e19

detector 360º parede/tecto



Instruções

Parabéns pela compra do novo detector e19!

O e19 é um detector de movimento de 360º, que utiliza um sensor passivo de infravermelhos para detetar variações de temperatura emitida por pessoas ou objetos que atravessem a sua área deteção. Tem um sensor incorporado que lhe permite detetar automaticamente a luminosidade. É fácil de instalar e amplamente utilizado.

ESPECIFICAÇÃO:

Alimentação: 220-240V/AC

Frequência: 50/60Hz

Luz ambiente: <3-2000LUX (adjustable)
<15LUX (Photocell function)

Retardamento: Min.10sec ± 3sec
Max.15min ± 2min

Poder de corte: Max.120
600W

IP Classe: IP65

Ângulo detecção: 360 °

Distancia detecção: 8m max(<24℃)

Temperatura trabalho: -20~+40℃

Humidade: <93%RH

Consumo: approx 0.5W

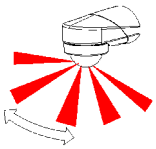
Altura instalação parede: 1.8-2.5m
tecto: 2.2-4m

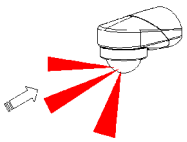
Detecção velocidade mov: 0.6-1.5m/s

FUNÇÃO:

- É capaz de identificar dia / noite. Sendo possível o utilizador ajustar o seu funcionamento para níveis de luz ambiente diferentes. Pode funcionar durante o dia e a noite quando ajustado na posição “Sol” no (max.). Pode funcionar com luz ambiente inferior a 3LUX quando ajustado na posição “3” no (min)
- Função fotocélula: quando o potenciómetro LUX , o sensor só funcionará como uma fotocélula. Quando a luz natural ambiente é inferior a 15Lux, o sensor ativa a carga, e quando a luz natural for superior a 50Lux, o sensor desativa a carga.
- O ajuste do tempo é adicionado continuamente: quando recebe a indicação de movimento apos a

primeira atuação, esta ira reiniciar o tempo a partir desse momento



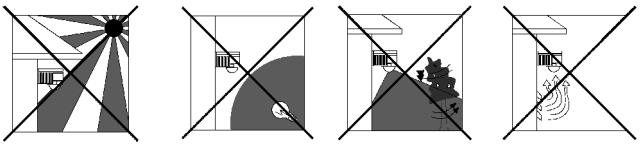


Boa sensibilidade Má sensibilidade

CONSELHOS INSTALAÇãO:

O detetor responde a alterações de temperatura, evite as seguintes situações:

- Evite apontar o detetor no sentido de objetos com superfícies altamentes refletoras, tais como espelhos, etc.
- Evite montar o detetor perto de fontes de calor, tais como aquecedores, ar-condicionado, etc.
- Evite apontar o detetor para objetos que se possam mover com o vento, como cortinas e, plantas altas.



LIGAÇãO:

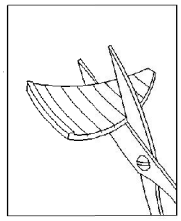
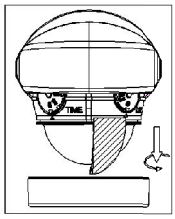


WARNING

Perigo de morte. Risco de choque elétrico!

- A instalação deve ser realizada por técnicos qualificados.
- Desligue a energia.
- Cobrir ou isolar peças adjacentes sob tensão
- Proteger contra reativação
- Verifique a ausência de energia.

Nota: pode cortar a mascara fornecida, seja qual for a sua forma para um melhor ajuste do alcance de deteção.

Instalação na parede e nos cantos:

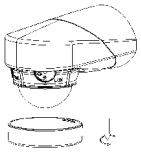
- Retire a tampa junto a lente de deteção e ajuste o botão TIME e LUX. Se necessitar de uma deteção inferior a 360 °, pode instalar as mascaras fornecidas para limitar o angulo de captura. (Figura 1). Desaperte o parafuso por baixo da lente de deteção e retire o fundo (Figura 2). Desaperte os dois parafusos na parte inferior e retire o fundo em duas partes.(Figura 3)
- Passe os fios de alimentação através dos orifícios com os vedantes. Ligue a alimentação de acordo com o diagrama de ligações.
- Fixe o fundo com os parafusos fornecidos na posição selecionada.
- Fixe agora o sensor e aparafuse-o. Ligue a energia e teste a unidade.



