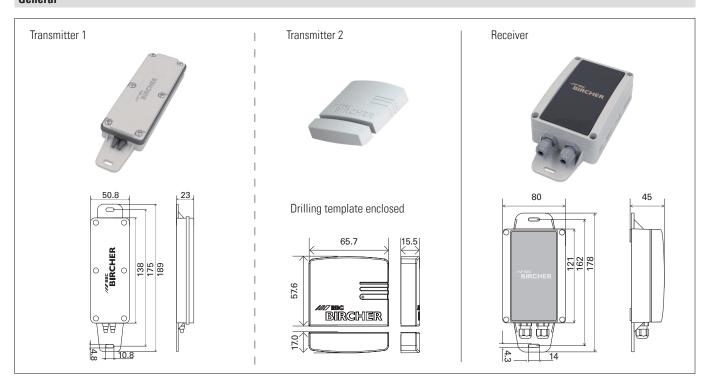
/// BBC

RFGate 2.2.W2.F.A

Wireless signal transmission system for safety edges, two channels

Translation of the original operating instructions

General



1 Safety instructions



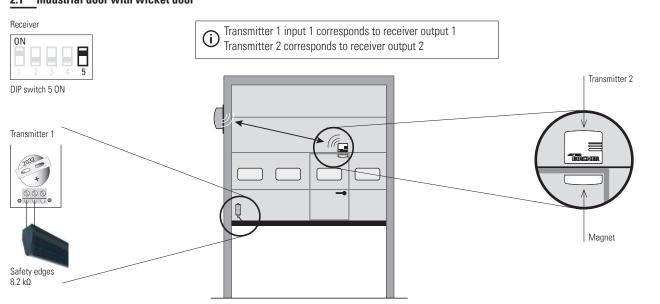
Warning: Switch off the operating voltage before working on the system. Only trained, qualified personnel may perform installation and startup. The unit may only be repaired by the manufacturer. The switching unit may only be used to protect against dangers on crushing and shearing points and on automatic 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

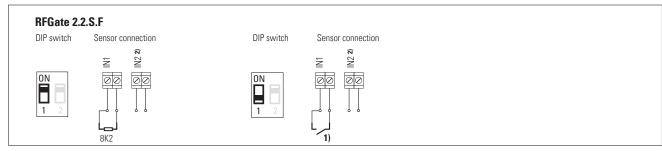
(i) It is recommended to change the batteries every year.

2 Common application

2.1 Industrial door with wicket door



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

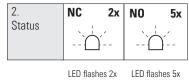


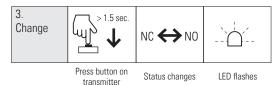
- 1) Change from NC to NO, see chapter 3.2
- 2) (i) IN2 without function

3.2 Changing input from NC to NO (factory setting = NC)

(i) Transmitter 2 is fixed to NC

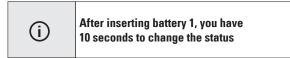






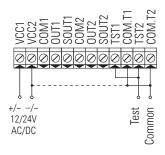






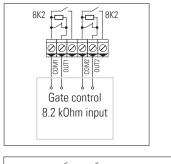
4 Receiver

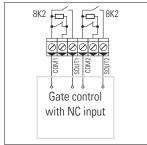
4.1 Wiring: Power supply and test inputs

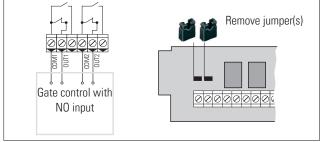


4.2 Wiring: Outputs and control

Relay contacts are shown unpowered







4.3 DIP switches

ON 1 2 3 4 5	*	Safety application Standard according to EN ISO 13849-1
ON 2 3 4 5		Inactive → no safety function (Radio connection is not monitored)
ON 1 2 3 4 5		Transmission frequency 869.85 MHz: Set DIP-switch before pairing transmitter — receiver
ON 1 2 3 4 5	*	868.95 MHz: Set DIP-switch before pairing transmitter — receiver
ON 1 2 3 4 5		Test input type NC activated = contact open
ON 1 2 3 4 5	*	NO activated = contact closed
ON		Automatic frequency adjustment Active Used only in case of severe radio disturbance
ON	*	Inactive
ON 1 2 3 4 5	*	Programming (2 transmitters) Transmitter 1 corresponds to output 1 Transmitter 2 corresponds to output 2
ON 1 2 3 4 5		Programming (for 2 channel transmitter) Not for this application

