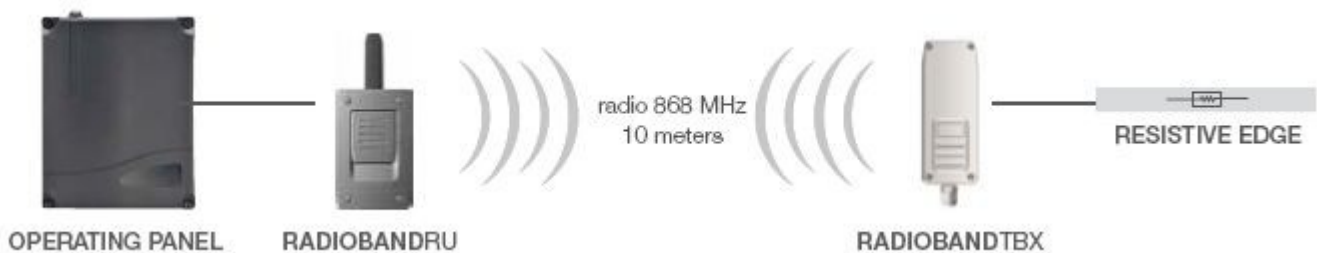
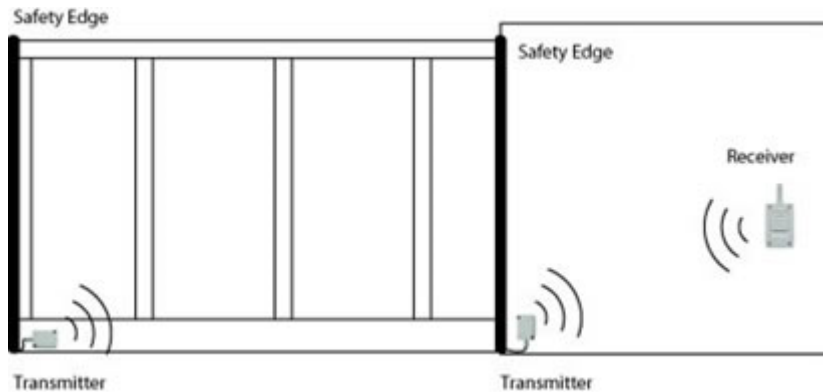


Wireless Safety Edge System - Part No. BAND-T & BAND-R



An innovative wireless radio communication system for use with safety edges, it offers a two-way 868.90 MHz radio link with self-test between the transmitter and receiver. The transmitter is connected to the gate or door safety edge and the receiver to the door or gate control panel safety input.

The transmitter and receiver are in fact transceivers and constantly communicating with each other, should any part of the system fail, the receiver will activate the safety input of the gate control panel preventing the gate from operating, the system is therefore fail safe

Applications include wireless safety edge sensors on automatic electric sliding gates, automated industrial doors, barriers, roller shutters and garage doors

- Facilitates compliance with gate and door standard EN-13241-1:2003 and EN12453, certified by approved competent body TUV in accordance with EN ISO 13849 : 2008 and EN 12978 : 2003 certificate number 44 207 10 376246 and EN12453 : 2000 and EN 954-1 certificate number 963773A
- Simplifies and reduces installation time and costs
- Two-way 868.90 MHz radio link with self-test between transmitter and receiver
- Battery powered transmitter with 2 year battery life
- Low battery warning indicator, provides an audible signal at the receiver weeks before a transmitter battery needs replacing
- Can be used with 8.2K resistive or mechanical safety edges
- The receiver has two channels, the outputs would normally connect to the opening and closing safety contacts on the gate or door control panel, up to six transmitters can be used, 3 on each channel, more than one safety edge can be connected to a transmitter



**BAND-T
Transmitter**

**BAND-R
Receiver**

Quantek Systems Ltd, 3A Laburnum Row, Torquay, TQ2 5QX, UK

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Wireless Safety Edge System - Part No. BAND-T & BAND-R

What is the difference between Cat 2 and Cat 3 with regards to EN12978:2003 and EN 954-1

Should any fault occur

Cat 3 - the controller output will immediately change state

Cat 2 - the controller output will change state at the next auto test (door / gate limits)

As far as the wireless safety edge is concerned, it will react immediately should the safety edge be activated, if a fault occurs in the safety edge / wiring, if power is lost to the transmitter or receiver, or there is disruption to the wireless link. Should an electronic fault occur that is not detected immediately, it will be detected at the next autotest which would be a maximum of 20 seconds after the fault occurred. The above should be taken into account when making a risk assessment.

RECEIVER SPECIFICATIONS	
Operating frequency	868.90MHz
Memory capacity	6 transmitters, 3 on relay 1 and 3 on relay 2
Number of relays	2
Power supply	12/24V AC/DC
Power supply range	9-35V DC, 8-28V AC
Relay contacts	1A
Power consumption	18mA (Idle) 80mA (Operating)
Self test input	0/12/24V AC/DC inputs with selectable polarity, one input for each channel (relay)
Radiated power	< 25mW
Operating temperature	-20°C to +85°C
Protection	IP54 (IP65 with cable glands)
Dimensions	82 x 190 x 40mm

TRANSMITTER SPECIFICATIONS	
Operating frequency	868.90MHz
Power supply	3V DC (2 x 1.5V LR6 AA)
Power consumption (max)	12mA
Radiated power	< 25mW
Operating temperature	-20°C to +55°C
Protection	IP67
Dimensions	140 x 55 x 20mm
Minimum range	10 metres
Battery life	2 years