Wall installation



Corner installation



ou

Figura1

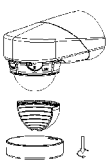
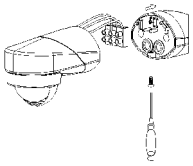



Figura2

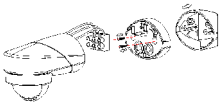
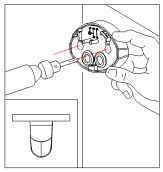
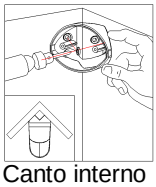


Figura3

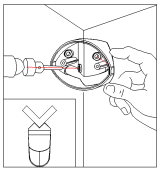
Pode ser instalado na parede diretamente, mas também pode ser instalado no canto interno ou em canto externo com angulo fornecido (consulte a fotografia abaixo



Montagem plana



Canto interno



Canto externo

Instalação no tecto:

- Retire a tampa, dobre o corpo da unidade, retire o parafuso na parte inferior e retire o fundo da unidade.(Figura 1)
- Passe os fios de alimentação através dos orifícios com os vedantes. Ligue a alimentação de acordo com o diagrama de ligações.
- Fixe o fundo com os parafusos fornecidos na posição selecionada (Figura 2)
- Fixe agora o sensor e aparafuse-o. Ligue a energia e teste a unidade.



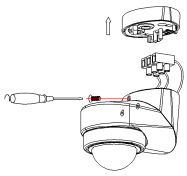


Figura1

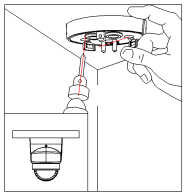
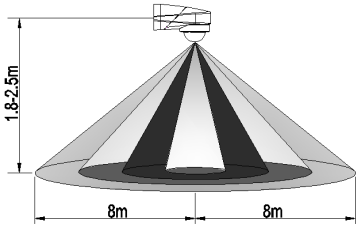


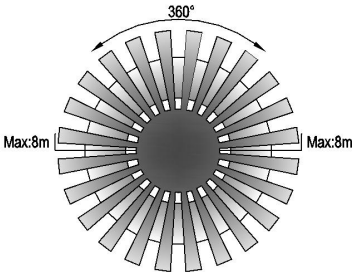
Figura2

INFORMAÇÃO DO SENSOR:

Instalação na parede:

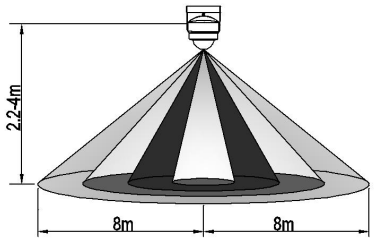


Altura montagem: 1.8-2.5m

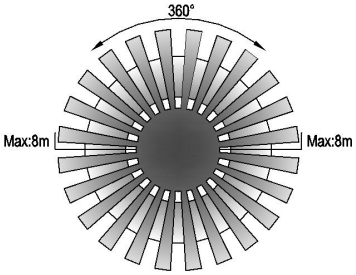


Àrea detecção: Max.16m

Instalação no tecto:



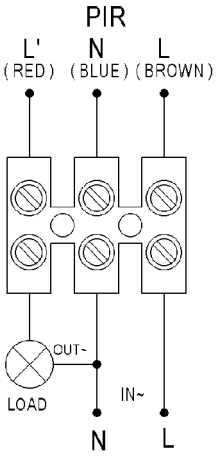
Altura montagem: 2.2-4m



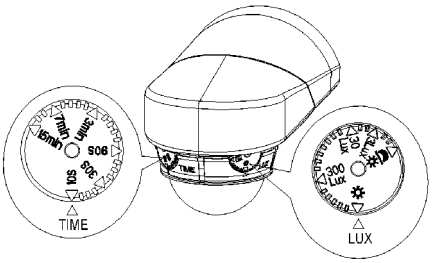
Àrea detecção: Max.16m

DIAGRAMA LIGAÇÕES:

(Ver figura aqui ao lado)



TESTE:



- Ajuste potenciómetro do tempo para o mínimo (10”). Ajuste o potenciómetro dos LUX para a posição (SOL).
- Ligue a alimentação; o detetor e a sua carga não deve obter nenhuma informação no inicio. Esta só deve acontecer apos o período de aquecimento (+ - 30”). Depois do detetor receber o movimento, a carga ira ser ligada. Enquanto não for ativado novamente a carga ira ser desligada aproximadamente em (10” ±3”)
- Ajuste os “LUX” sentido anti-horário para o mínimo, se a luz ambiente for superior a 3LUX, a carga não voltara a ligar. Se a luz ambiente for inferior a 3LUX (escuro), o detetor devera funcionar sem que seja acionado, a carga devera se desligar em aproximadamente 10” ±3”.
- Função fotocélula: quando o potenciómetro LUX , o sensor só funcionará como uma fotocélula. Quando a luz natural ambiente é inferior a 15Lux, o sensor ativa a carga, e quando a luz natural for superior a 50Lux, o sensor desativa a carga. O sensor não responde a niveis de iluminação 600LUX com lâmpadas LED ou CFL se a luz natural não chegar aos 50Lux.

