

description

Fix photoelectric switch, make the sensing distance fit to the requirements. According to the wrapping paper you use, make sure the light source of the switch, and determine light-on or dark-on according to your machine's needs. Finally, adjust the sensitivity.

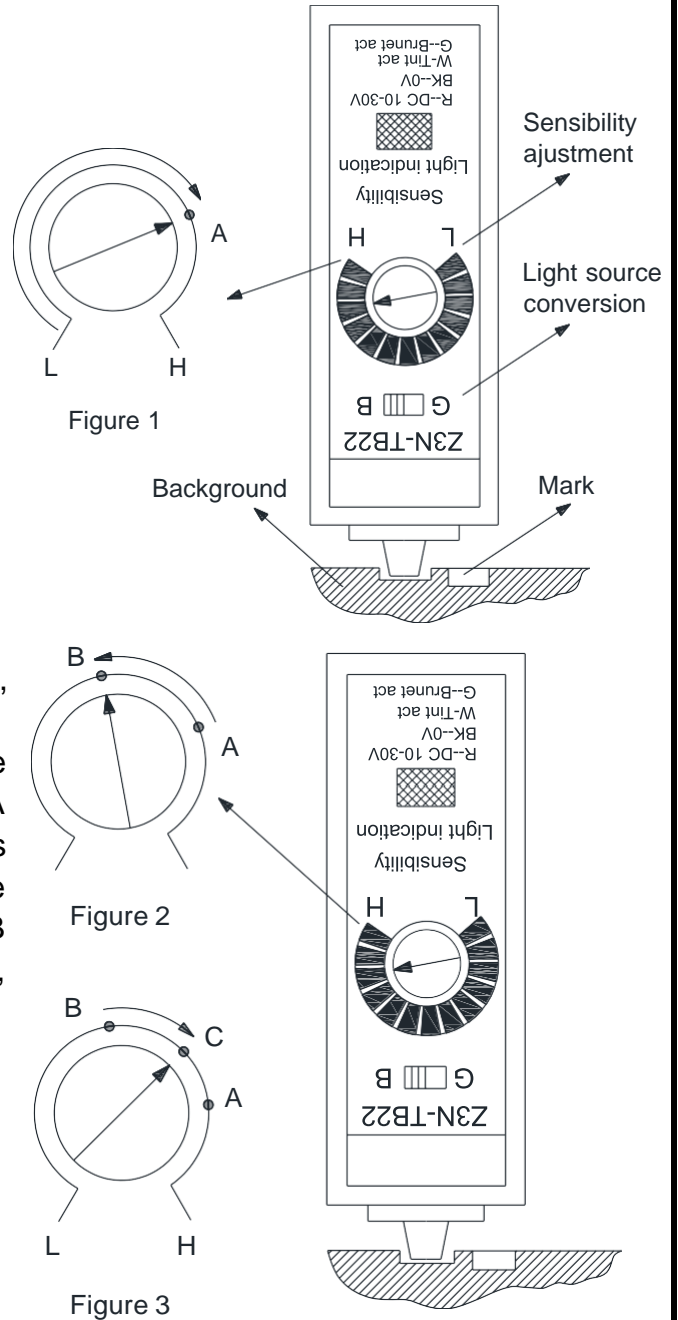
Example: The output is light-on, the wrapping paper is tint, the background is dark

(1) Move the wrapping paper, make the cast point falls within the background area outside the mark, turn the sensitivity back to the end, then slowly turn it clockwise until the indicator light is on, remember the potentiometer's position, like Figure 1's point A. (If the "high" position lights are still off, the "high" position is point A.)

(2) Move the wrapping paper, when the indicator light, counterclockwise slowly rotating the knob until the light just off, remember the rotation position at this time, as shown in Figure 2 of the B point.

(3) When finish the above two steps, then set the potentiometer knob to C, which is in the middle of A and B points, as shown in Figure 3, adjustment is completed. A, B two points larger, indicating that the color is relatively large, more stable detection. But A, B two points should have at least one lattice distance, otherwise the test will be unstable.

Model table



Note

1. Before the power must check whether the power supply is DC10-30V \pm 10%, the maximum can not exceed 40V, otherwise it may damage the photoelectric switch.
2. In order to ensure high stability testing, to ensure that two points: First, the detection distance in line with the rated distance of the model, such as the distance of 12mm, must install the switch as 12mm distance, so it has \pm 2mm anti-vibration area. Second, strictly adjust the sensitivity according to the operation steps. And each change for different wrapping paper should be re-adjusted once.
3. The installation should prevent direct light into the optical lens or take appropriate shading measures.
4. The working environment of the temperature, humidity, vibration, shock and other corrosive gases, may affect the work of photoelectric switch, please pay attention to try to exclude these effects.
5. Usually pay attention to the protection of optical lens cleaning, installation as far as possible to avoid vertical lens up, reduce dust.

Light source selection

Green LED (○ : Easy to be detected × : Hard to be detected)

Mark Background	Black	Silver	Red	Orange	Yellow	Green	Blue	Indigo	Purple	White
Black	—	○	○	○	○	×	×	×	○	○
Silver	○	—	○	×	×	○	○	○	○	×
Red	○	○	—	×	×	×	×	×	×	○
Orange	○	×	×	—	○	○	○	○	×	○
Yellow	○	×	×	×	—	○	○	○	×	×
Green	×	○	×	○	○	—	×	×	×	○
Blue	×	○	×	○	○	×	—	×	×	○
Indigo	×	○	×	○	○	×	×	—	×	○
Purple	○	○	×	×	×	×	×	×	—	○
White	○	×	○	○	×	○	○	○	○	—

Red LED (○ : Easy to be detected × : Hard to be detected)

Mark Background	Black	Silver	Red	Orange	Yellow	Green	Blue	Indigo	Purple	White
Black	—	○	○	○	○	×	×	×	○	○
Silver	○	—	×	×	×	○	○	○	×	×
Red	○	×	—	×	×	○	○	○	×	×
Orange	○	×	×	—	×	○	○	○	×	×
Yellow	○	×	×	×	—	○	○	○	×	×
Green	×	○	○	○	○	—	○	○	○	○
Blue	×	○	○	○	○	×	—	×	○	○
Indigo	×	○	○	○	○	×	×	—	○	○
Purple	○	×	×	×	×	○	○	○	—	○
White	○	×	×	×	×	○	○	○	○	—