

1. **Product Name:** Security Light Curtain
2. **Model No.:** QA32/40-1240 technical parameter: 32 beam, distance: 40, protection height:1240
voltage :DC12-24V, output : PNP NC or PNP NC
3. **Accessories** (packing list): One receiver, one transmitter, two data wires,a pack of side mounted screw,a bag of rectangular frame,a bag of card slot screw:

4. Application

- A. Light curtain can achieve full protection for the slider can be stopped at any position on the press machine.
- B. The light curtain can only achieve upper dead point protection if the slider can not be stopped at any position on the press machine
- C. Realize the regional protection for the industry manipulator, injection molding machines, packaging equipment, automation equipment, assembly wires and other dangerous work area.
- D. Used to detect and alarm object.

5. Requirements for working environment

- A. Resistance to environmental light : incandescent light: light receiving surface illumination 3000LX; sun light: light receiving surface illumination 10000LX
- B. Environmental temperature: Working state -10 ~ +40 °C (but not freezing), Save state -25 ~ +55 °C
- C. Humidity: Working state: 35-85%RH, save state: 35-95%RH

6. Working status (including LED indicator lights,etc)

- A. When the power supply is switched on, the red light will flash if the receiver and the transmitter is misaligned.
- B. When the power supply is switched on, red light on receiver will be changed to green if the receiver and the transmitter can be aligned,, while Black wire or Brown wire (indicate NC) input and output the same voltage (i.e., if the input voltage is 12V or 24V, then the output voltage is 12V or 24V) .
- C. If there is any object block the light curtain, the receiver will change from green to red, in the meantime Black wire or Brown wire wire will be disconnected (No output)

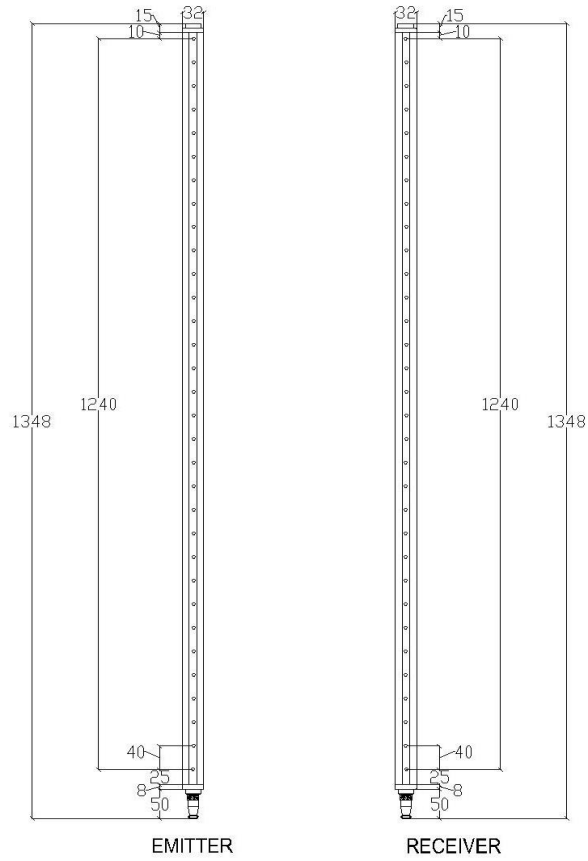
7. Connection Wire

- A. Transmitter: Brown(wire 1) connect +24V
Blue(wire2) connect 0V
Black(wire 3), connect CP Synchronous wire
Red(wire 4), connect CE Synchronous wire
White(wire 5), connect PNP NC
Green(wire 6), connect PNP NO
Yellow and green (wire 7) stripes grounding wire
- B. Receiver Brown(wire 1) connect +24V
Blue(wire2) connect 0V
Black(wire 3), connect CP Synchronous wire
Red(wire 4), connect CE Synchronous wire
White(wire 5), connect PNP NC
Green(wire 6), connect PNP NO
Yellow and green (wire 7) stripes grounding wire

8. Installation way: If the transmitter and receiver is mounted directly on the machine tool body through the fixing clamp, then it is generally applicable to the frame structure of the closed type press.

- C. To ensure the safety distance when install the machine into the wall, choose the correct installation position as per the common fixing clip size when drilling and tapping. When drill and positioning, attention should be paid to transmitter and receiver to ensure parallel to each other.
- B. The transmitter and the receiver is installed in the same way, through a side slot and type T screws with external fixed together respectively, with connector socket end or transmission wire end down.
- C. Fix the transmitter and receiver to ensure it is parallel to each other, then fasten the screws.

Dimensional Photo



QA32/40:beams:32,
 beam distance:40mm,
 Protection:1240mm,
 DC24V .
 Output:PNP NO
 Output:PNP NO

Connection photo

