

Photocell SF01 User Manual

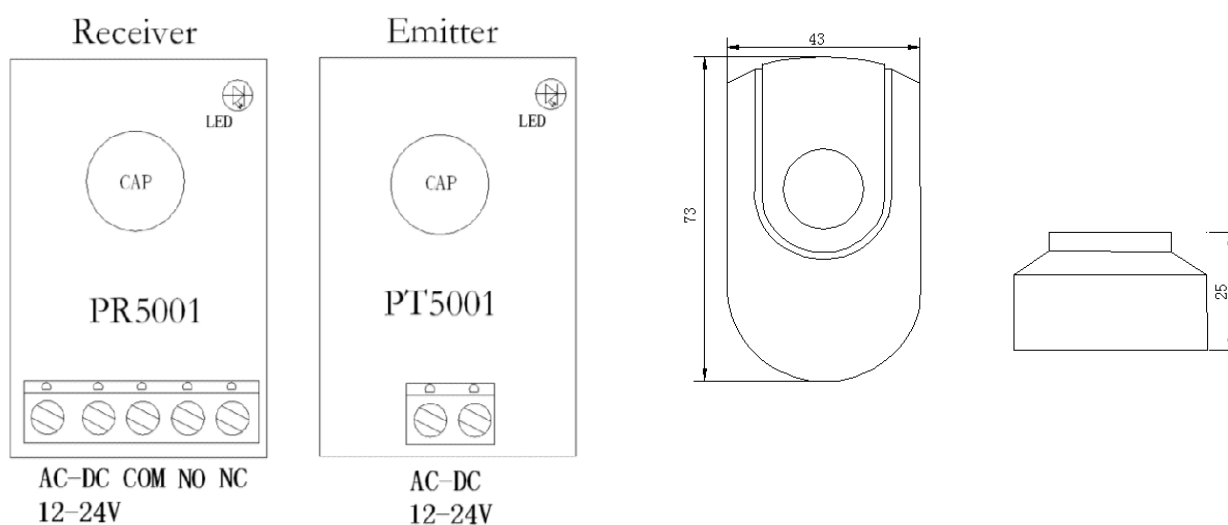
I. Technical Specification

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: $-20^\circ \sim +60^\circ\text{C}$
7. Relay contact loading capacity: 1A/30VDC
8. Waterproof grade: IP54
9. Size: 73*43*25mm
10. Weight: 67g

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, and the distance between emitter and receiver shall be more than 0.5 meters;
2. Avoid direct sunlight to emitters and receivers among $\pm 5^\circ$ or other direct strong light;
3. Avoid 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 third problem.
5. Installation firmly in order to avoid signal bias of emitters and receivers which will easily cause mis-operation.
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 Method

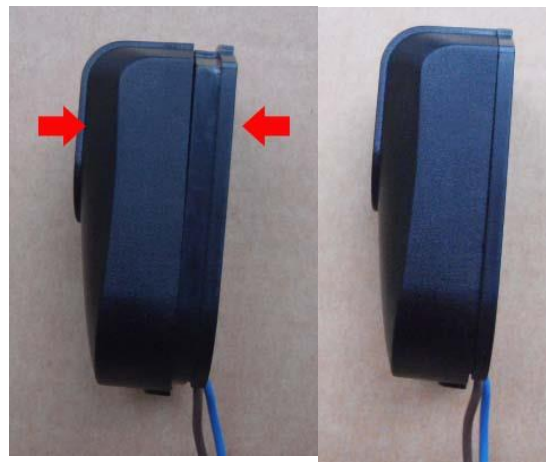
1. Separate the cover



2. Connect with wires, attention of the wire's through position



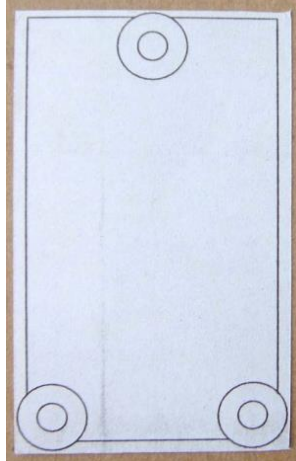
3. Put the cover together



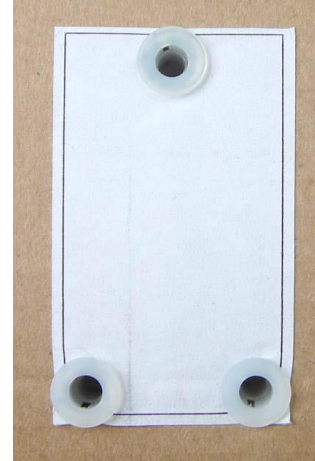
4. Fix the cover with screw of $\Phi 2 \times 6$



5. Put the paper on place needed



6. Drill, and fix expansion sleeve.



7. Fasten board, must be in flat



8. Put the photocell to the board, and press downward to make them fixing firmly.



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