SWISSDOOR DØRTEKNIK FOR PROFESSIONELLE

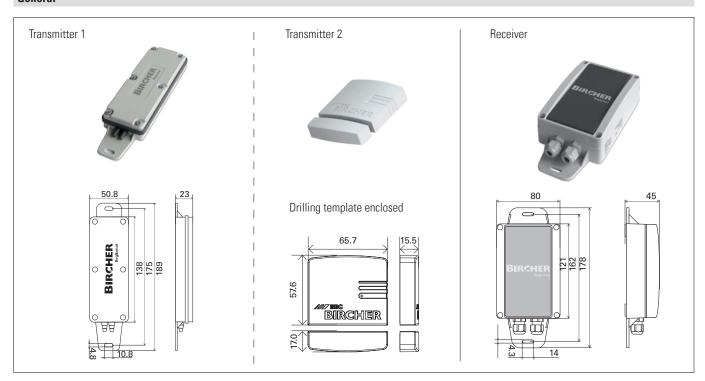
BIRCHER

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



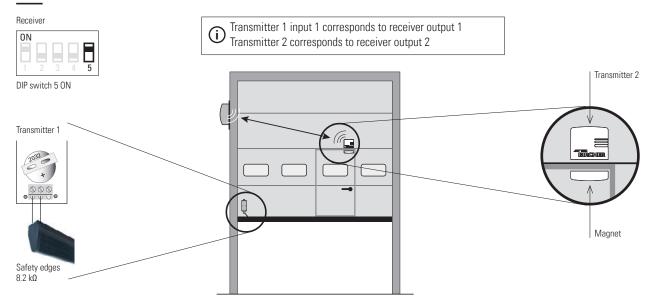
Warning: Switch off the operating voltage before working on the system. Only trained, qualified personnel may perform installation and startup. The unit may only be opened and repaired by Bircher Reglomat employees. The switching unit may only be used to protect against dangers on crushing and shearing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

tion as a whole, never just in relation to one individual section of the system. A risk assessment in advance is mandatory. The installer is responsible for installing the industrial door system correctly.

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

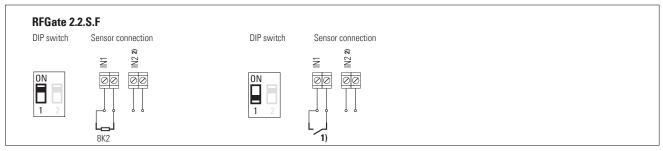
2 Common application

2.1 Industrial door with wicket door



1

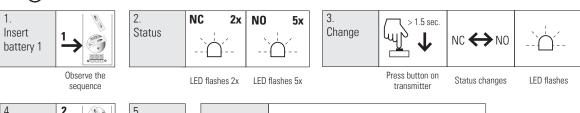
3.1 DIP switch setting according to sensor (safety edge, switching contact)



- 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





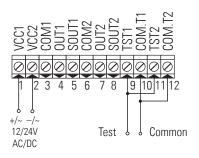




After inserting battery 1, you have 10 seconds to change the status

4 Receiver

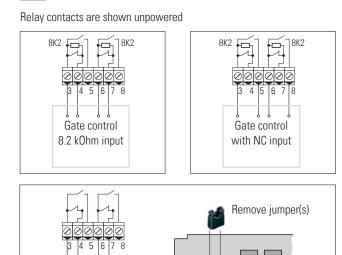
4.1 Wiring: Power supply and test inputs



