



User Manual of the Photocell Beam Sensor

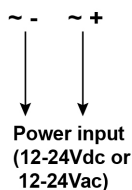
Model: TC102

Specifications:

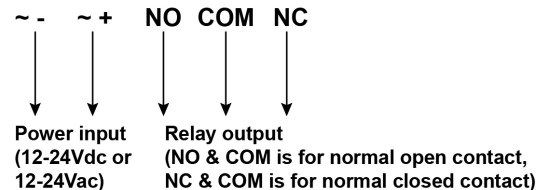
- Technology: Infrared (Photocell)
- Receiver range: $\leq 20\text{m}$. Range can be reduced to 30% in bad weather conditions, such as rain, dust etc.
- Frequency: 1.92 KHz
- Power supply: 12 to 24V DC/AC
- Wave length: 940nm
- Input: RX 15mA-TX 30mA, Angle: $<\pm 10^\circ$
- Working temperature: -20°C - $+50^\circ\text{C}$
- Relay output: 1A max 30V

Definition of the terminals:

Emitter:



Receiver:



Wire connection:

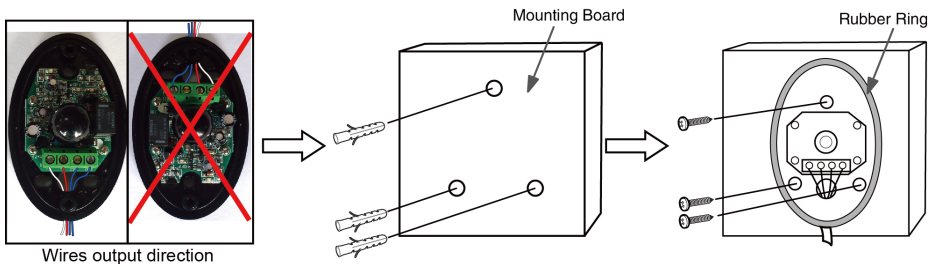
Please refer to the user manual of the gate opener for wire connection.

Install the PBS Switch:

Note: Install the PBS Switch over the height of 20cm. Install the receiver not less than 3m away from the emitter. Vertically install the PBS Switch and keep both emitter and receiver at the same level.

The wires output direction of the PBS Switch must be down so as to avoid water ingress. . The user is recommended to add a rubber ring between the PBS Switch and the Mounting Board (not provided).





Note: With strong power, the PBS Switch may fail if the receiver is too close to the emitter. Take the receiver at least 1m away from the emitter and try again. Remove the condenser lens in both emitter and receiver if the distance is too close and the PBS Switch is not so sensitive. The PBS Switch should be sheltered from direct sunlight.



TOPENS Website

www.topens.com

Any question, please do not hesitate to contact us:

E-mail: support@topens.com

Kindly include your Product Model, Purchasing Date & Site, Order #, and your contact information. All your concerns will be replied within 24 hours.

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