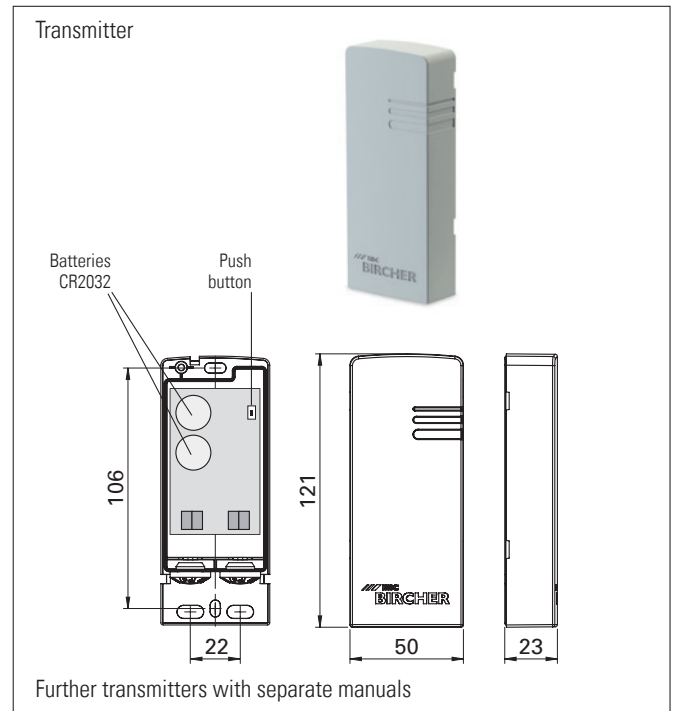
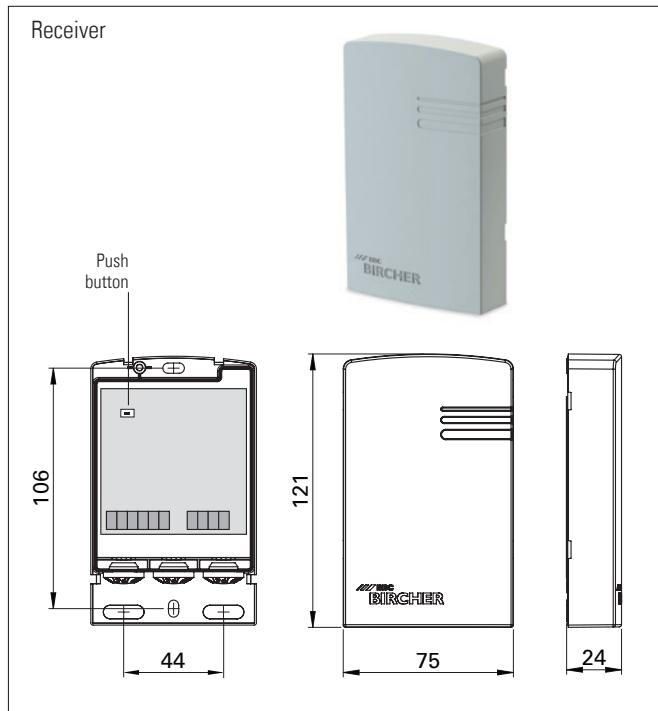


RFGate 3.2

Wireless dual channel signal transmission system for safety edges

Original operating instructions

General



1 Safety instructions



Warning: Switch off the operating voltage before working on the system. Only trained, qualified personnel may perform installation and startup. The unit may only be repaired by the manufacturer. The switching unit may only be used to protect against dangers on crushing and shearing points and on automatic industrial doors and gates (intended use). National and international regulations on industrial door and gate safety must be complied with. Always

consider the safety functions of your application as a whole, never just in relation to one individual section of the system. The installer is responsible for carrying out a risk assessment and installing the industrial door system correctly.

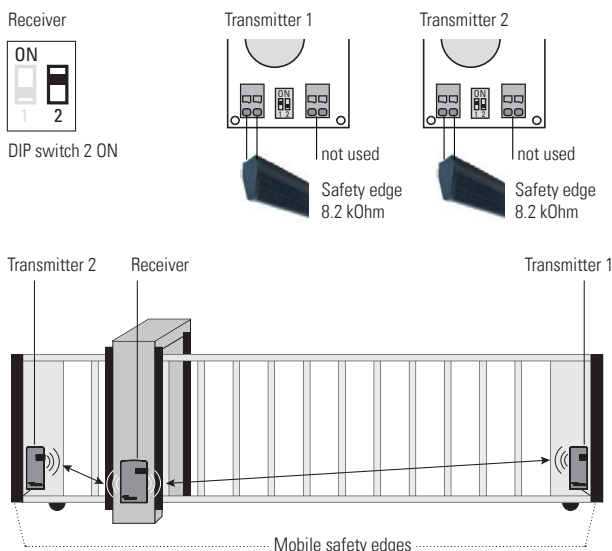


Battery life up to 2 years, but it is recommended batteries are changed every 12 months.

