

# THORGEON

SENSORS

## REMOTE CONTROLLED PRESENCE SENSOR

02030



Manufactured in PRC



LED  
POWER  
2000W

360°

20m

TIME

LUX

INDOOR  
OUTDOOR

IP65



# THORGEON



[www.thorgeon.com](http://www.thorgeon.com)

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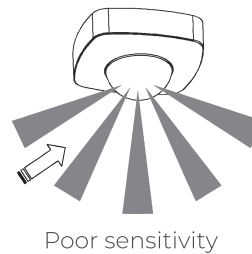
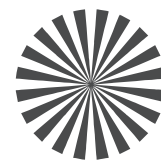
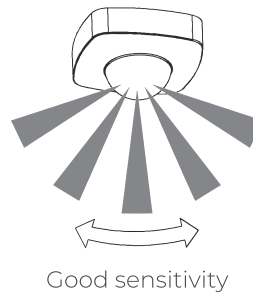
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Developed in Latvia

**Welcome to use 02030 THORGEON REMOTE CONTROLLED PRESENCE SENSOR!** This product adopts a good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving energy and practical functions. This sensor utilizes the infrared energy from humans as a control-signal source so it can start the load. It can identify day and night automatically. It is easy to install.

### SPECIFICATION:

Power Source:	220-240V/AC
Power Frequency:	50Hz
Daylight sensor:	<3-2000lx (adjustable)
Hold Time:	Min.10sec±3sec Max.30min±2min
Rated Load:	Max.2000W  1000W 
Installation Height:	2.2-6m
Detection angle:	360°
Detection Range:	50%, 75%, 100% (choice)
Detection Distance:	20m max (<24°C)
Working Temperature:	-20~+40°C
Working Humidity:	<93%RH
Detection Moving Speed:	0.6-1.5m/s
Consumption: approx.	0.5W



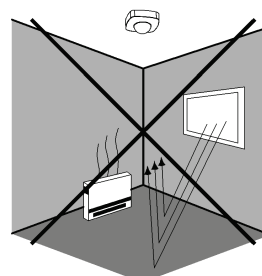
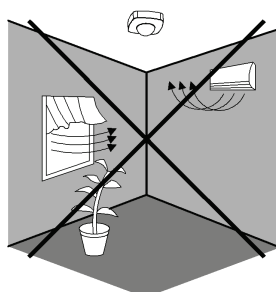
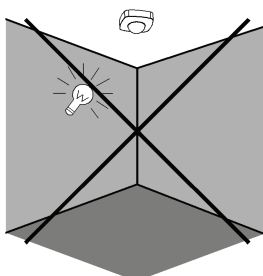
### FUNCTION:

- Can identify day and night: The consumer can adjust the working state in different ambient light. It can work in the daytime and at night when it is adjusted to "2000lx". It can work in the ambient light less than 3lx when it is adjusted to "3lx".
- Detection range is adjustable: it offers 3 levels (50%, 75%, 100%). The maximum detection range is 20m.
- Hold time is added continually: When it receives the second induction signal within the first induction, it will restart time.

### INSTALLATION ADVICE:

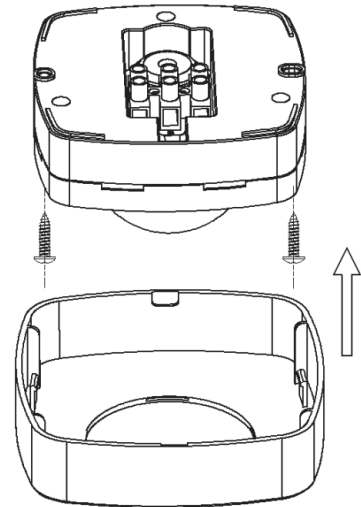
As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc



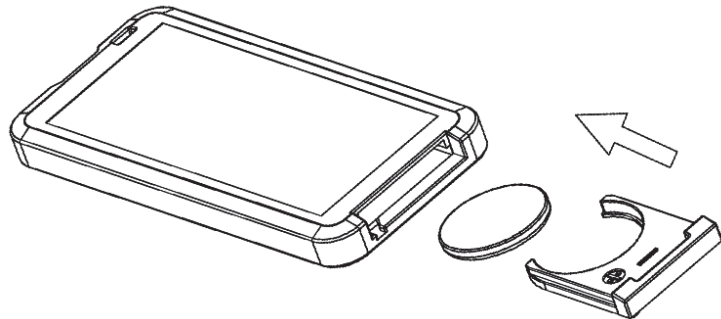
### CONNECTION:

- Unload the cover directly.
- Connect the power and the load into the connection-wire column of the sensor according to connection-wire diagram.
- Fix the sensor on the selected position with the inflated screw as the figure on the right.
- Install back the cover and then you can test it..

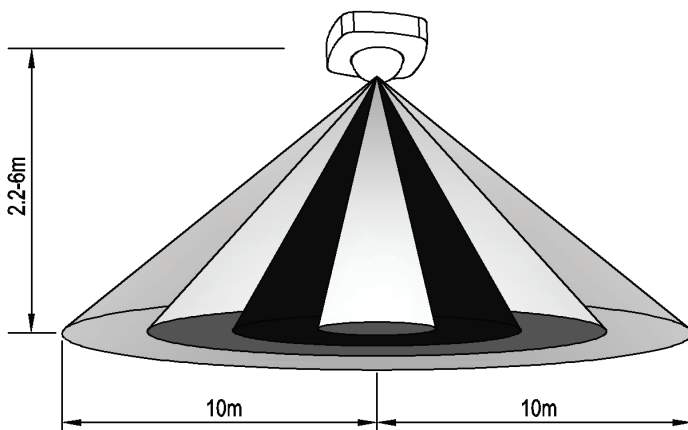


### REMOTE BATTERY REPLACEMENT

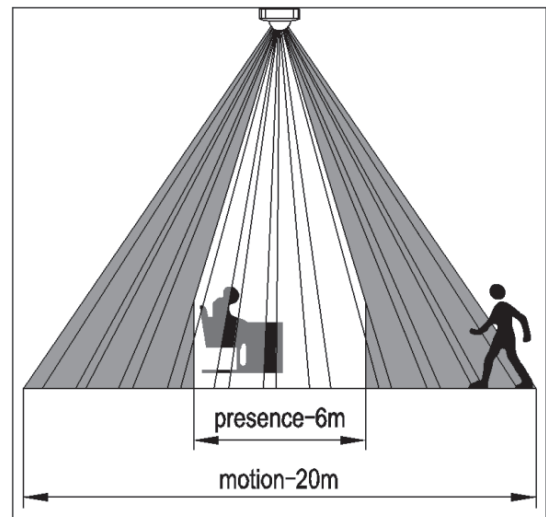
- Pull out the battery holder.
- Put in a new battery (3V)



### SENSOR INFORMATION:



Height of installation: 2,2-6m



Detection Distance: Max.20m

### IR REMOTE CONTROLLER:

This sensor requires a remote control for setting all parameters. Sensors factory mode is 30min, 2000lx.

When switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up time (~15 sec), the sensor can start working.



Load switching ON  
(After 8hours, return to AUTO mode)



Load switching OFF  
(After 8hours, return to AUTO mode)



Set load work depending on motion



Sensor works according to knob setting



Automatically read-in the actual ambient light level  
and the sensor works according  
to this LUX value stored, range 3-2000LUX



Lock & unlock remote controller buttons



Test mode



Adjust detection range



Adjust LUX value from 10-2000LUX



Set delay off time of load

### SOME PROBLEMS AND SOLVATIONS:

#### The load does not work:

- Check if the connection of power source and load is correct.
- Check if the load is good.
- Check if the settings of the working light correspond to ambient light.

#### The sensitivity is poor:

- Check if there is any hindrance in front of the detector to affect it to receive the signals.
- Check if the ambient temperature is too high.
- Check if the induction signal source is in the detection field.
- Check if the installation height corresponds to the height required in the instruction.
- Check if the moving orientation is correct.

#### The sensor cannot shut off the load automatically:

- Check if there is continual signal in the detection field.
- Check if the time delay is set to the maximum position.
- Check if the power corresponds to the instruction.