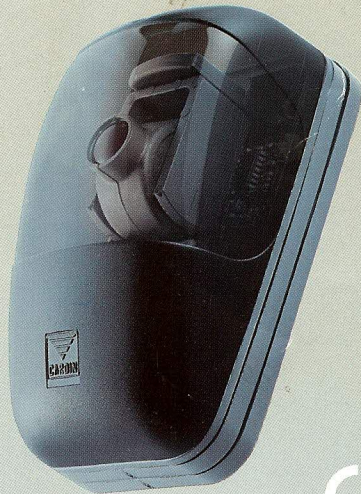


INFRARED MODULATED BARRIERS WITH ADJUSTABLE AND FIXED POSITION LENSES

CDR
CARDIN



Power supply
12/24 Vac-dc

Range
10 m

Protection grade
IP55

Operating temperature range
-10... +55 °C

PRESENTATION

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CDR999 is a next generation infrared safety system, particularly suited to the protection of passageways (traffic and pedestrian) that are fitted with automatic opening and closing systems. The electronic circuit respects the most up to date standards and regulations and conforms to the standard 3 of the UNI EN 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 individual 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 microcontroller, 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.

EVOLUTION

TECHNICAL EVOLUTION

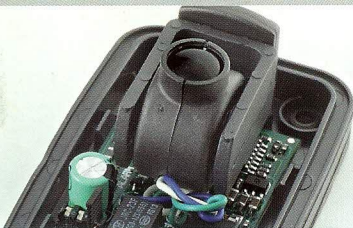
- Infrared transmission by means of digital modulation of the carrier signal
- Reception via demodulation and decoding of the protocol allowing the transmitter to be identified,
- The possibility of connecting 3 devices in an array therefore multiplexing the transmission without interference. The selection is made by means of a two-way dipswitch located on both the transmitter and the receiver that allows you to connect the transmitters together via a two-way cable (synchronism); no ulterior connection is required for the receiver.
- 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)
- Differentiated signal LEDs on the receiver indicate the "correct function" status by flashing briefly (every minute) or the "alarm" status when they remain constantly lit.
- Pre-amplified receiver lens
- Reinforced power supply allowing voltages up to 40 Vdc or 28 Vac.

adjustable lens

multiplex connection

shockproof case

rubber base



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