

PT140400 / PT140470

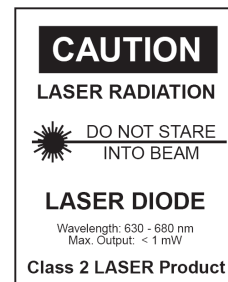
laser sensors, diffuse reflection sensor

adjusting the sensor:

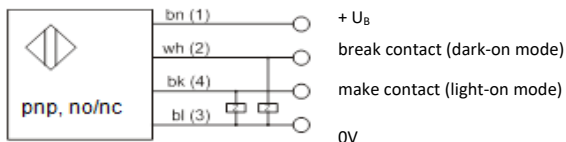
1. The laser PT14 must first be aligned with the object to be detected so that it can be temporarily mounted.
2. Adjusting the background area:
 When doing this, the object to be detected must not be in the path of the laser beam. If the background is in the detection range (sn) of the sensor, the potentiometer must be turned clockwise until the yellow LED signal lights up.
 If the background is outside the detection range, the potentiometer will have to be turned clockwise until a click is heard. This is as far it can be turned.
3. Adjusting the foreground area:
 When doing this, the object to be detected must be in the beam path. The yellow LED signal should light up. If it does not light up, the object is too far away from the sensor and the distance between this and the sensor must be changed accordingly.
 Next turn the potentiometer counter-clockwise until the LED signal turns off. Because this is a multiplex potentiometer, count the turns if needed.
4. Setting the switching point:
 Next turn the potentiometer at the mid-point exactly between the previously determined positions.
5. The laser scanner can then finally be mounted. When doing so, do not exceed the maximum torque of **0,5Nm**. Otherwise tension in the plastic housing may cause the circuit board to break, which will irreparably damage the sensor.

Note

The attached warning signs on the device relate to the laser equipment. A warning sticker can be ordered with the item number AP000026. In addition, the system's control elements should be mounted as far away from the beam as possible and employees using this equipment should be trained accordingly.



electric connection



bn=brown, wh=white, bk=black, bl=blue
 terminal marking of cable socket in brackets

yellow LED

When this LED lights up, the switching output is active. When the LED blinks, the optics are either dirty or the distance to the object has changed. The optics should then be cleaned or the distance readjusted.

green LED

When this LED lights up, the operating voltage is applied.