/// BBC

BIRCHER

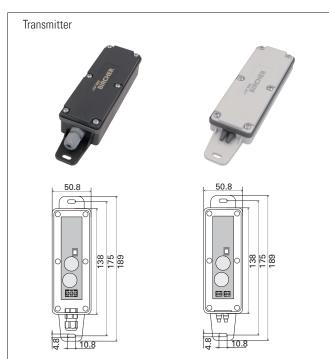
Smart Access

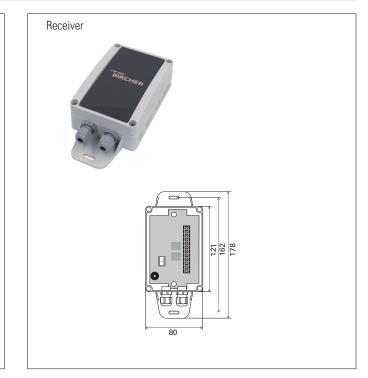
RFGate 2.2.A RFGate 2.2.NG

Wireless signal transmission system for safety edges, two channels

Translation of original operating instructions

General



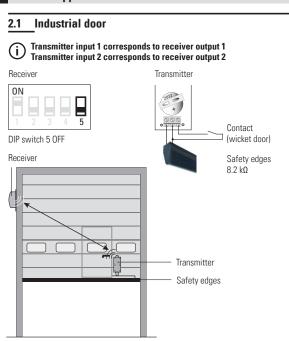


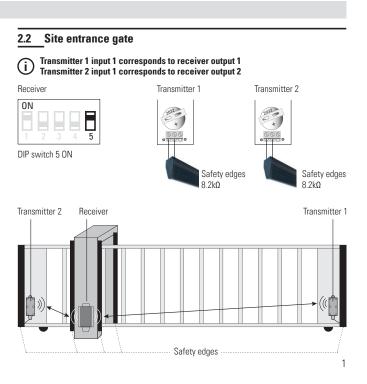
1 Safety instructions

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.

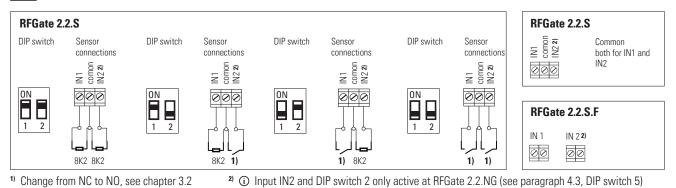
(i) It is recommended to change the batteries every year.



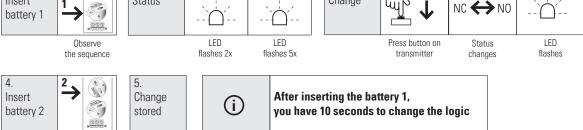


2 Common application

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



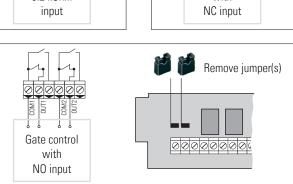
Change input from NC to NO (factory setting = NC) 3.2 1. 2. NC **2**x NO 3. 5x > 1.5 sec. Status Change Insert 1 * battery 1



8K2

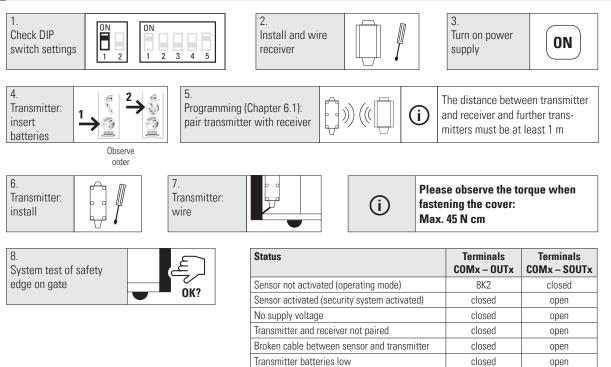
4 Receiver

4.1 Wiring: Power supply and test inputs +/~ -/~ Test Common 12/24V AC/DC 4.2 Wiring: Outputs and control Relay contacts are shown unpowered 8K2]8K2 8K2 Gate control Gate control 8.2 k0hm with input



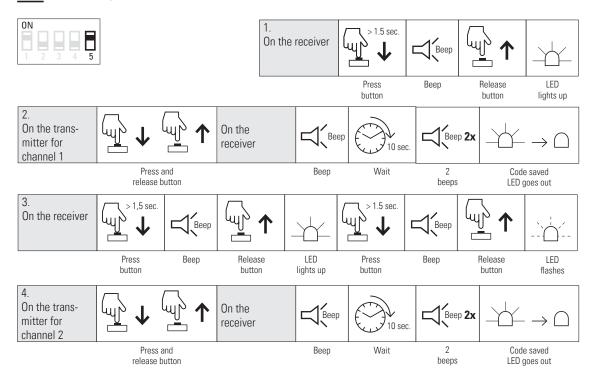
4.3 DIP switches

ON 1 2 3 4 5	*	Safety application standard according to EN ISO 13849-1
ON 1 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 1 2 3 4 5		Automatic frequency adjustment active used only in case of radio disturbances
ON 1 2 3 4 5	*	inactive
ON 1 2 3 4 5	*	Programming of RF Gate 2.2.A (2 transmitters) Transmitter 1 corresponds to output 1 Transmitter 2 corresponds to output 2
ON 1 2 3 4 5		Programming of RF Gate 2.2.NG (1 transmitter) Input 1 corresponds to output 1 Input 2 corresponds to output 2
* = factory setting		

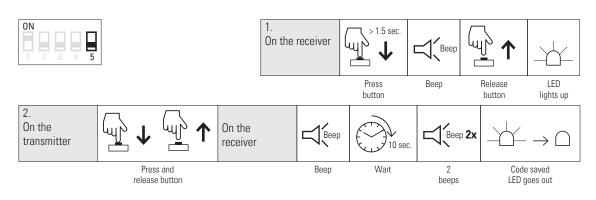


6 Programming

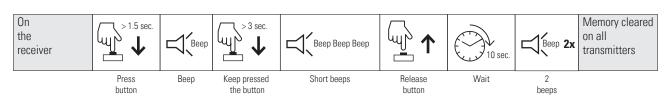
6.1 RFGate 2.2.A, pairing transmitter with receiver







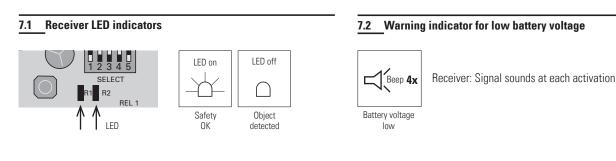
6.3 Transmitter reset



6.4 Memory full



7 Standard operation



8 Technical data

Receiver	
Supply voltage	12/24 V ACDC
Transmitter memory	7 + 7 (RFGate 2.2.A), 7 (RFGate 2.2.NG)
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

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

System Frequency bands 868.95 MHz & 869.85 MHz Range under optimum conditions up to 100 m Protection class IEC IP55 60529 IP0llution degree Pollution degree 2 Working temperature -20 °C to +55 °C

9 EU Declaration of Conformity



See attachment

10 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.

11 Contact

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