4.2 Wiring: Outputs and control

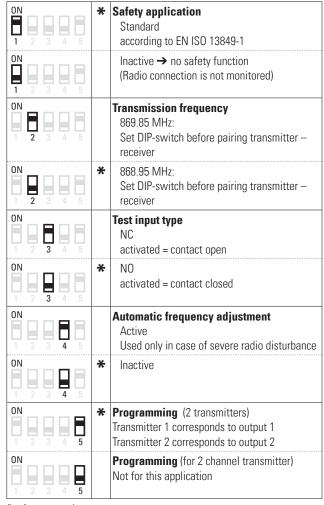
Gate control with

NO input



0000000

4.3 DIP switches



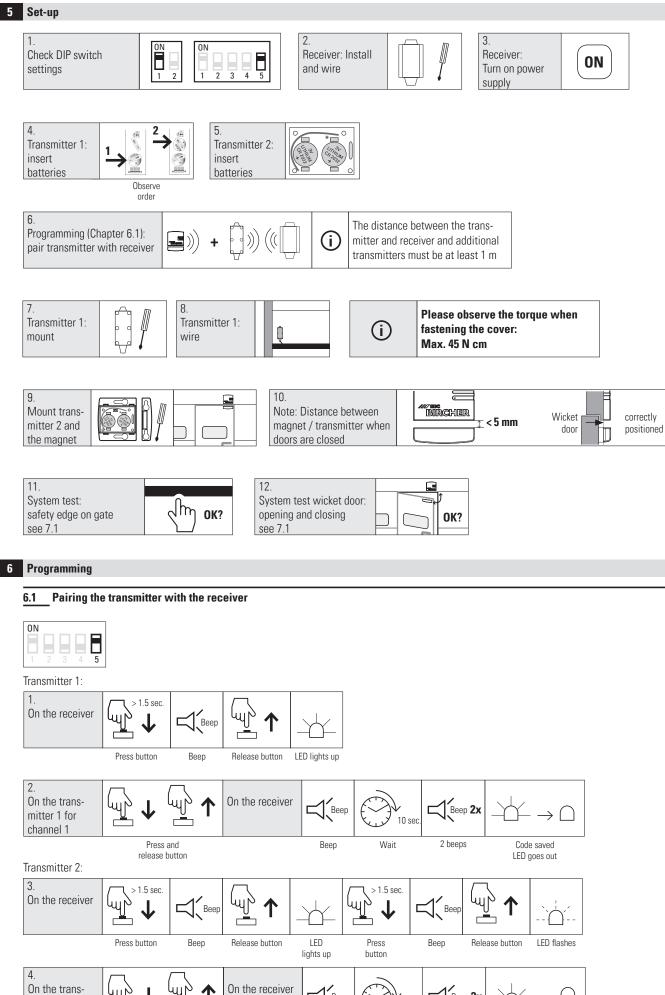
^{* =} factory setting

5 Set-up

mitter 2 for channel 2

Press and

release button



Веер

Wait

Веер

Beep 2x

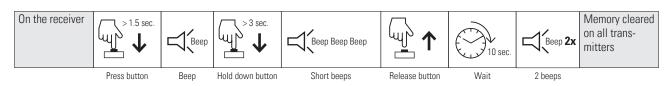
Code saved

LED goes out

2 beeps

3

Transmitter reset (Deletion of transmitter-receiver pairing) 6.2



Memory full 6.3



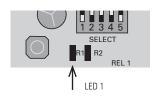
6.4 **Battery change**

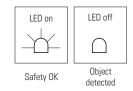


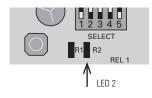


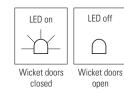
7 Standard operation

Receiver LED indicators









7.2 Warning indicator for low battery voltage

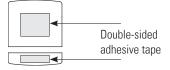


low

Signal emitted with each activation of the transmitter

8 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

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

Transmitter 1	
Battery power	2 x Lithium 3 V type CR2032
Power consumption	Transmitting: 17 mA standby: 16 μA
Protection 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 EC-Declaration of Conformity

4

Manufacturer: Bircher Reglomat AG, Wiesengasse 20, CH-8222 Beringen Following directives have been observed: MD 2006/42/EC, RoHS 2011/65/EU, RED 2014/53/EU EC type-examination certificate:

Suva, technology division, SCESp 0008, ID no. 1246 Notified inspection centre:

Product variant: RFGate 2.1.x, RFGate 2.2.x

Danish seller 11 Contact

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