

Smart Access



RFGate 2

Wireless signal transmission system for industrial doors with safety edges and wicket doors

Simple, safe, low-maintenance

- Fast and easy installation and short start-up time
- Varied applications
- High safety standard through PLc, cat. 2 in accordance with EN ISO 13849-1
- Long service life and low operating costs thanks to the wear-free signal transmission

RFGate 2

Wireless signal transmission system for safety edges on rolling, sectional and folding doors, sliding gates and telescopic gates

Safety in an instant

RFGate 2 systems securely transmit wirelessly the status of pressure-sensitive safety edges mounted on the mobile part of the gate to the switching device. Install, configure, switch on, quick program and it's ready to go.

One and two-channel

Depending on application and needs, select the one-channel (RFGate 2.1) or one of the two-channel variants (RFGate 2.2).

Also with wicket door switch

In addition, we also provide a complete solution for the parallel evaluation of wicket doors and safety edges with our compact wicket door transmitter RFGate 2.1.W2.S.



Your benefits

- Up to seven transmitters can be evaluated in parallel per channel
- Long battery life (> 2 years)
- Compatible with safety edges with 8.2 kOhm (factory setting) or sensors with NC or NO switch
- Option of automatic frequency changeover in environments with high interferences
- RFGate 2.2: two outputs to distinguish between OPEN and CLOSED direction or between safety edge and wicket door
- A slim version of the transmitter is now available, perfect for tight spaces (RFGate 2.2.S.F)

Robust housing

The robust housing of the RFGate 2.2.R.A receiver satisfies IP65.



System overview

1 transmitter

2 transmitter

1 transmitter

1 receiver

1 receiver

1 transmitter

1 receiver

1 receiver

1 receiver



Note: Up to seven transmitters (RFGate 2.1: up to ten transmitters) per channel can communicate with one receiver.

Approvals

Combined with Bircher safety edges such as CoverLine, ClickLine, etc., the RFGate 2 signal transmission systems are type tested.

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Safe in every application

Situation

BIRCHER

Rolling door, sectional door

Solution RFGate 2.1.F

Advantage

- Wear-free signal transmission even with high use gates or doors
- Slim transmitter can be easily mounted into the door construction

Situation

Sectional door with wicket door and safety edge

Solution

RFGate 2.2.W2.F.A / RFGate 2.2.NG

Advantage

- Receiver with two channels for parallel signal evaluation of safety edge and wicket door switch
- Slim transmitter can be easily mounted into the door construction

Situation

Folding door

Solution

RFGate 2.1 / RFGate 2.2.A

Advantage

Wear-free signal transmission for all safety edges

Situation

Sliding gate at site entrance, telescopic gate

Solution

RFGate 2.2.A

Advantage

- Wear-free signal transmission for all safety edges, even with large gates
- Distinction between OPEN and CLOSED direction









Order details

Article no.	Description
Sets RFGate 2.1 (one-channel)
299769	RFGate 2.1.F 1 transmitter RFGate 2.2.S.F and 1 receiver RFGate 2.1.R
250948	RFGate 2.1 1 transmitter RFGate 2.2.S and 1 receiver RFGate 2.1.R
365398	RFGate 2.1.W2 1 transmitter for wicket door RFGate 2.1.W2.S 1 receiver RFGate 2.1.R
Sets RFGate 2.2.A	(two-channel)
306921	RFGate 2.2.F.A 2 transmitter RFGate 2.2.S.F and 1 receiver RFGate 2.2.R.A
306920	RFGate 2.2.A 2 transmitter RFGate 2.2.S and 1 receiver RFGate 2.2.R.A
336806	RFGate 2.2.NG.F 1 transmitter RFGate 2.2.S.F and 1 receiver RFGate 2.2.R.A
336804	RFGate 2.2.NG 1 transmitter RFGate 2.2.S and 1 receiver RFGate 2.2.R.A
365399	RFGate 2.2.W2.F.A 1 transmitter RFGate 2.2.S.F, 1 transmitter for wicket door RFGate 2.1.W2.S, 1 receiver RFGate 2.2.R.A
Components	
340871	RFGate 2.2.S.F Transmitter (slim)
340870	RFGate 2.2.S Transmitter
361143	RFGate 2.1.W2.S Transmitter with integrated wicket door switch
250951	RFGate 2.1.R Receiver (one-channel)
306923	RFGate 2.2.R.A Receiver (two-channel)

Supplementary products

Cumplementer un reducte	
Supplementary products	
ClickLine Electrical safety edge, rubber profiles with click-foot	-
CoverLine Electrical safety edge, rubber profiles for sidewise clicking	14.5
EsGate 2/3 Cat. 2/3 switching devices for sensors such as electrical safety edges	
AirMission 1.T Transmitter with integrated pressure wave switch	

Note

Technical details and recommendations concerning our products are based on experience and are an aid for the orientation of the user. Details stated in our brochures and data sheets do not guarantee special properties of the products. This does not apply to special product properties confirmed by us in writing or individually. Subject to technical alterations.

Technical data

i1 × 36 mm i8 × 16 mm 7 × 16 mm i1 × 36 mm i0 × 45 mm 2 22.S.F/RFGate 2.2.S m batteries 3 V (CR2032) rears itting: 17 mA p mode": 16 μA im or NC/NO switch MHz / 869.85 MHz		
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RFGate 2.1.W2.S		
m batteries 3 V (CR2032)		
/ears		
e 2.1.R RFGate 2.2.R.A		
4 VAC/DC -10% /+20%		
W at 12 V / 1.2 W at 24 V		
7 per channel		
2		
, 1 A, NO, with 8k2 paraller as option		
2		
ectrically isolated NC or justable with DIP switch)		
Electrically isolated NC or NO (adjustable with DIP switch)		
IP55		
–20°C to +55°C		
-40°C to +80°C		
< 95%, non-condensing		
100 m under optimum conditions		
Bidirectional		
< 5 dbm / 3 mW		
< 5 dbm / 3 mvv Option of automatic		
of automatic		

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