TUPEx electric

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TUPEX US PiR SENS

The product adopts good sensitivity detector, integrated circuit. It gathers automatism, convenience, safety, saving-energy and practicality functions. It utilizes the infrared energy from human as control-signal and it can start the load st once when on enters detetction field. It can identify day and night automatically. It is easy to install and used widely.
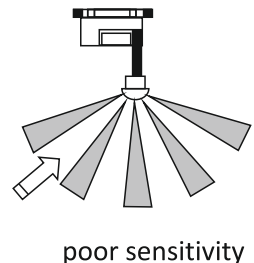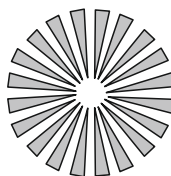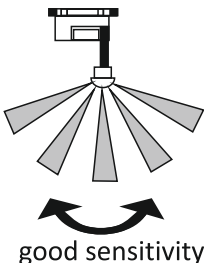
■ SPECIFICATION:

Power Source:	220 -240V/AC
Power Frequency:	50/60Hz
Ambient Light:	10LUX/2000LUX (choice)
Time-Delay:	5s, 30s, 1min, 3min
	5min, 8, min (choice)
Rated Load:	Max 800W ☼
	200W
Detection moving speed:	0,6-1.5m/s
Detection Range:	120°/360°
Detection distance:	3m/6m (choice) (<24°C)
Working Temperature:	-20°C ~ +40°C
Working Humidity:	<93%RH
Installation Height:	1.8-2.5m (wall mounting)
	2.2-4m (ceiling mounting)
Power Consumption:	approx 0.5W

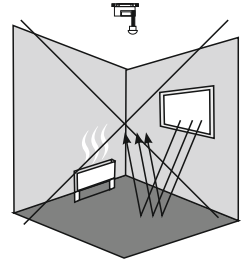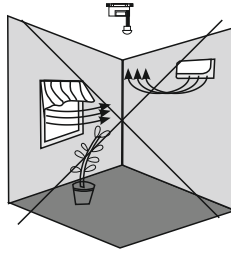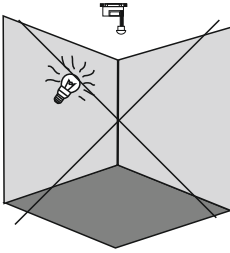| Width (mm)	Height (mm)	Diameter (mm)
34	24.6	-

■ FUNCTION:

● Can identify day and night automatically: when turn to SUN (below is SUN), it will work day and night, when turn it to MOON (above is monn), it will only work in the ambient light less than 10LUX. As for adjustment, pleaser refer to testing way.
● SENS ajustable: It can be adjusted according to using location. The detection distance of low sensitivity could be only 3 m and high sensitivity could be 6 m which fits for large room.
● Time-Delay is added continually: When it receives the second onduction signals within the first induction, it will restart to time from the moment
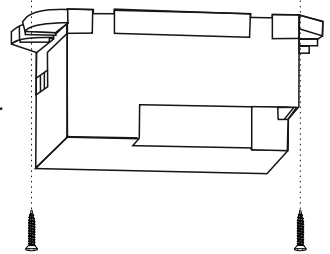
good sensitivity   poor sensitivity

■ INSTALLATION ADVICE:
As the detector responds to changes in temperature, avoid the following situations:

● Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.

● Avoid mounting the detector near sources, such as heating vents, air conditioning units, light etc.

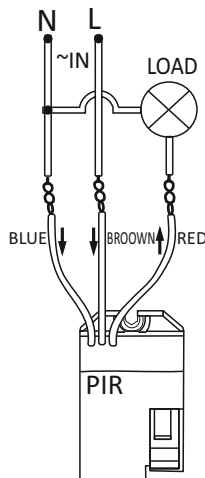● Avoid pointing the detector towers objects that may move in the wind, such as curtains, tall plants etc.

● Connect the power and the load according to the connection-wire diagram
● Fix the bottom on the selected position with the inflated screw.
● Switch on the power and test it.
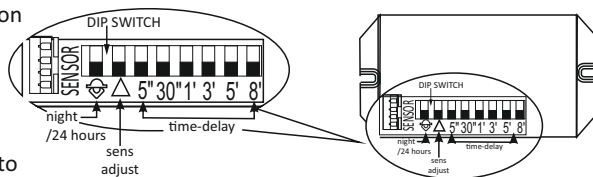
■ CONNECTION-WIRE DIAGRAM:
(See the right figure)

N   L

~IN

LOAD

BLUE   BROOWN   RED

PIR

■ TEST

● Slide the LUX switch ⍓ to SUN position (below is SUN).

Slide the SENS switch to maximum △ (below is the maximum).

Adjust the TIME switch, slide 5" switch to ON position (slide upwards).

Switch on the power, the sensor and connected lamp will have no signal at the beginning. After Warm-up 30 sec, the sensor can start work. If the sensor receives the indication signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 5sec and the lamp would turn off.

Slide the LUX knob above on the minimum (moon). If the ambient light is more than 10LUX, the sensor would not work and lamp stop working too. If the ambient light is less then 3LUX (darkness), the sensor would work. Under no induction signal coundition, the sensor should stop working within 5sec.

NOTE: when testing in daylight, please turn LUX knob to ☼ (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

■ SOME PROBLEM AND SOLVED WAY:

● The load don't work:
- Please check if the connection of power source and load is correct.
- Please check if the load is good.
- Please check if the settings of working light correspond to ambient light.
● The sensitivity is poor:
- Please check if there is any hindrance in front of the detector to affect in to receive the signals.
- Please check if the ambient temperature is too high.
- Please check if the indication signals source is in the detection field.
- Please check the installation height corresponds to the height required in the instruction.
- Please check if the moving orientation is correct.
● The sensor can't shut of the load automatically:
- If there are continual signals in the detection fields.
- If the time delay is set to the maximum position.
- If the power corresponds to the instruction.

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