



Characteristics Multi-beam photoelectric cells

CDR-REDS

Power supply 10-30Vdc

Protection grade IP67

Blanking function

Maximum range 12m

A safety system consisting of two profiles located at the sides of the passage to detect, at various heights, any obstacles or persons and to prevent their impact with the moving part.

Such systems are particularly suited to sectional doors, sliding doors, and fast curtains, as the units can be installed on opposite sides of the opening (inside/outside) or (in the case of CDR-REDS) concealed within the tracks.

They have a range of up to 12m and a 14mm profile, 40% thinner than previous models. They have an M8 connector and the ability to be synchronised in cases where more than one pair of multi-beam photocells are installed.

The infra-red barrier adapts to various installations through an internal calibration of the range and the continuous synchronisation of each channel (beam). The angle of the infrared beam and the opening angle of the optics (+/- 10 °) facilitates and allows installation even when the profiles are not perfectly aligned.

The BLANKING function allows the units to be installed within the guide tracks of an industrial door, where door movement occurs within the protected area, interrupting beams sequentially from top to bottom. This specific function ensures that the system can distinguish between the door closing and another object, ignoring beams that are blocked by door movement and leaving only the remaining beams active at the bottom to detect an object below the door edge.

Product features CDR-REDS2.0

Multi-beam infrared barrier

A safety system consisting of two profiles located at the sides of the passage to detect, at various heights, any obstacles or persons and to prevent their impact with the moving part.

The DYNAMIC BLANKING (with sequential beam exclusion) function allows the units to be installed within the guide tracks of an industrial door, where door movement occurs within the protected area, interrupting beams sequentially from top to bottom.

This specific function ensures that the system can distinguish between the door closing and another object, ignoring beams that are blocked by door movement and leaving only the remaining beams active at the bottom to detect an object below the door edge.

Technical description

Power supply 10-30Vdc

Controlled range for gates from 1 to 12m

Height 1970 mm x 20 beams

Anodised and sealed aluminium profile IP67

Units supplied with cable (Tx 15m / Rx 5m)

Narrow profile (14 mm)



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CDR-REDS2.0 - INFRARED MODULATED BARRIERS

Multi-beam infrared barrier



GENERAL CHARACTERISTICS

Power supply	Vac/dc	10-30
Operating temperature range	°C	-20...+55
Protection grade	IP	67



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