

Operation Instruction

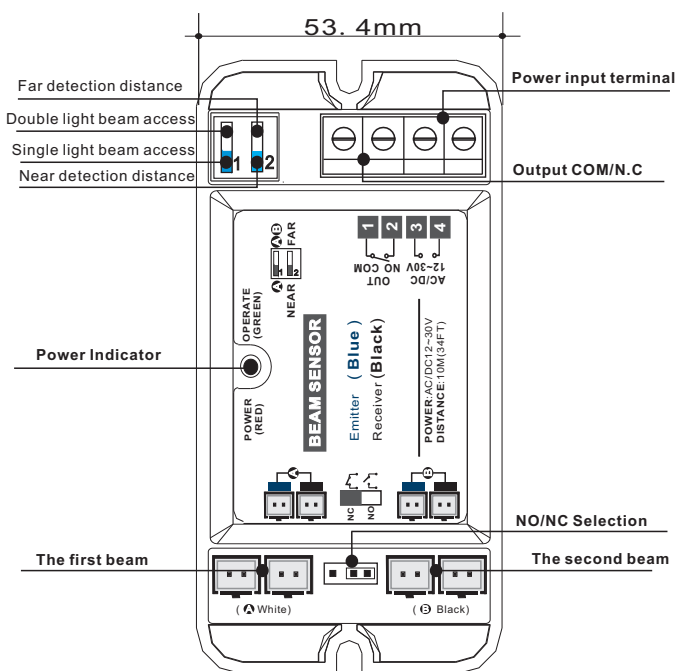
M-218D Safety Beam Sensor



1 Security Guide

! Thank you buy our products, please read the instructions before use.

2 Panel instructions and Use Description

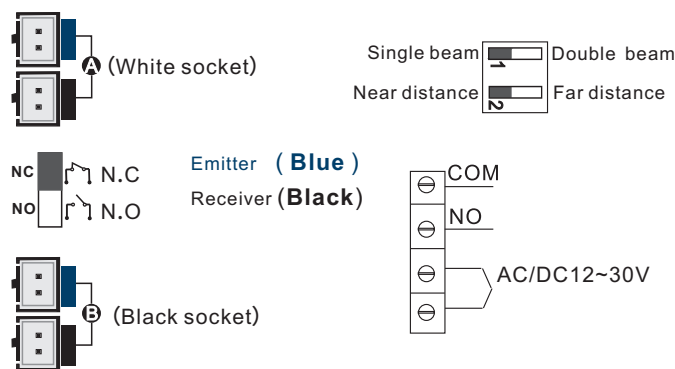


3 Overall Characteristics

- Adopt the color corresponding plug-in socket, simple wiring, convenient and accurate.
- Adopt microcomputer control technology, high integration with high stability, far transmitting distance, strong anti-interference ability.
- The international universal optical lens design, good focusing and reasonable controlled angle, easy to install.
- Adopts microcomputer special coding transceiver technology, with long transmitting and receiving distance and strong anti-interference ability.
- Adopt German receiving filter, decoding and amplification system to effectively solve the problem of anti-natural sunlight interference.
- Transmitting head adopt low consumption high pulse transmitting technology, far transmitting distance, long service life.

- It has a design for connecting and outputting single or double groups of transmitting and receiving lenses respectively, and the connection is good in shielding. It can control single light beam, or control dual light beams.
- After the safety beams is triggered, the normally open or normally closed contact signal output can be flexibly selected.
- Wide voltage input design, AC/DC 12-36V power input.
- Special high-precision calculating mode, and with sun filter factor, greatly improved the anti-inference performance of the system.
- Equipped with short connection fault alarm function for receiving eye head.

4 The definition of input and output terminals



Note: Emission eyes (Blue Cable) Receiver eyes (Black Cable)

5 Precautions

1. Single Beam must be connected into Group A (White Socket). Double beam must be connected into Group AB (Both White and Black Socket)
2. When fixing the electric eyes, the installation holes should be $\phi 13\text{mm}$
3. 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.
4. 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
5. Between the receiving and transmitting electric eyes, keep away from the bonsai or other objects to avoid error action.
6. This system has high anti-interference ability, but please should be avoid but should avoid direct sunlight to the electric eye when installing.
7. Please make sure the installation height should be at least 20 cm from the ground.

6 Technical parameters

Power input:	AC/DC 12~30V
Static current:	18mA (12V power)
Action current:	58mA (12V power)
Max transmitting distance:	10 meters
NO/NC output connect:	Button selector
Transmitting cable:	Blue cable, 5.5 meters
Receiving cable:	Black cable, 5.5 meters
Light beams:	Single light beam or dual light beams
Working temperature:	-42°C~45°C
Working humidity:	10-90%RH
External dimension(Main controller):	105.5(L)x53.4(W)x28.5(H)mm
Dimension(Electric eyes):	19(L)x13(D)mm