



Thru Beam Photoelectric Sensors



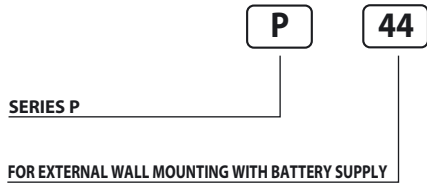
THRU BEAM PHOTOELECTRIC SENSORS WITH BATTERY SUPPLY P 44 FOR EXTERNAL WALL MOUNTING

- Low voltage 12-24 AC/DC receiver
- Battery-operated 9V emitter - 150 days minimum
- Conforming to EN 12978
- Wall mounting
- Solar cell power supply on request

P 44 Series



Identification code



Note: Each package includes emitter, receiver and the alkaline battery for the emitter.

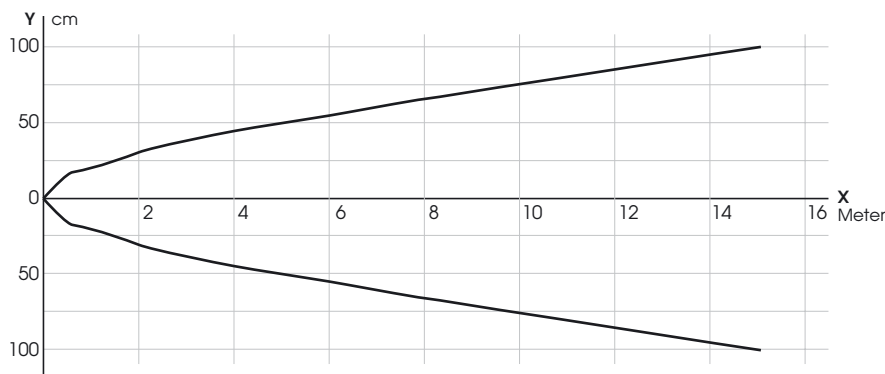
AVAILABLE	RECEIVER	EMITTER
NOMINAL SWITCHING DISTANCE (Sn)	15 m	
TOLERANCE	+10/-10 %Sn	
EMISSION	Infrared (875 nm)	
NOMINAL VOLTAGE	12-24 VAC-DC (selectable)	9V alkaline battery
FREQUENCY	50 ÷ 60 Hz	-
OUTPUT	2 Relay UNI 8612 norms	-
N° OF OPERATIONS	(5x10 ⁶ mec. op. - 100x10 ³ elect. op.)	-
MAX OUTPUT CURRENT	1A 24 VDC - 0.5A 120 VAC	-
BATTERY LIFE		150 days (min.)
ABSORPTION	70 mA	-
YELLOW LED	Output indicator	
GREEN LED	Supply indicator	
SWITCHING FREQUENCY	1 Hz	
RESPONSE TIME	≤ 900 mS	
START UP DELAY	≤ 300 mS	
TEMPERATURE LIMITS	-20 ÷ +60°C	
LIGHT IMMUNITY	> 5000 Lux ⁽¹⁾	
PROTECTION DEGREE	IP 54	
CONNECTIONS	with connectors	
HOUSING MATERIAL	Housing: nylon loaded with fiberglass - Filter: methacrylate	
WEIGHT (Approximately)	340 g	

⁽¹⁾ Determined with halogen tungsten lamp 3000° K.

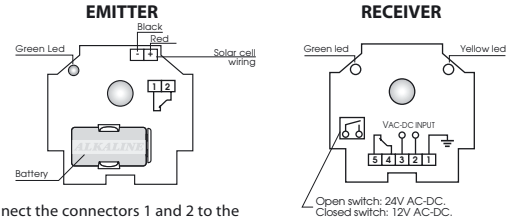
Important warning

The thru beam photoelectric sensor can be used as a sensor to detect the presence of an obstacle if the sensing beam gets interrupted.
In no case this device can substituted the obligatory safety devices that must be applied on all dangerous equipments.

Characteristics curve



Wiring diagrams

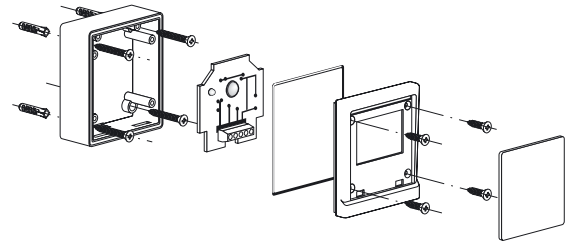


Connect the connectors 1 and 2 to the sensitive edge output contact to activate the beam emission.

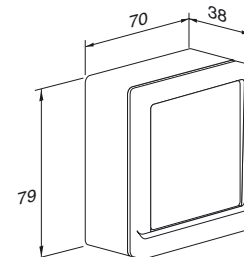
WARNING: Do not connect other supply sources to the connectors 1 and 2 or to the battery plug. The device could be irreparably damaged.

Note: Connect to ground the connector 1.

Detailed sight



Dimensions (mm)



Use with accessories

