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CP-611LSR-V2.0

Laser Photocell Sensor

Specification:

7 fixed ranges plus full auto adjustment

Maximum 8M

10-30V dc 10-24V ac

Iq = 65mA, I detect = 28mA

Dimensions 37 x 36 x 108mm

Environmental rating – IP65

0.8A @ 30Vdc volt free N/O or N/C

Operating temp -10° C to 60° C



Rain shield Included

The PCB has only one orientation, no angular adjustment. Be sure the surface is perpendicular to the beam. Fix the rain hood to outside walls first, then fix the beam base plate. The device takes a four core cable through a grommet in the bottom. Two terminals for power. Two for the isolated relay contact, set to N/O or N/C.

The setting routine calibrates the range threshold, but 200mm less than the actual position of the target. Threshold can be set by DIP switch or learning. There are 7 presets 2 to 7.5M

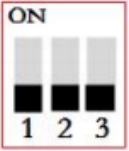
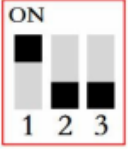
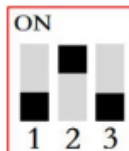
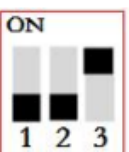
Self learning: The setting procedure will not learn a target over 8m from the device. To learn a threshold range, set all DIPs to OFF, then

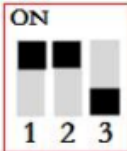
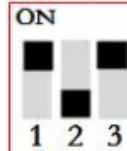
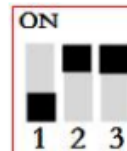
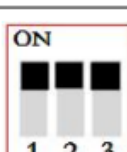
1. Place target in the beam 200mm from desired range.
 2. Power up, and wait for the beep. You now have 10secs
 3. Cross beam 5 times at 0.5m from sensor within 4 secs.
 4. There are 5 beeps, then the green light flashes rapidly
 5. Adjust the target if necessary.
 6. When the long beep sounds, the threshold is set
- Check operation by moving the target 200mm closer.
The setting will be kept on power outs, but do not wave 5 times on power up!

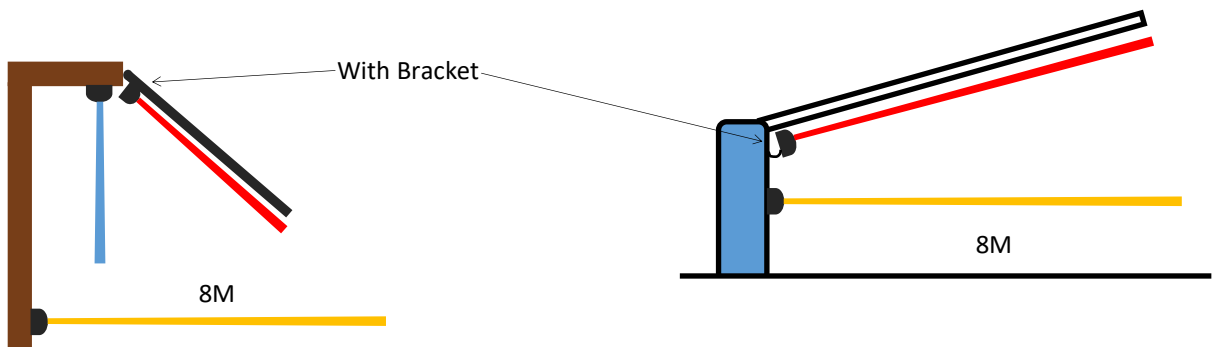


A versatile device, can be used as activation or secondary safety.

Preset dip switch settings

Configuration Distance	DIP Switch Setting
Self learning	
2m	
3m	
4m	

Configuration Distance	DIP Switch Setting
5m	
6m	
7m	
7.5m	



Heavy rain or fog may impair detection on longer range, for this reason secondary safety applications should be set to a maximum of 4 metres range.

The device does not distinguish between pedestrians and vehicles. 2 devices spaced 2 metres apart, wired in series, is advised for vehicle detection.

Keep the lens clean.