

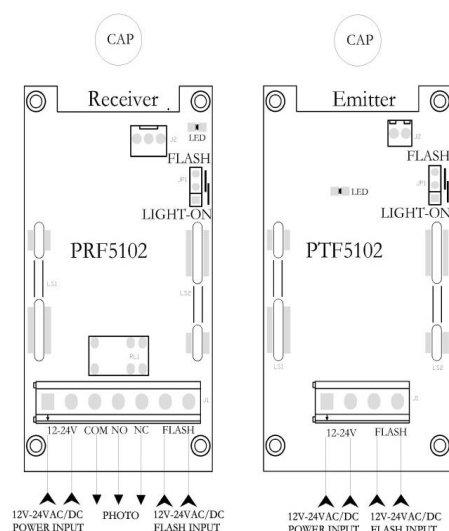
I. Technical Specification

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: $\pm 90^\circ$
7. Working temperature: $-20^\circ \sim +60^\circ\text{C}$
8. Relay contact loading capacity: 1A/30VDC
9. Waterproof grade: IP54
10. Can connect external flash lamp signal (12V-24VAC/DC), LED can flash.
11. Size: 127*50*35mm
12. Weight: 153g

II. Safety Instruction

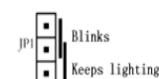
1. For security, please read the user manual carefully before initial operation;
2. This photocell is without any fuse, so Please make sure the power is off before installation;
3. This product is only used for the equipment which will not cause life or property hazards when a breakdown happens or its security risks have been already eliminated;
4. Please guarantee the products used in effective working range.

III. Picture Display

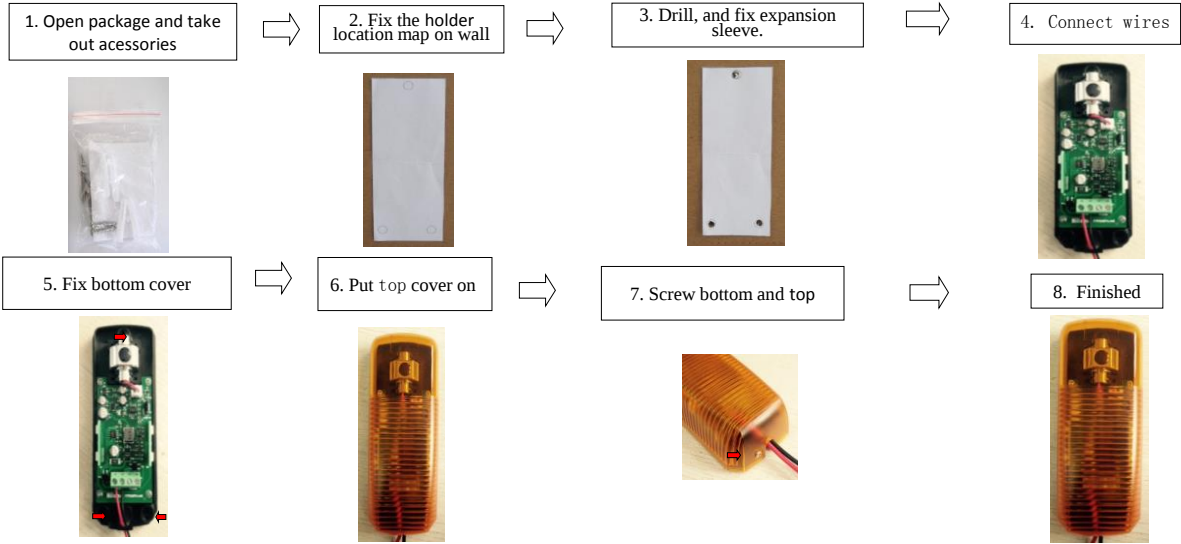


IV. Installation instruction

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 Installate the photocell firmly.
6. Connecting power after checking no error of connecting lines:
 - 6.1 Photocell
 - 6.1.1 After the emitter and receiver module of photocell input 12V-24VAC/DC, emitter LED on,keep the CAP of emitter and receiver align, receiver LED off ; When they are not align, receiver LED on.
 - 6.1.2 After the emitter and receiver module of photocell input 12V-24VAC/DC,NO/COM 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,NC/COM disconnects while NO/COM connects
 - 6.2 Flash lamp
 - 6.2.1 When there is signal income from FLASH port(12V-24V AC/DC)
It keeps lighting when JP1 CAP connects the two pins under
It blinks when JP1 CAP connects the two pins upper
 - 6.2.2 When there is no signal income from FLASH port(12V-24V AC/DC)
It doesn't work when JP1 CAP connects any two pins



V. Installation Pictures



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