

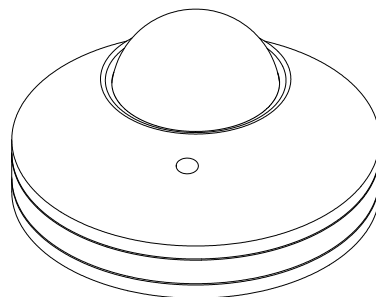
LX20B

Infrared Motion Sensor



LX20 infrared automatic switch

The product is a new energy-saving switch. It adopts integrated circuit and the good sensitivity detector. It incorporates all the features of automatism, convenience, energy-saving, safety and practicality. It works by receiving human motion infrared rays. It can start the controlled load at once when one enters detection field. It can identify day and night automatically. It has the functions of power indication and detection indication. The installation is very convenient and using range is wide.



SPECIFICATIONS:

Power source: 100V/AC~130V/AC
220V/AC~240V/AC
110V/AC~240V/AC

Power frequency: 50~60Hz

Light-control: <10LUX

Time-delay: Min 5sec
Max 6min± 1min

Rated load: 800W (110V/AC)
1200W(220V/AC)

Detection distance: 6m max (24)

Detection range: 120° (side view)
360° (top view)

Working temperature: -20 ~+40

Working humidity: <93%RH

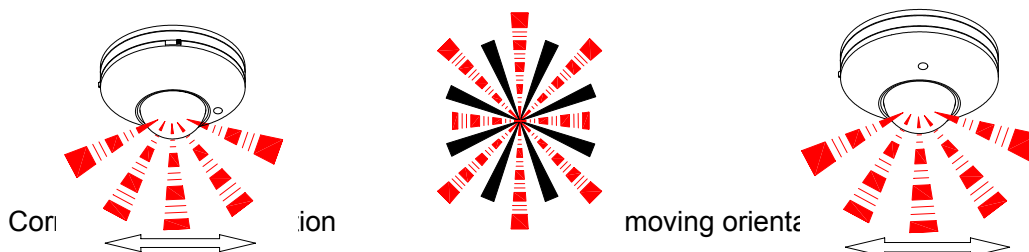
Installation height: 2m ~4m

Power consumption: 0.5W (static 0.1W)

Detection speed: 0.6 ~1.5m/s

FUNCTIONS:

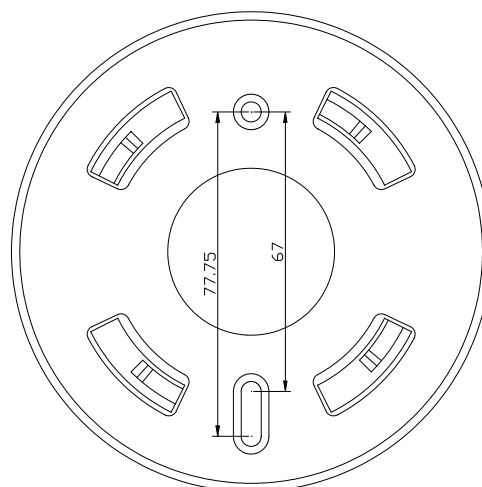
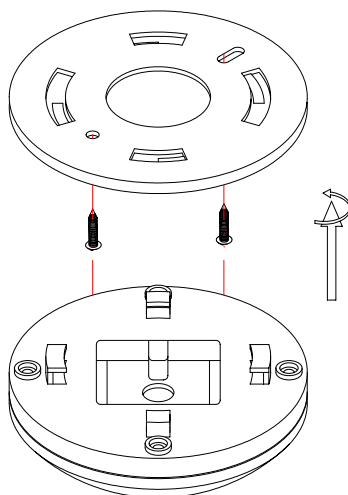
- Can identify day and night automatically: The ambient light can be adjusted freely according to consumer's desire when LX20 works. It can work in the daytime and at night when you turn the switch to the "TEST" position. It can work only in the less than 10LUX ambient-light when you turn it to the "2", "3", "4" position. As for the adjustment pattern, please refer to the testing pattern.
- Power and detection indication: The indicator lamp is green when you switch on the power and it is red when sensor receives the induction signals. So it can show if the power and detection are normal.
- Time-delay is adjustable: Time-delay can be set freely according to consumer's desire. Turn the switch clockwise. The "1" position (the minimum time) is about 5sec. "2" position is about 30sec, "3" position is 2min± 30sec, "4" position is 6min± 1min.



INSTALLATION: (see the following figures)

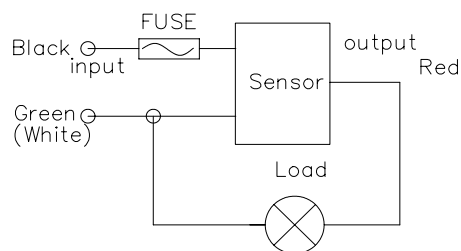
- Switch off the power.
- Turn clockwise the underpan and take off it. The power wire crosses the hole in the middle of underpan.
- The underpan is fixed on the selected position with inflated screw.
- Connect the power and the load into the connection wire column of the sensor

- according to connection wire diagram.
- The sensor aims at the mouth of bottom-stand and turns counterclockwise.



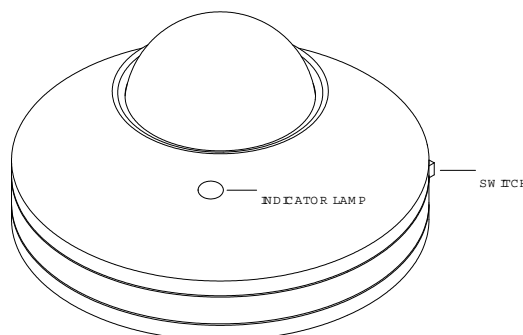
CONNECTION-WIRE DIAGRAM

(see the right figure)



TEST:

- Turn the switch to the "1" position.
- After switching on the power, the controlled load should not be working and the indicator lamp is green. After 5~10sec, the load will work and the indicator lamp is red. Under the no inductor condition, the load should stop working within 5~30sec. The indicator lamp is still green.
- After the first is out, make it detect again. After 5~10sec, the load will work and the indicator lamp is red. The load will stop working within 5~15sec.
- Turn the switch to the "2" position. The inductor load will not work in the ambient light more than 10 lux. If you cover the detection window with the opaque objects (towel etc), the load will work again. Under the no inductor signal condition, the load will stop working within



25~35sec.

SAFETY ADVICE

- Should be installed by electrician or skilled person.
- Avoid installing it near air temperature alteration zones, e.g., air-conditioning, central heating, etc.
- Unrest objects cannot be regarded as the installation basis-face.
- In front of the detection window there should not be any hindrance or unrest object affecting detection.
- Do not open the cover when you find the hitch after installation.
- If there are differences between instructions and the product, please refer to the product.

TROUBLE SHOOTING

- When the load is not working
 - a Check the power and the load
 - b If the load is good
 - c If the indicator lamp is green;
 - d If the working light corresponds to the ambient light
- When sensitivity is poor
 - a Check if in front of the detection window there is some hindrance affecting the receipt of signals;
 - b Check the ambient temperature;
 - c Check if the signal source is in the detection field;
 - d Check the installation height;
 - e Check if the moving orientation is correct.
- When sensor cannot shut the load automatically:
 - a Check if there are continual signals in the detection fields;
 - b Check if the time delay is set to the longest;
 - c Check if the power corresponds to the instruction;
 - d Check if there is air temperature change near the sensor, e.g., due to air conditioning or central heating, etc.