^{* =} factory setting

5 Set-up

















order

Transmitter 2: insert batteries



Programming (Chapter 6.1): pair transmitter with receiver





The distance between the transmitter and receiver and additional transmitters must be at least 1 m





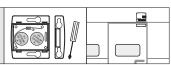
Transmitter 1: wire





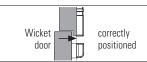
Please observe the torque when fastening the cover: Max. 45 N cm





10. Note: Distance between magnet / transmitter when doors are closed





11. System test: safety edge on gate see 7.1



System test wicket door: opening and closing see 7.1



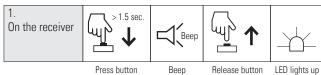
Status	Terminals COMx – OUTx	Terminals COMx – SOUTx
Sensor not activated (operating mode)	8K2	closed
Sensor activated (security system activated)	closed	open
No supply voltage	closed	open
Transmitter and receiver not paired	closed	open
Broken cable between sensor and transmitter	closed	open
Transmitter batteries low	closed	open

6 Programming

Pairing the transmitter with the receiver







On the transmitter 1 for

On the receiver



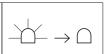
Веер



Wait

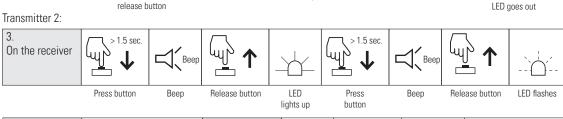


2 beeps



Code saved

channel 1



On the transmitter 2 for channel 2



Press and

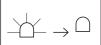
release button









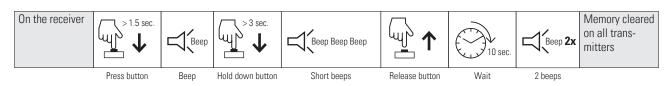


Веер

Wait

2 beeps Code saved LED goes out

Transmitter reset (Deletion of transmitter-receiver pairing) 6.2



6.3 Memory full



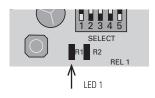
Battery change

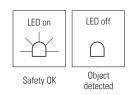


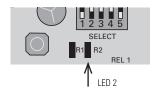


7 Standard operation

Receiver LED indicators











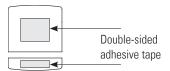
7.2 Warning indicator for low battery voltage



Signal emitted with each activation of the transmitter

Alternative installation with double sided tape (not supplied)

View of transmitter 2 (bottom)



Caution!

Ensure surfaces are clean, dry and free of dust and grease.

9 Technical data

Receiver	
Supply voltage	12/24 V ACDC
Transmitter memory	7 + 7
Output	2 relays 24 V, 0.5 A; micro switch-off 1B
Power consumption	0.5 W @ 12 V; 1.2 W @ 24 V
Test signal input	12/24 VACDC
Protection class IEC 60529	IP55

	Transmitter 1					
	Battery power	2 x Lithium 3 V type CR2032				
Ì	Power consumption	Transmitting: 17 mA standby: 16 μA				
	Protection class IEC 60529	IP55				

System		
Frequency bands	868.95 MHz & 869.85 MHz	
Range	Under optimum conditions up to 100 m	
Pollution degree	2	
Working temperature	-20 °C to +55 °C	

nitter 1	
power	2 x Lithium 3 V type CR2032
consumption	Transmitting: 17 mA standby: 16 μA
ion class IEC 60529	IP55

Transmitter 2	
Battery power	2 x Lithium 3 V type CR2032
Power consumption	Transmitting: 17 mA standby: 16 μA
Protection class IEC 60529	IP65

10 EU Declaration of Conformity



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