2 Common application

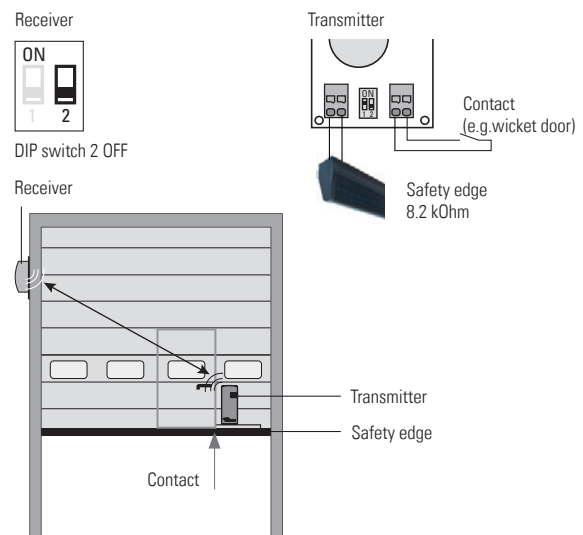
2.1 Sliding gate

- Transmitter 1 (input 1) corresponds to receiver output 1
- Transmitter 2 (input 1) corresponds to receiver output 2



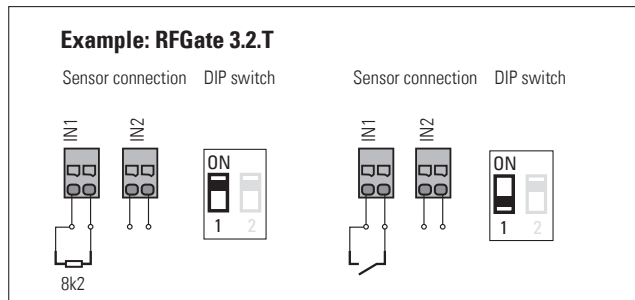
2.2 Industrial door

- Transmitter input 1 corresponds to receiver output 1
- Transmitter input 2 corresponds to receiver output 2



3 Transmitter

3.1 DIP switch setting according to sensor (safety edge, switch contact)



Further instructions see separate transmitter manuals.

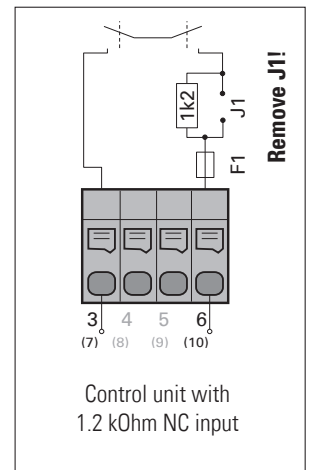
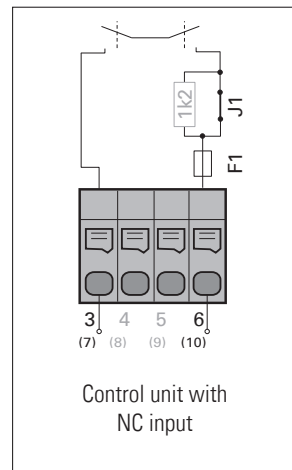
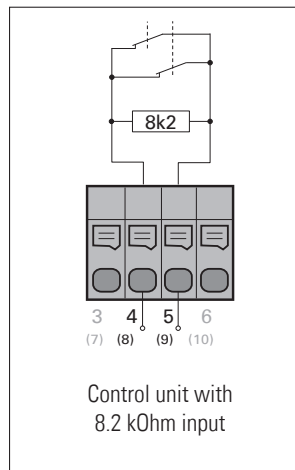
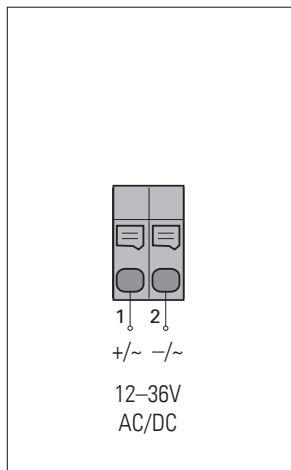
4 Receiver

