



Characteristics Photoelectric cells with minute sensors

Infrared barriers with minute optical sensors

Power supply 12/24Vac-dc

Range from 1 to 15 metres

Protection grade (sensors) IP55

Conforms to the safety directives EN12978 in category 3 of EN ISO 13849-1 and type 2 of EN61496-2

CDR892C3 Dual-beam multiplex infrared barrier.

FTR893C3 Single-beam infrared barrier.

CDR893 Single-beam infrared barrier mounted on a rail guide DIN46277.

Suitable for the protection of passageways or spaces which are equipped with automatic installations such as lifts and automatic doors or where you wish to detect or count the passage of people or things while using the least possible space.

The infrared barriers with mini sensors are ideal for installations that need to be discreet but at the same time require the passageway to be safely and reliably protected.

The electronic circuit respects the most up to date standards and regulations and conforms to the standard 3 of the EN ISO 13849-1 (update of the EN954-1).

The necessity of guaranteeing greater ambient noise immunity has led to the evolution of both the transmitter and receiver cards. The system is based on the criteria "resistance to single failure" that guarantees the maintenance of safety in case of electrical problems.

The management of both the transmitter part as well as the receiver part is carried out by means of a micro-controller, giving the advantage of greater precision when generating the impulses transmitted via infrared that are modulated using a digital protocol thus eliminating the risk of blackout spots.

Technical description

Infrared transmission by means of digital modulation of the carrier signal.

Possibility to adjust the power of the projector by setting a jumper to one of the three available levels depending on the range that needs to be covered.

Double relays on the receiver with digital control increase the security and safety level of the output part (the part that furnishes the at rest/alarm signal).

Jumper for selecting the output contact mode (potential free, N.C. or resistance 8,2k Ω contacts).

Jumper for selecting the number of active beams (only in the dual beam model).

Product features CDR893

Single-beam photocells - single relay

Socket for mounting on a rail guide DIN46277.

Power supply 10...24Vac-dc.

Range: 4m indoors - 2m outdoors.

Transmitter cable 3 metres - Receiver cable 3 metres.

Overall dimensions 60 x 45 x 117.



> ULTIMATE CARDIN App

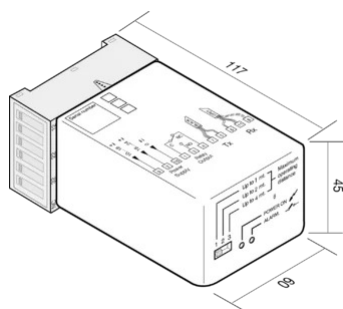
CDR893 - INFRARED MODULATED BARRIERS

Single-beam photocells - single relay

GENERAL CHARACTERISTICS

Power supply	Vac/dc	12/24
Operating temperature range	°C	-20...+55
Protection grade	IP	55

OVERALL DIMENSIONS



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