

Photo Cell User Manual P5102

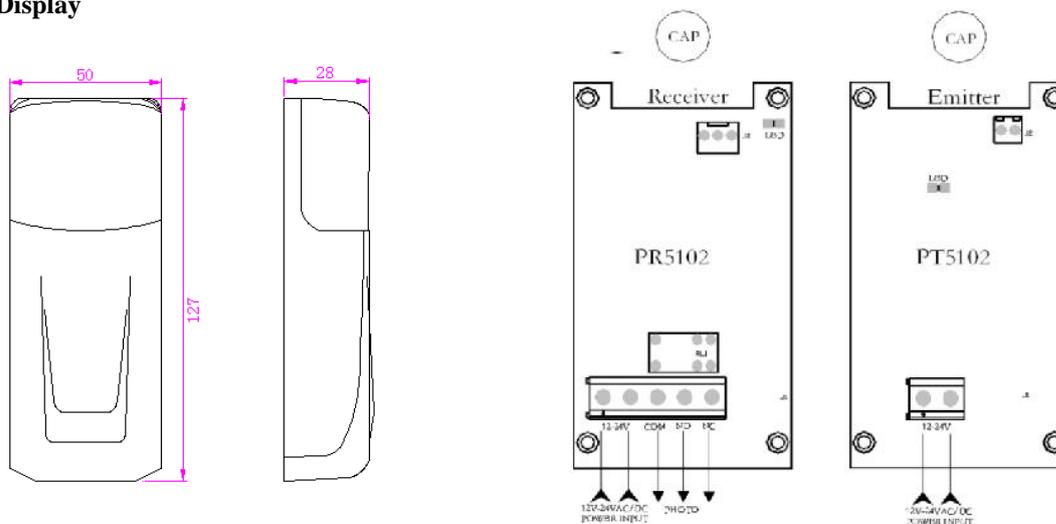
I. Technical Specification

1. Working voltage: 12~24VAC/DC
2. Working current(24VDC):emitter: $\leq 15\text{mA}$ receiver: $\leq 30\text{mA}$
3. Photocell wavelength: 940nm
4. Angle of opposite emission: $\leq \pm 5^\circ$
5. Receiver range: $\geq 12\text{m}$
6. **Internal Rotation system adjusted Angle: 0~180 °**
7. Working temperature: $-20^\circ \sim +60^\circ\text{C}$
8. Relay contact loading capacity: 1A/30VDC
9. Waterproof grade: IP54
10. Size: 127*50*28mm
11. Weight: 133g

II. Safety Instruction

1. For security, please read the user manual carefully before initial operation;
2. Please be sure the power is off before connecting, the product is produced without fuse;
3. It is used only for the manual remote control and wireless control equipment / system, this system must not endanger life or property during the running failure or its security risks have been eliminated;
4. Please operate the product in effective receive range.

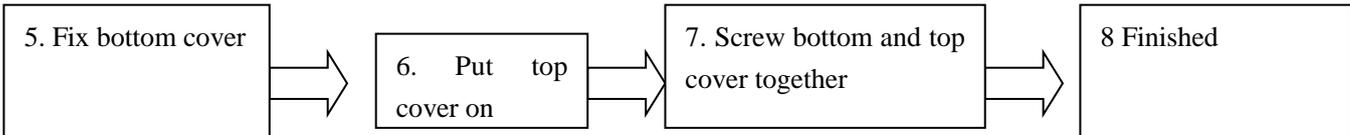
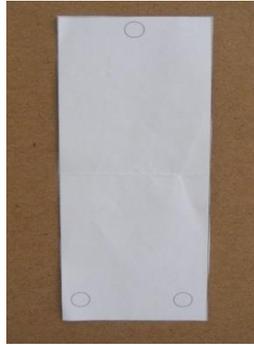
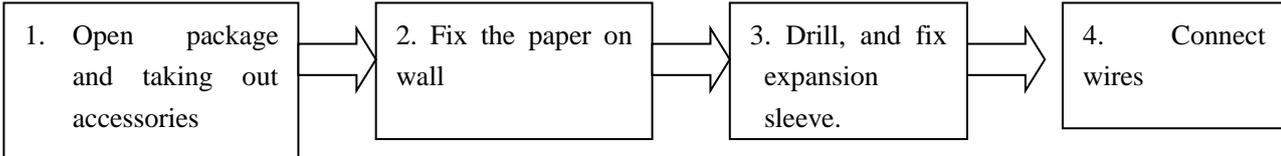
III. Picture Display



IV. Installation Instruction

1. The product should be installed more than 20cm upper the ground(to avoid reflection), and the distance between emitter and receiver shall be more than 0.5 meters(if not , maybe the photocell will working on or cannot work);
2. the end user should installed the photocell on the back of the direct sunshine or other strong shining($\pm 5^\circ$) to keep the photocell work well steadily
3. Pls try to avoid installing other photocell emitters within effective receive range;
4. If install many photo cells on the same line, can install receivers on two ends and then emitters in the middle back to back which can effectively avoid the problem as above.
5. in order to avoid signal bias of emitters and receivers which will easily cause mis-operation, pls Install the photocell firmly
6. Connecting power after checking no error of connecting lines, emitter LED lights, keep the CAP of emitter and receiver align, receiver LED off; When they are not align, receiver LED on.
7. Connecting power after checking no error of connecting lines, the contact NO/COM of receiver connects while NC/COM disconnects.; Keep the CAP of emitter and receiver align, NC/COM connects while NO/COM disconnects.; When they are not align, NO/COM connects while NC/COM disconnects.

V Installation Instruction



The interpretation and ownership of this manual belong to Hiland company. Any change of the product can be without prior notice.