4.1 Wiring: Power supply and outputs with control

Power supply

Outputs: Relay contacts are shown unpowered

① Conductor cross section 0.25 – 0.75 mm²



4.2 DIP switches

ON 1 2	* Transmission frequency 869.525 MHz
ON 1 2	868.15 MHz

* = factory setting

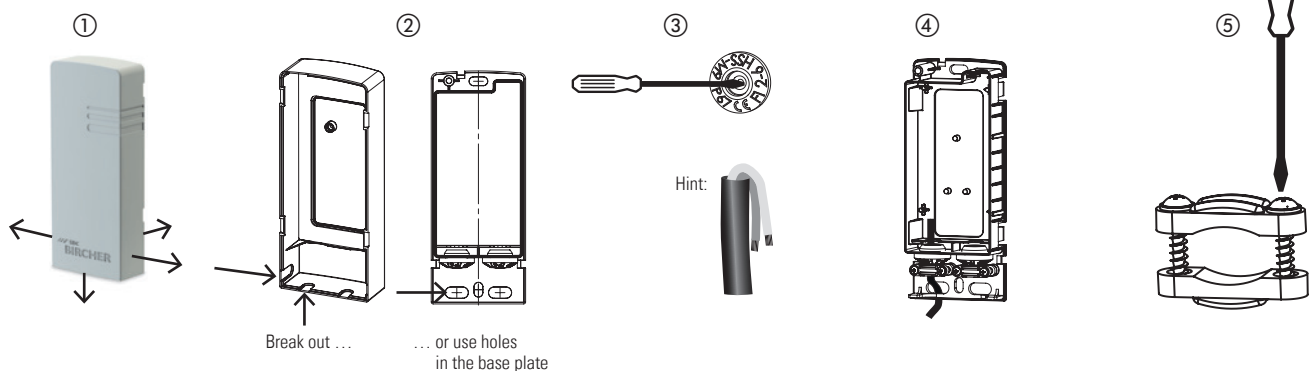
ON 1 2	* Programming at 1-ch transmitters Transmitter 1 corresponds to output 1 Transmitter 2 corresponds to output 2
ON 1 2	Programming at 2-ch transmitters Input 1 corresponds to output 1 Input 2 corresponds to output 2

* = factory setting

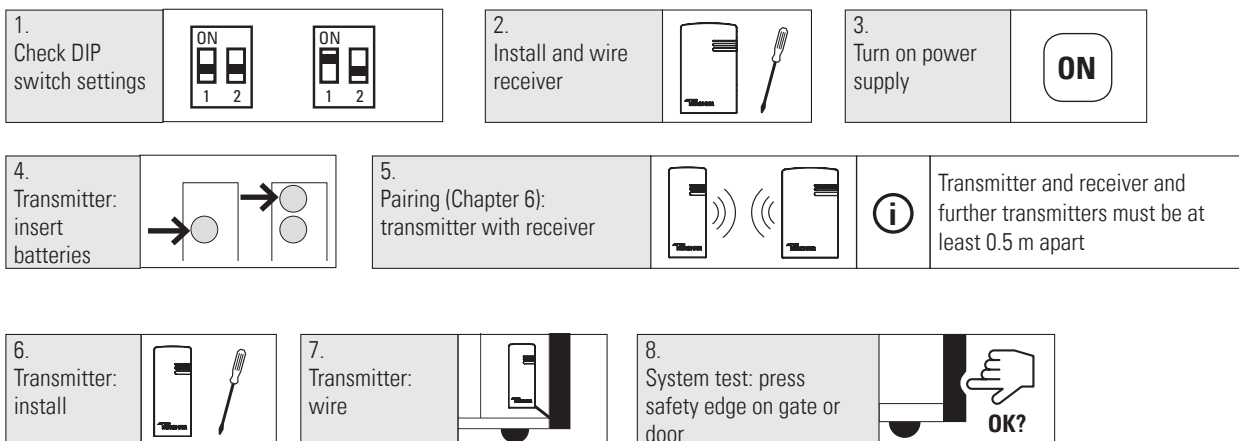
4.3 Cable routing, strain relief

- Determine the cable routing
- Break out the corresponding part of the cover if necessary
- Punch hole into the grommet

- Thread cable
- Fix cable with the clamp (→ strain relief)
- Cable Ø: 3.1 – 5.2 mm

