



BREATHING SENSOR

Model: AU-XBR753



Celling: 3m



IP54



Sensing
area



Energy
saving



3-2000 LUX

INTRODUCTION

Welcome to use AU-XBR753 Microwave Real Presence Sensor!

The product adopts microwave sensor mould with high-frequency electromagnetic wave (24GHz) and integrated circuit. It detects human breath, as long as people are present, the lights will remain on. When people leave, the lights will go out. It gathers automatism, convenience, safety, saving-energy and practical functions.

TECHNICAL SPECIFICATIONS

Model	: AU-XBR753
Power Source	: 110-240V/AC 50/60Hz
HF System	: 24Ghz CW Radar, ISM Band
Transmission Power	: <10mW
Time Delay	: Min. 10Sec ±3Sec, Max. 12Min ±1Min
Rated Load	: 1200W (Incandescent), 600W (LED Load)
Detection Range	: 360°
Detection Distance	: Ceiling: 3m (radius)
Ambient Light	: <3-2000LUX
Installation Height	: Ceiling: 2-4m
Power Consumption	: Approx. 0.9W
No. of Wires	: 3 Wires

FUNCTIONAL MODES

Can identify day and night

- Can identify day and night: It can work in the daytime and at night when it is adjusted on the “sun” position (max). It can work in the ambient light less than 3LUX when it is adjusted on the “3” position (min). It detects human breathing and keeps lamp on continuously, when you stand in the place less than 3m to the sensor.

Adjustable sensitivity

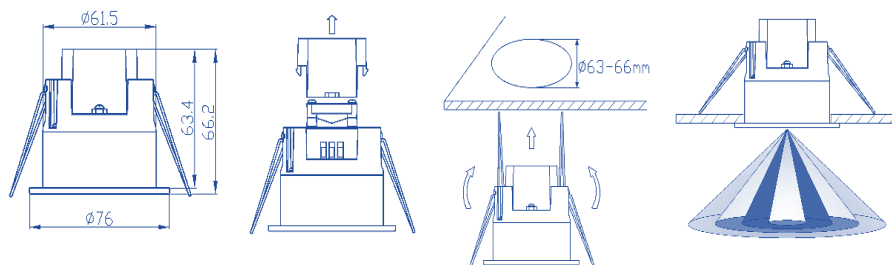
- When you walk to the place 3-4.5m to the sensor, it detects human motion and turn on the lamp and then turn off after the settled time if there is no movement during the lighting time.

Adjustable time delay

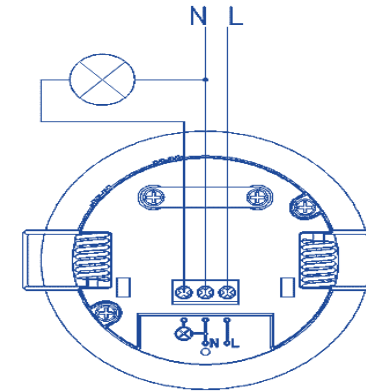
- When it receives the second induction signals within the first induction, it will restart to time from the moment. Time-Delay is adjustable. It can be set according to the consumer's desire. The minimum time is 10sec±3sec. The maximum is 12min±1min.

INSTALLATION INSTRUCTIONS

- Switch off the power and unload the transparent cover.
- Connect the power to connection terminal of sensor according to connection-wire diagram.
- Install back the transparent cover into the original location.
- Fold the metal spring of the sensor upwards and then put the sensor into the suitable hole or installation box. Releasing the spring, the sensor will be set in this installation position.



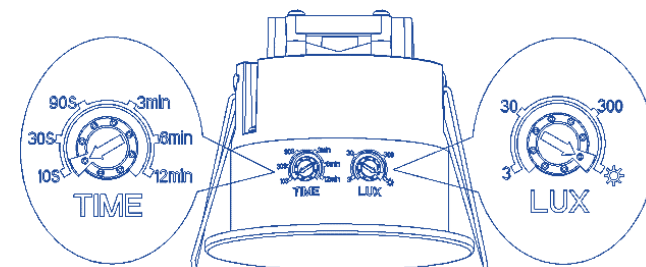
CONNECTION – WIRING DIAGRAM



TEST

- Turn the LUX knob clockwise on the maximum (sun). 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 you walk to the place less than 3m to the sensor, it detects human breathing and keeps lamp on. When you walk to the place more than 3m and then the lamp will be off after the settled time if there is no another movement.
- When you walk to the place 3-4.5m to the sensor, it detects human motion and turn on the lamp as the settled time.

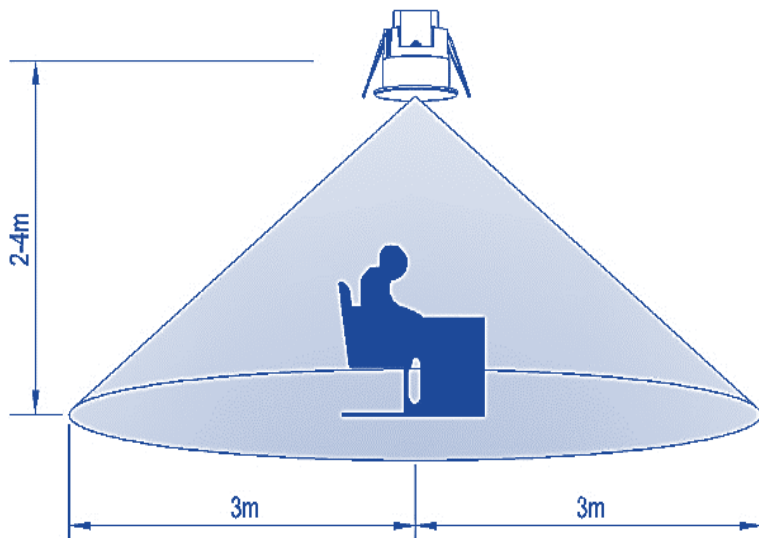
Note: When testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor could not work!



SAFETY INSTRUCTIONS

- Electrician or experienced human can install it.
- Cannot be installed on the 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 installation.

DETECTION PATTEN



APPLICATIONS



Class Rooms



Conference



Yoga Center



Office



Kitchen

TROUBLESHOOTING

Malfunction	Solution
The load will not work	Check the power and the load.
	Whether the indicator light is turned on after sensing? If yes, please check load.
	If the indicator light does not turn on after sensing, please check if the working light corresponds to the ambient light.
The sensitivity is poor	Please check if the working voltage corresponds to the power source.
	Please check the ambient temperature.
	Please check if the signals source is in the detection fields.
The sensor can't shut automatically the load	Please check the installation height.
	If there are continual signals in the detection fields.
	If the time delay is set to the longest.
	If the power corresponds to the instruction.