

P5001 Photo Cell User Manual

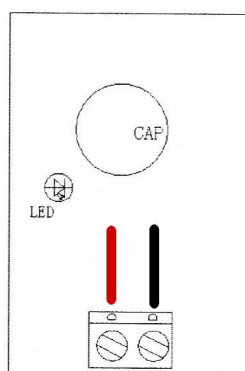
I. Technical Specification

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. Working temperature: $-20^\circ \sim +62^\circ\text{C}$
7. Relay contact loading capacity: 1A/30VDC
8. Size: 69*41*25mm
9. Waterproof grade: IP54

II. Safety Instruction

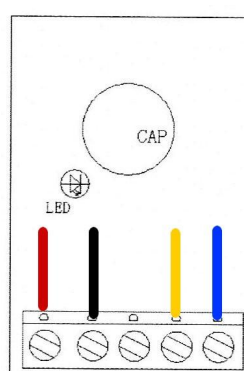
1. For security, please read the user manual carefully
2. Please be sure the power is off before connecting
3. Please operate the product in effective receive range.

III. CONNECTIONS



AC/DC
12~24V

Transmitter



AC/DC NO COM NC
12~24V

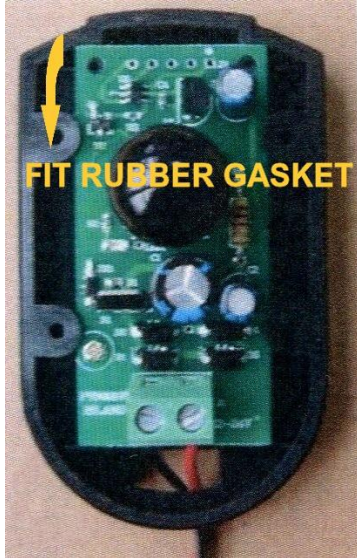
Receiver

IV. Installation Instruction

1. The product should be installed more than 20cm above the ground, and the distance between transmitters and receiver should be more than 2 meters;
2. Avoid direct sunlight to transmitters and receivers within $\pm 5^\circ$; or other direct strong light;
3. Avoid other photocell transmitters within effective receive range;
4. If installing more photo cells on the same line, install receivers each end and transmitters in the middle back to back which can effectively avoid the third problem.
5. Install firmly in order to avoid signal bias of transmitters and receivers which can cause incorrect operation.
6. Connect power after checking all connections
NO/COM is connects when NC/COM disconnects; making the CAP of emitter and receiver align, receiver LED off, NC/COM connects while NO/COM disconnects. If the signal between transmitter and receiver is interrupted, the receiver LED lights, and NC/COM disconnects while NO/COM connects.

Installation Method after making the connections as above

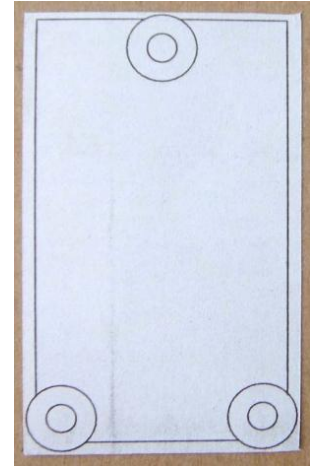
1 Fit the rubber gasket to the bottom cover



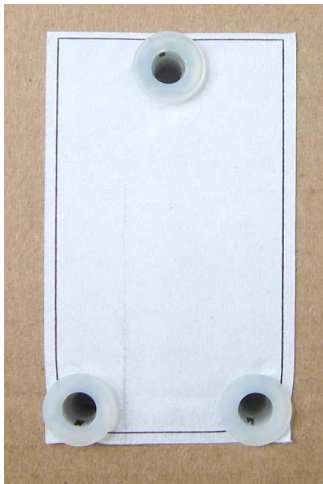
2. Join the bottom cover together with the upper cover with screws, also insert the screw for locking the front cover



3. Stick the paper on wall



4 . Drill holes, and install wall plugs



5. Fasten the back board



6 Locate the photocell to the board, and press downward to connect them

Finally, tighten the cover screw

