

# Operation Instructions

Make your choice...

## M-218E Safety Beam Sensor

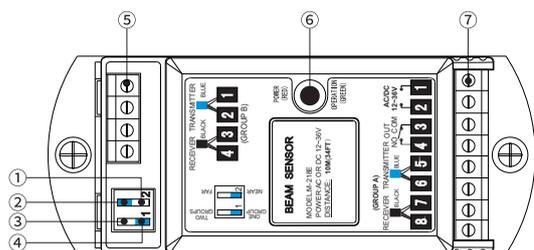


### 1 Safety Instruction



Thank you so much for your purchasing, please refer to the following manual before using.

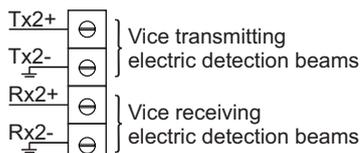
### 2 Product Overview



- ① select near distance
- ② select far distance
- ③ select double set beams
- ④ select single set beams
- ⑤ vice receiving and transmitting beams input
- ⑥ LED indicators
- ⑦ main receiving and transmitting beams input
- ⑧ NO NC output switch

Transmitting beam(blue wire) receiving beam(black wire)

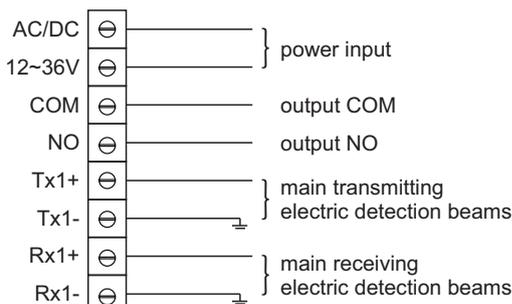
### 3 Wiring diagram



4-PIN terminal



Main controller



8-PIN terminal



**When it is single set beams, the transmitting and receiving electric detection beams must be connected to the 8-PIN main terminal.**

### 4 Precautions

- When the electric detection beam is installed, the diameter of the drilled hole is 13mm.
- For single set beams, the installation height from the ground is 60cm; for double set beams, one set is installed at a height of 30cm from the ground, and the other set is at a height of 90cm.
- When it is single set beams, the transmitting and receiving electric detection beam must be connected to the main terminal of the 8PIN terminal, otherwise the control will fail.
- There is a certain detection range for the transmitting and receiving electric beams, but please be sure to align them in the horizontal and vertical directions when installing.
- Don't place bonsai or other stacked objects between the photoelectric eyes to avoid blocking malfunctions.
- The system has excellent anti-interference ability of natural light, but please avoid the direct front of the electric beams from the direct sunlight during installation.
- Make sure that the height of the safety beam from the ground is not less than 20cm.

### 5 Technical parameters

Power supply: AC/DC 12-30V	Beam light: Single beam / double beam light
Static current: 35mA	Working temperature: -42°C~45°C
Action current: 72mA	Working humidity: 10-90%RH
Max matched distance: 10 meters	Dimension (main controller): 123(L)×50(W)×32(H)mm
Output connect: NO/NC selection by dial switch	Dimension (Electric eye): 15.5(ø)×18(H)mm, Hole: 13(ø)×19(D)mm
Wire: transmitting wire with 5.5m in blue, receiving wire with 5.5m in black	Weight: about 235g