

Operation Instructions

Make your choice...

M-618 Safety Beam Sensor

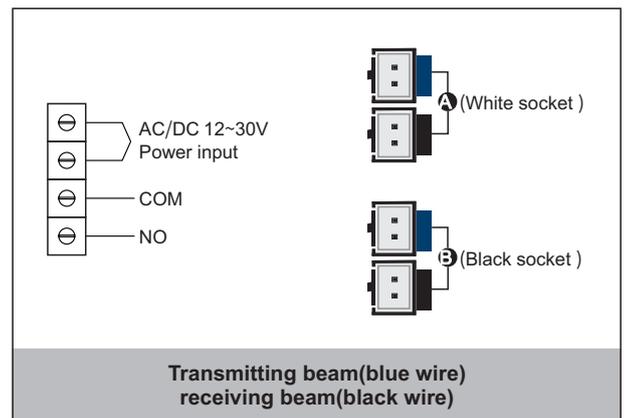
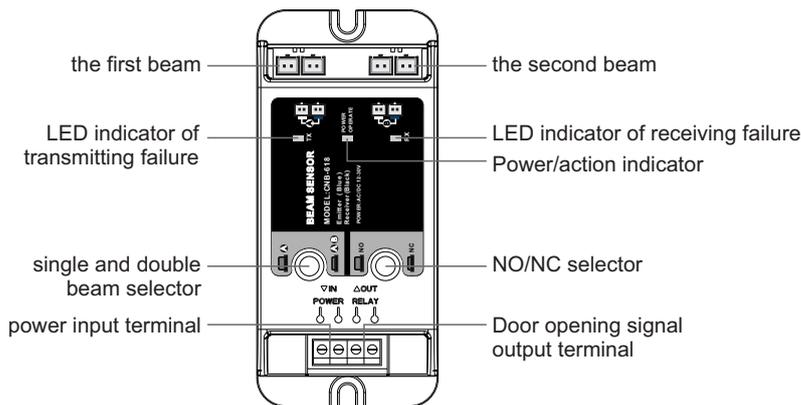


1 Safety Instruction



Thanks for your purchasing, please refer to the following before using.

2 Overview



3 LED Indicator Definition

TX: LED indicator of transmitting failure, when the first beam is emitted, there is a short-circuit or open-circuit fault, the indicator light flashes quickly, 3 times per second. When the second beam is fault, the indicator light flashed slowly.

Power: standby state - red light is always on; action state - green light flashes slowly.

RX: LED indicator of receiving failure, when the first beam is received, there is a short-circuit fault, the indicator light flashes quickly. When the second beam is fault, the indicator light flashed slowly.

4 Precautions

- Single Beam must be connected into Group A (White Socket). Double beam must be connected into Group AB (Both White and Black Socket)
- When fixing the electric eyes, the installation holes should be $\varnothing 13\text{mm}$.
- Installation height of single light beams is 60cm from the ground; Installation height of double light beams, one sets beams should be 30cm from the ground, the second sets beams should be 90cm from the ground.
- The receiving and transmitting electric eyes, have a certain detection range, but it must be aligned during installation to ensure the consistency of the horizontal and vertical directions.
- Between the receiving and transmitting electric eyes, keep away from the bonsai or other objects to avoid error action.
- This system has high anti-interference ability, but should avoid direct sunlight to the electric eye when installing.
- Please make sure the installation height should be at least 20 cm from the ground.

5 Technical parameters

Power supply: AC/DC 12-30V	Receiving cable length: 5.5 meters (black)
Static current: 18mA	Beam light: Single beam / double beam light
Action current: 58mA	Working temperature: $-42^{\circ}\text{C}\sim 45^{\circ}\text{C}$
Max matched distance: 10 meters	Working humidity: 10-90%RH
Output connect: NO/NC selection by the key	Dimension (main controller): 110(L) \times 50(W) \times 24.8(H)mm
Transmitting cable length: 5.5 meters (blue)	Dimension (Electric eye): 15.5(\varnothing) \times 18(H)mm, Hole: 13(\varnothing) \times 19(D)mm