



security devices
systems for safety edges

Applicable to doors
roller · folding · sliding · swing
sectional · guillotine · fast · posts

RADIOBAND2G

radio-communications system
for safety edges



jcmtechnologies
be a step ahead with technology and imagination

Multifrequency communication system
by radio for security safety edge
(resistive and optical) that offers an
868 MHz bidirectional link with
autotest between the transmitter part
and the receiver.

RADIOBANDUMS · RADIOBANDCSM
RADIOBANDOC · RADIOBANDOS
RADIOBANDOCS · RADIOBANDB
RADIOBANDBC



Versatility

- Multi-technology system capable of working with 8k2 resistive safety edges, with electro-mechanical edges and with those using low-consumption optical technologies.
- Multi-frequency system for improved communications between the system devices and to avoid interference, the system includes 4 user-selectable communication channels and 1 back-up channel. The latter is enabled automatically when interference is detected in the selected 868 frequency
- The RadioBand system allows for up to 6 transmitters to be stored in one receiver: 3 per relay, with the possibility of simultaneous activation. The second relay can be used as a low battery warning.
- 2 independent inlets on the RADIOBAND/OS transmitter to connect the safety edge and the auxiliary inlet independently. The receiver will enable relay 1 or 2 depending on the inlet activated.
- The transmitter power supply is capable of operating under outdoor conditions. The transmitter equipment is supplied with two types of battery to suit application requirements. For applications operating at very low temperatures, the RadioBand transmitter can be purchased with special batteries capable of withstanding temperatures of down to -40°C. For all other applications they are supplied with standard AA-type batteries.
- The auto-test signal is not necessary to activate the low consumption, optical safety edge when the RADIOBAND/SC (current detector) is used.

Convenience

- The system requires no wiring, it uses wireless technology.
- Battery-free RADIOBAND/BC and RADIOBAND/OCS.

Security

- 868 MHz two-way radio link with auto-test and automatic checking of the range between the transmitter and the receiver.
- Real-time status verification of all system equipment, making it capable of instantly detecting a fault in any of the transmitters.
- In external RadioBand receivers connected by cable to any operating panel, 2 auto-test inputs are enabled to verify system status before any door movement. Those connected to the operating panels by card also have this function.
- Certificate of conformity with safety regulations for doors by the laboratory TUV SÜD and CE and CC product certificates.

Saving

- Saving of time and costs in the safety edge installation and maintenance process.

Reliability

- Intelligent communication system. The signal level is maintained between the transmitter and the receiver and the transmission power level is automatically adapted to improve transmission reliability and reduce consumption in situations with high communication quality.
- 10 m operating distance between the transmitter and the receiver. Although there is often up to 40 m between devices, optimum levels of the operating parameters are guaranteed at 10 m.
- The system includes the CHECK function for permanent information on communications quality via an LED.
- IP65 airtight boxes. The boxes containing the RadioBand system transmitters are fitted with 6 cover fastening points, packing glands and a seal to give an IP65 protection rating.
- This prevents any door movement in the event of a fault being detected.