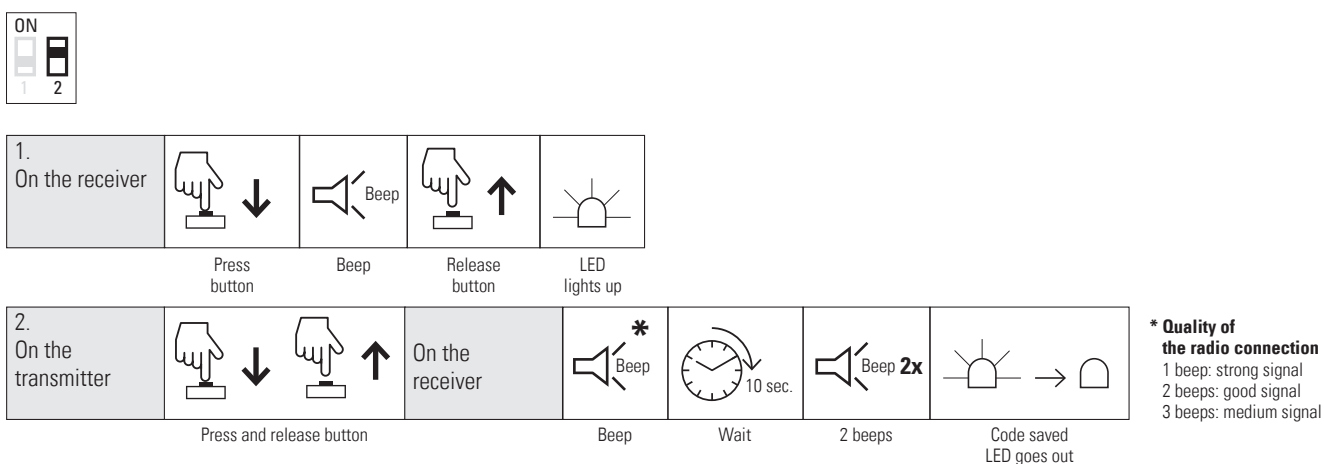


5 Installation sequence set-up

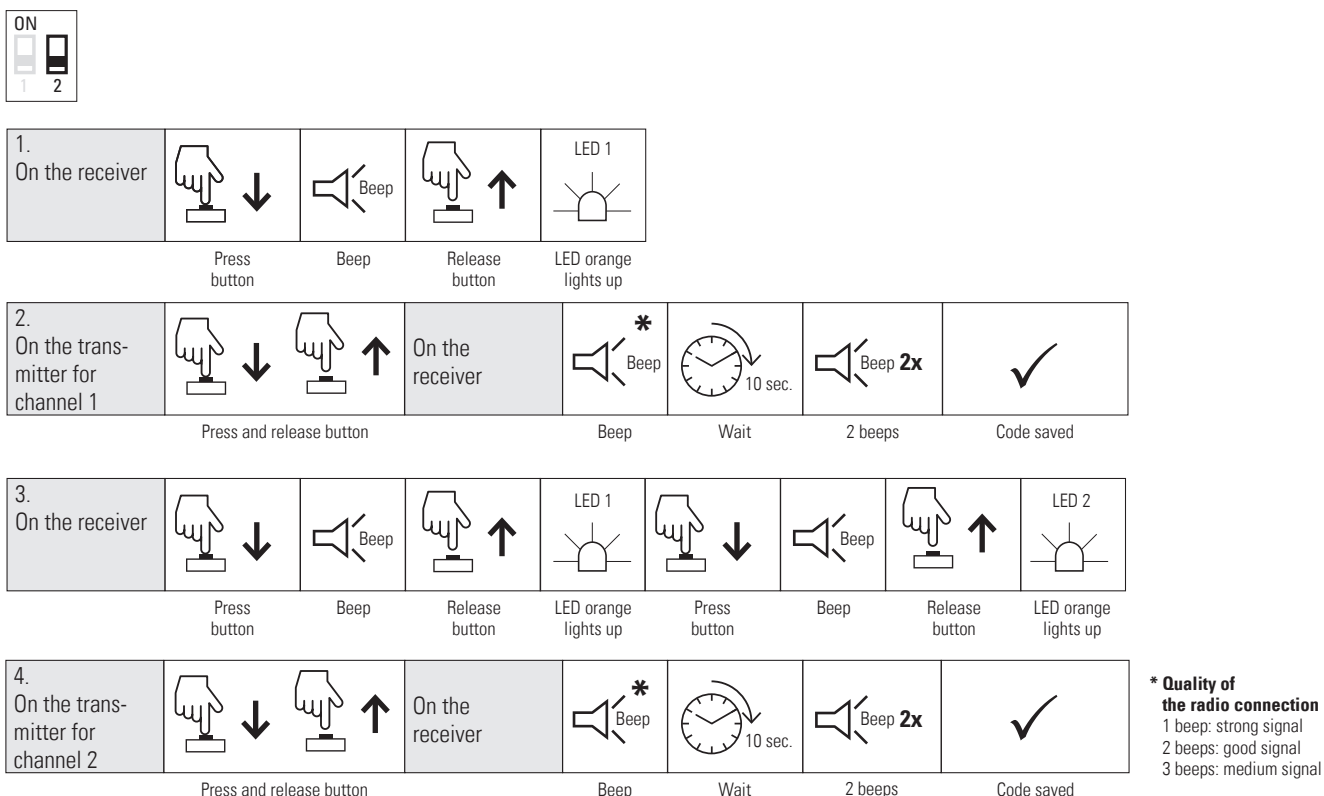


6 Programming

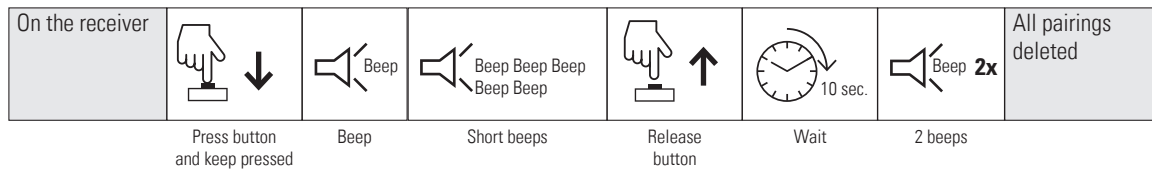
6.1 Pairing transmitter with receiver (using the first channel of different transmitters) according to application 2.1



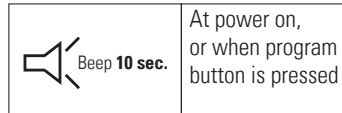
6.2 Pairing transmitter with receiver (using both channels of the transmitter) according to application 2.2



6.3 Clear pairings

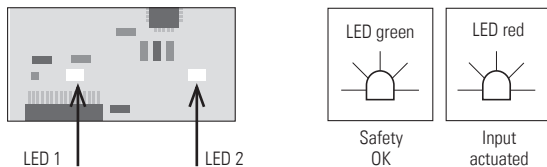


6.4 Memory full

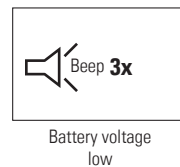


7 Standard operation

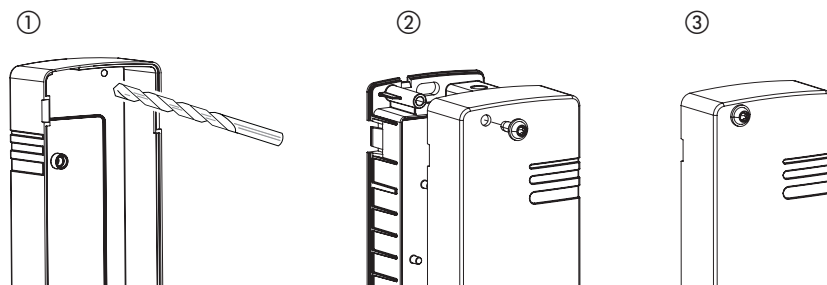
7.1 Receiver LED indicators



7.2 Warning indicator for low battery voltage



8 Optional cover fixation (against vandalism)



To avoid the cover removal without tools:
Use screw to attach the cover.

- ① Drill a hole (Ø 3.5 mm) at the marked position
- ② Close the cover
- ③ Tighten the screw (3.5 mm x 8 mm self-tapping, T15) enclosed

9 Technical data

Receiver	
Supply voltage	12–36 V ACDC
Transmitter memory	7 per channel
Outputs	2x 2 relays 24 V, 0.5 A
Power consumption	0.5 W @ 12 V; 1.2 W @ 24 V

Standard transmitter	
Battery power	2x Lithium 3 V Type CR2032
Power consumption	Transmitting: 17 mA standby: 16 µA

System	
Frequency bands	869.525 MHz & 868.15 MHz
Range	Under optimum conditions up to 100 m
Protection class IEC 60529	IP65
Working temperature	–20 °C to +55 °C

10 EU Declaration of Conformity



See attachment

11 WEEE



Devices with this symbol must be treated separately during disposal. This must be done in accordance with the laws of the respective countries for environmentally sound disposal, processing and recycling of electrical and electronic equipment.

12 Contact

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