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CP-PC180 / CP-PC180AV

User Manual

High immunity, 12 or 24V infrared photocells with or without anti-vandal (AV, with metal housing covers). For use as safety beams or presence detection.

The optics can be adjusted through 180 degrees horizontally, and 30 degrees vertically.

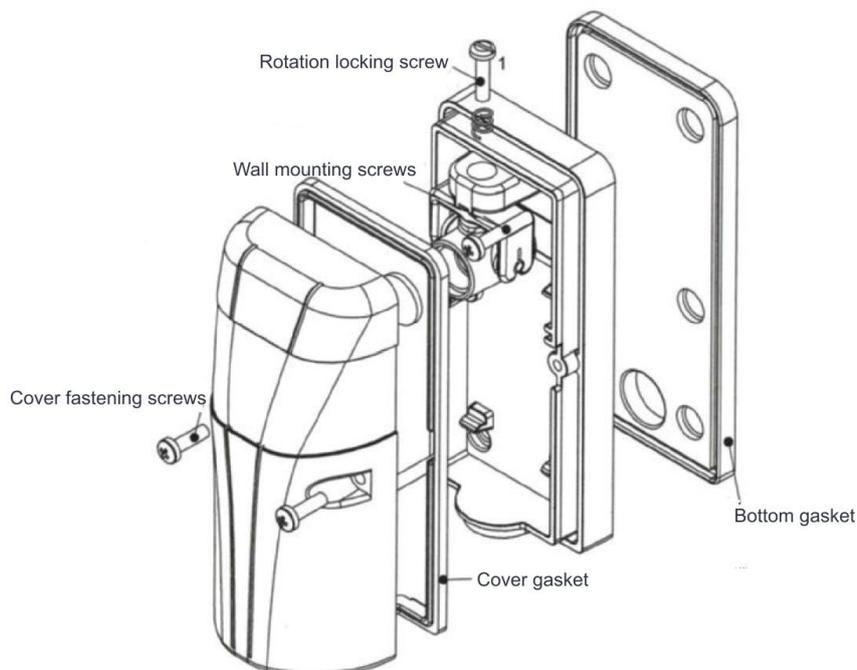
Its housings are equipped with two sealing gaskets and two fastening bolts to allow a high waterproof rating of IP55.

Specification:

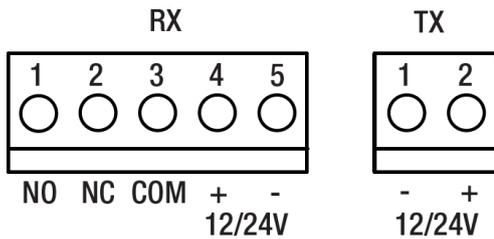
Power supply:	12/24V
TX consumption:	12Vdc: 70mA 24Vac: 65mA at 50-60Hz 24Vdc: 65mA
RX consumption:	12Vdc: 28mA 24Vac: 50mA at 50-60Hz 24Vdc: 36mA
Wave length:	950 nm
Modulation:	1.33 KHz
Relay current load:	1A @ 24Vac
IP rating:	IP55
Range:	Max 20 metres, min 1 metre
Dimensions:	100 x 45 x 45mm

Assembly:

Secure the photocell housings to the wall or columns using 4 screws, approximately 40cm from ground level, and no more than 10cm from the crushing zone. Ensure both rubber gaskets are properly fitted to maintain IP rating.



Connections:



RX Connections	
1	N.O Normally Open Relay Contact
2	N.C Normally Closed Relay Contact
3	C Common Relay Contact
4	Power 12Vdc; 24Vac/dc +
5	Power 12Vdc; 24Vac/dc -
TX Connections	
1	Power 12Vdc; 24Vac/dc +
2	Power 12Vdc; 24Vac/dc -

Optics adjustment:

The optical section of the photocells can be adjusted horizontally as well as vertically. The optical fastening system is equipped with a ring nut with small teeth that allow fixed adjustments to be made.

Should the optics be too rigid to be moved, loosen screw (1) that is above the optics to loosen the springs tension and allow adjustments to be made.

The LED on the RX signals the correct aligning of the beams. As soon as the adjustment has been correctly made, tighten the locking screw again.

Now secure the covers using the fastening screws.