Nota: quando efectuar o teste durante o dia, rode o potenciometro para a posição do Sol , senão o sensor não irá trabalhar!

PROBLEMAS DE LIGAÇÂO:

- A carga não liga:
  a. Verifique as ligações.
  b. Verifique se a carga esta boa.
  c. Verifique se as configurações de luz correspondem a do ambiente.
- Sensibilidade fraca:
  a. Verifique se não existe nenhum objeto que impeça a deteção.
  b. Verifique se a temperatura ambiente não é demasiadamente elevada.
  c. Verifique se esta dentro do raio de deteção do detetor.
  d. Verifique se o detetor esta montado dentro da altura estipulada.
  e. Verifique se a orientação do movimento é a correta.
- A carga não desliga:
  a. Verifique se não existe um movimento continuo dentro do raio de atuação do detetor.
  b. Verifique se “TIME” não esta regulado para o tempo máximo
  c. Verifique se a alimentação corresponde ao indicado

e19

Infrared Motion Sensor



Instruction

Welcome to use e19 infrared motion sensor!

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practicality functions. The wide detection field consists of up and down, left and right service field. It works by receiving human motion infrared rays. 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.

SPECIFICATION:

Voltage: 220-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable)
<15LUX (Photocell function)

Time Delay: Min.10sec ± 3sec
Max.15min ± 2min

Rated Load: Max.1200W
600W

IP Class: IP65

Detection Range: 360 °

Detection Distance: 8m max(<24℃)

Working Temperature: -20~+40℃

Working Humidity: <93%RH

Power Consumption: approx 0.5W

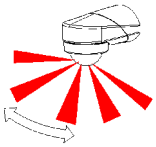
Installation Height: Wall: 1.8-2.5m
Ceiling: 2.2-4m

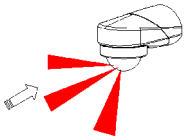
Detection Moving Speed: 0.6-1.5m/s

FUNCTION:

- Can identify day and night: The consumer can adjust working state in different ambient light. 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 “3LUX” position (min). As for the adjustment pattern, please refer to the testing pattern.
- Photocell function: When LUX knob turned at , the sensor will only work as a Photocell. When ambient natural light is less than 15Lux, the sensor will work and turn on the lamp, and when the natural light is more than 50Lux, the sensor will switch off the lamp.

- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.



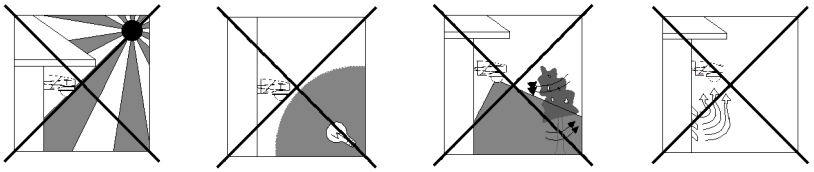


Good sensitivity Poor sensitivity

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 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.



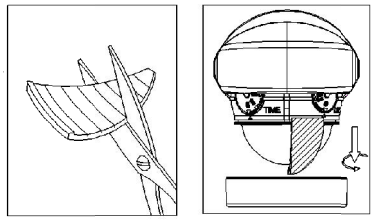
CONNECTION:

WARNING

Warning. Danger of death through electric shock!

- Must be installed by professional electrician
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

Note: you can cut the plastic cover whatever shape you want and different detection range. (refer to right figure)



Wall and corner Installation:

- Unload the cover near the detection window and adjust the TIME and LUX knob. If you need detection range less then 360°, you can install the plastic cover above the detection window. (refer to figure1). Unscrew the screw below the detection window and unload the bottom (refer to figure 2). Also unscrew the two screws at the bottom and unload the bottom into two parts. (refer to figure 3)



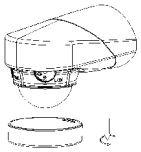
Wall installation

- Find the wire hole at the bottom and pass the power wire through the hole. Connect the power with the connection-wire column according to the Connection-wire Diagram.
- Fix the bottom on the selected position with the inflated screw.



Corner installation

- Fix the sensor at the bottom and tighten the screw. Switch on the power and then you can test it.



