

RADIOBAND

SAFETY – RADIOBAND

The RadioBand system is intended to be installed together with a contact band in door installations. The RadioBand – contact band assembly creates an anti-crush safety system.

OPERATION

The RadioBand system, composed of an emitter connected to the contact band and a receiver connected to the control panel, detects the moment when both sides of the contact band touch each other, and the resistance drops. Then, the RadioBand emitter transmits radio waves that are received by the RadioBand receiver (located inside the control panel).



Figure 1. RadioBand emitter – receiver system

The radio waves used by the RadioBand system carry a unique code that the receiver recognizes to stop the movement of the door.

In addition, these waves are emitted in a frequency range that ensures low interferences and security in the transmission.

CHARACTERISTICS

- ✓ Applicable to all types of doors having resistive or electromechanical contact band, and with those using low consumption optical technologies.
- ✓ It allows to store in the same receiver up to 6 transmitter elements, 3 per relay, with the possibility of simultaneous activation.
- ✓ The system integrates the “Check” function with which the quality of the communication can be known at any time by LED indicator.
- ✓ Control of the battery condition and advising of low battery by acoustic warning on the receiver.

Characteristic	Details
Power supply	12 / 24 V AC / DC
Protection IP	IP 65 offset with cable glands.
Temperatures	-40...+85 °C
Work area	Max. 40 m; optimum 10 m.
Work frequency	868 MHz

CERTIFICATE AND STANDARDIZATIONS

The directives applicable to this system are: machinery directive 98/37/CE, low voltage directive 73/23/CEE, electromagnetic compatibility directive 2004/108/CE and directive for radio equipment and telecommunications terminals equipment R&TTE 1999/5/CE.