

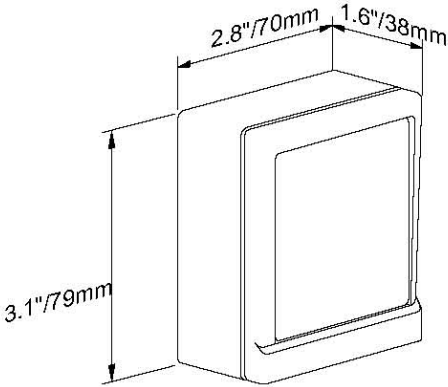
INSTRUCTION MANUAL
P44 External Photoelectric Barrier Sensor
12V – 24V AC/DC



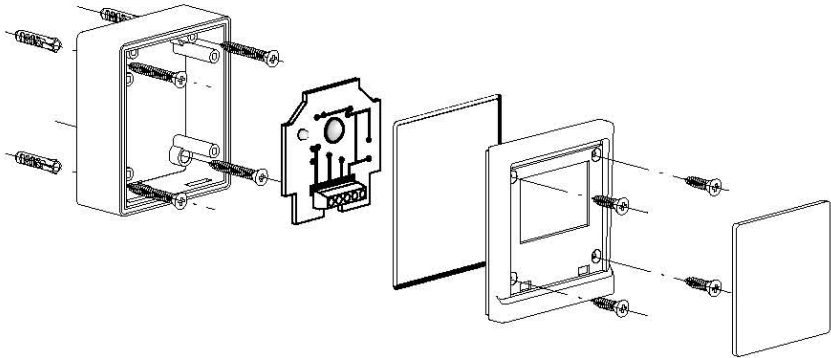
1. SPECIFICATIONS

Detection type	Through Beam Long-range
Model No.	P44
Sensing range	0.1~15m (0.3 ~ 49ft)
Supply voltage	DC 12~24V +/- 10% or AC 12 ~24 +10%
Response time	<_ 900 mS max.
Emitting element	IR LED
Operation indicator	Yellow LED
Power indicator	Green LED
Control output	Relay Contact 1c Switching capacity :AC 125V 0.5A : DC 24V 1A (Resistive load)
Environmental protection	IP54 (IEC)
Ambient temperature	-20 to +60C

2. DIMENSIONS (Unit: mm)

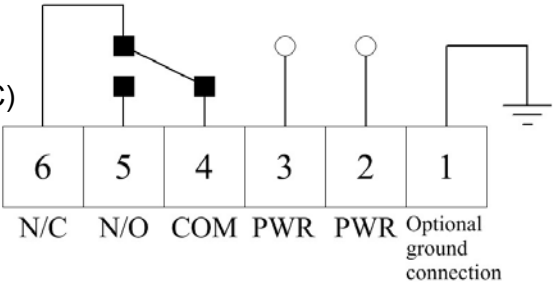


3. MOUNTING DETAIL



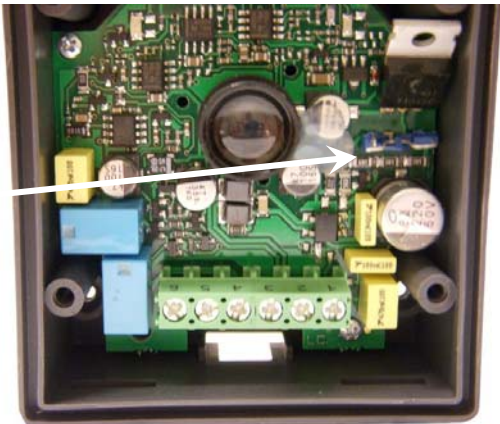
4. WIRING DIAGRAM RECEIVER (12 – 24 VAC/DC)

The transformer is powered by 9 V battery



5. OPERATING VOLTAGE SELECTION

Located right center of the receiver circuit board is a jumper (blue body) that is used to set the unit to match the power being supplied.
 OPEN sets to 24 V AC/DC
 CLOSED sets to 12V AC/DC



6. TRANSMITTER

Optional solar hook up terminal indicated by letter "A".

Edge Connector terminal hook up Indicated by the letter "B"

(From factory has a wire jumpered across 1 and 2 for continuous transmission.

Optionally terminal "B" may be hooked to an edge connector and used to wirelessly transmit to the receiver only when the edge sensor comes in contact with an obstruction.



7. CAUTIONS

- Be careful not to exceed the rated output load capacity.
- When a switching regulator is to be used with a power source of the sensor, be sure to ground the frame ground terminal to an actual ground.
- Avoid wiring together with high voltage or power line in order to prevent sensor from inductive interference.
- Avoid placement where the sensor will be directly exposed to direct fluorescent lamps with rapid-starters or high frequency starters.

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WARNING ... Not to be used for Personnel Protection

Never use product as sensing devices for personnel protection. Doing so could cause serious injury or death.

These sensors do NOT include the self-checking redundant circuitry

4564 Johnston Parkway Cleveland, Ohio 44128 .USA

Tel: 216 518-9888 Fax: 216 518-9884

Web: <http://www.emxinc.com> E-mail: salesupport@emxinc.com Technical Support: technical@emxinc.com