OR

Figure1

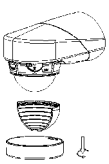
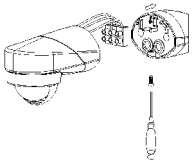



Figure2

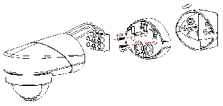
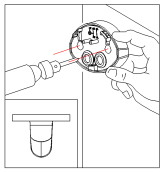
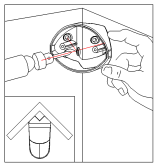


Figure3

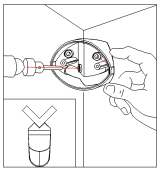
- It not only can install on the wall directly but also can install in the inner corner or outer corner with the help of the widget (refer to photograph below):



Flat mounted



Inner corner mounted



Outer corner mounted

Ceiling Installation:

- Remove the widget ,fold the back cover and loose the screw on the bottom and unload the bottom.(Refer to figure 1)
- Find the wire hole at the bottom and pass the power wire through the hole. Connect the power with the connection-wire column according to the Connection-wire Diagram
- Fix the bottom with inflated screw on the selected position (refer to the figure 2)
- Install back the sensor on the bottom, tighten the screw and then test it.



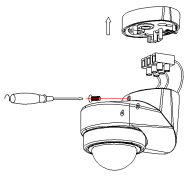


Figure1

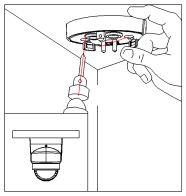
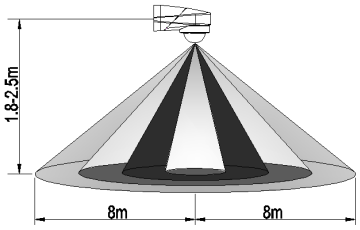


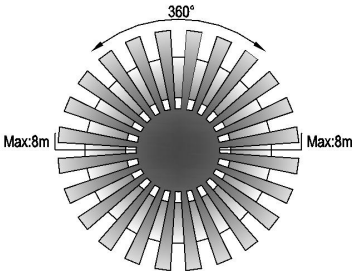
Figure2

SENSOR INFORMATION:

Wall Installation:

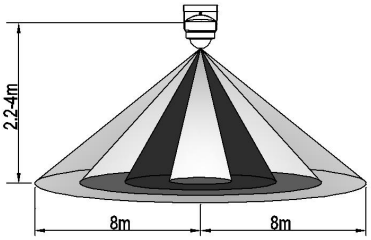


Height of installation: 1.8-2.5m

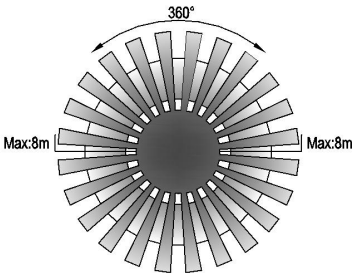


Detection Distance: Max.16m

Ceiling Installation:



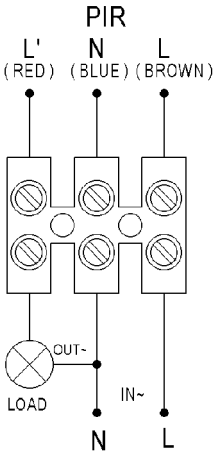
Height of installation: 2.2-4m



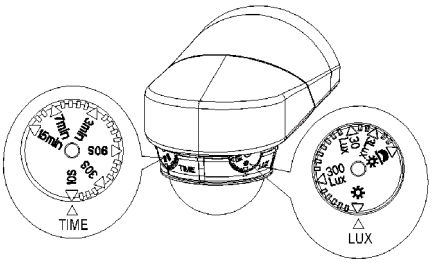
Detection Distance: Max.16m

CONNECTION-WIRE DIAGRAM:

(See the right figure)



TEST:



- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec ± 3sec and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (3LUX). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec ± 3sec.
- Turn LUX knob at position ☾|☼ , the sensor will only work as a Photocell. When ambient natural light is less than 15Lux, the sensor will work and turn on the lamp, and when the natural light is more than 50Lux, the sensor will switch off the lamp. The sensor will not respond to lights less than 600LUX from LED or Energy-saving lamps if ambient natural light does not reach more than 50Lux.

Note: when testing in daylight, please turn LUX knob to ☼ (sun) position, otherwise the sensor could not work!

SOME PROBLEM AND SOLVED WAY:

- The load does not work:
  a. Please check if the connection of power source and load is correct.
  b. Please check if the load is good.
  c. Please check if the settings of working light correspond to ambient light.
- The sensitivity is poor:
  a. Please check if any hindrance in front of the detector to affect it to receive the signals.
  b. Please check if the ambient temperature is too high.
  c. Please check if the induction signal source is in the detection field.
  d. Please check if the installation height corresponds to the height required
  e. Please check if the moving orientation is correct.
- The sensor can not shut off the load automatically:
  a. Please check if there is continual signal in the detection field.
  b. Please check if the time delay is set to the maximum position
  c. Please check if the power corresponds to the instruction.