

# Thru Beam Photoelectric Sensors



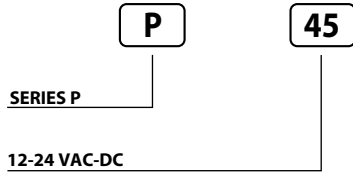
## THRU BEAM PHOTOELECTRIC SENSORS P 45 FOR EXTERNAL WALL MOUNTING

- Low voltage 12-24 VAC-DC
- 15 m range
- User friendly
- 1A relay SPDT
- Plastic housing

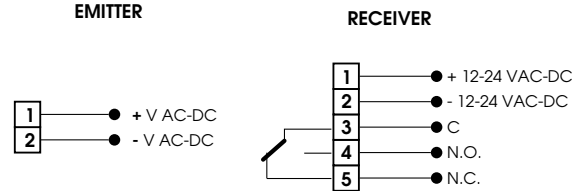
## P 45 Series



### Identification code



### Wiring diagrams

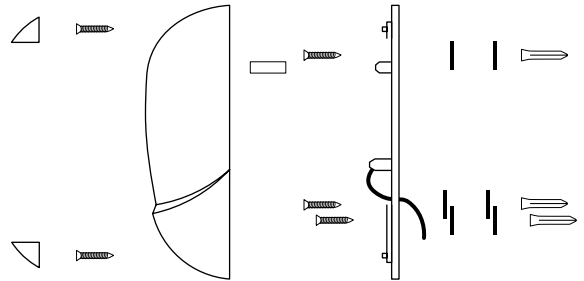


**Note:** Each package includes emitter and receiver.

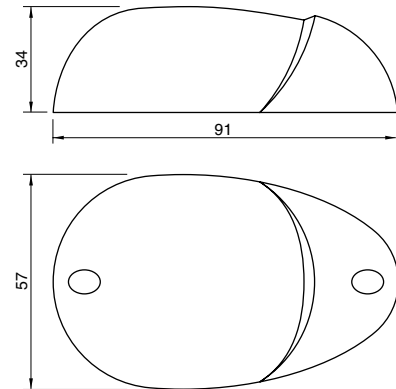
AVAILABLE	RECEIVER	EMITTER
SWITCHING DISTANCE (+/- 20%)	<b>15 m</b>	
EMISSION	Infrared (950nm)	
NOMINAL VOLTAGE	12÷24 VAC-DC	
FREQUENCY	50 ÷ 60 Hz	
OUTPUT	2 Relay UNI 8612 norms	
N° OF OPERATIONS	Mec.=5x10 <sup>6</sup> ops min. Elect. 100x10 <sup>3</sup> ops min. ( 1A 24 VDC) 1x10 <sup>5</sup> ops min. (0.5A 120 VAC)	
MAX OUTPUT CURRENT	-	
ABSORPTION	40 mA	
YELLOW LED	not present	
GREEN LED	not present	
SWITCHING FREQUENCY	5 Hz	
START UP DELAY	≤ 300 mS	
TEMPERATURE LIMITS	-10 ÷ +65°C	
LIGHT IMMUNITY	> 5000 Lux <sup>(1)</sup>	
PROTECTION DEGREE	IP 54	
CONNECTIONS	with connectors	
HOUSING MATERIAL	Housing: nylon - Filter: methacrylate	
WEIGHT (Approximately)	160 g	

<sup>(1)</sup> Determined with halogen tungsten lamp 3000° K.

### Detailed sight



### Dimensions (mm)



### 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

