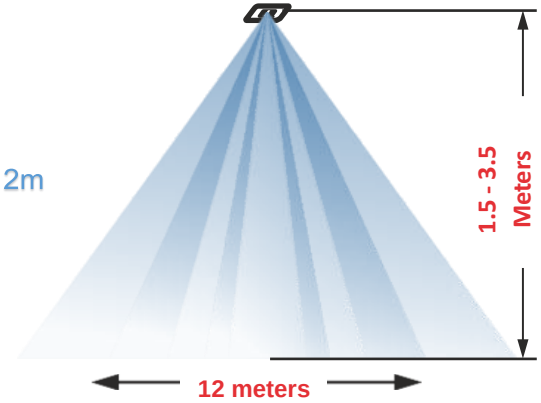


After the last detection andthe present hold time (30 sec.) Elapsed, light OFF.

SAFETY INSTRUCTIONS

- Electrician or experienced human can install it.
- Cannot be installed on the installation. Uneven and shaky surface.
- In front of the sensor there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch after.





APPLICATIONS

Stairs

Store Room

Hotels

Hospital

Parking

TROUBLESHOOTING

Malfunction	Cause	Remedy
The load will not work	Wrong light control is selected Faulty load faulty main switch is switched OFF	Adjust the setting Change load Turn the switch ON
The load is always on	There is a continuous movement in the detection zone	Check the zone setting
The load is ON without any identifiable movement	The sensor is not mounted for detecting the movement reliably The movement has occurred behind a nearby thin wall or glass.	Securely mount the enclosure Check zone setting
The load will not work despite the movement	Rapid movements are being suppressed to minimize the malfunctioning The "SENS" knob may not be fully clockwise.	Turn the "SENS" knob fully clockwise.