



Smart Access





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

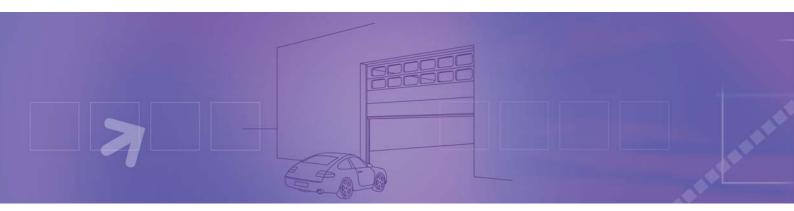
RFGate 2 systems securely transmit wirelessly the status of pressure-sensitive safety edges mounted on the mobile part of the gate to the switching device. Install, configure, switch on, quick program and it's ready to go.

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

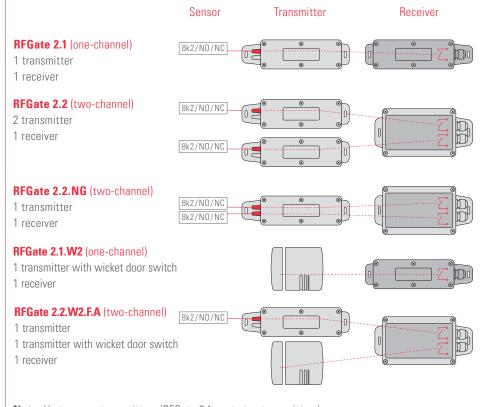
- Up to seven transmitters can be evaluated in parallel per channel
- Long battery life (> 2 years)
- Compatible with safety edges with 8.2 kOhm (factory setting) or sensors with NC or NO switch
- Option of automatic frequency changeover in environments with high interferences
- RFGate 2.2: two outputs 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



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



Safe in every application

Situation

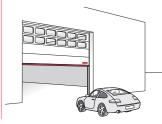
Rolling door, sectional door

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

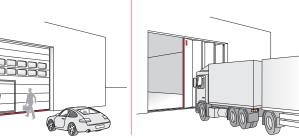
Sliding gate at site entrance, telescopic gate

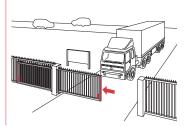
Solution

■ 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	1	
365399	RFGate 2.2.W2.F.A 1 transmitter RFGate 2.2.S.F, 1 transmitter for wicket door RFGate 2.1.W2.S,		

Components			
340871	RFGate 2.2.S.F Transmitter (slim)	J	
340870	RFGate 2.2.S Transmitter		
361143	RFGate 2.1.W2.S Transmitter with integrated wicket door switch	9	
250951	RFGate 2.1.R Receiver (one-channel)		
306923	RFGate 2.2.R.A Receiver (two-channel)		

1 receiver RFGate 2.2.R.A

Supplementary products

ClickLine

Electrical safety edge, rubber profiles with click-foot

CoverLine

Electrical safety edge, rubber profiles for sidewise clicking

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

Device dimensions (W x H x D)

 RFGate 2.2.S.F (Transmitter slim)
 190 × 51 × 23 mm

 RFGate 2.2.S (Transmitter)
 190 × 51 × 36 mm

 RFGate 2.1.W2.S (Transmitter)
 66 × 58 × 16 mm

 RFGate 2.1.W2.S (Magnet)
 66 × 17 × 16 mm

 RFGate 2.1.R (Receiver)
 190 × 51 × 36 mm

 RFGate 2.2.R.A (Receiver)
 178 × 80 × 45 mm

Electrical data

RFGate 2.2.S.F/RFGate 2.2.S
2 lithium batteries 3 V (CR2032)
Typ. 2 years
Transmitting: 17 mA in "sleep mode": 16 µA
8.2 kOhm or NC/NO switch
868.95 MHz / 869.85 MHz
RFGate 2.1.W2.S
2 lithium batteries 3 V (CR2032)
Typ. 2 years

 Supply voltage
 12-24 VAC/DC -10% /+20%

 Power consumption
 0.5 W at 12 V / 1.2 W at 24 V

0.5 W at 12 V / 1.2 W at 24 V 10 7 per channel 1 2

RFGate 2.1.R RFGate 2.2.R.A

Relay 24 VDC, 1 A, NO, with 8k2 parallel resistor as option

Displays: LED red (safety edges not actuated) 2

2 2

Test input for RFGate 2.1.R

Non-electrically isolated NC or NO (adjustable with DIP switch)

Test input for RFGate 2.2.R.A

Electrically isolated NC or NO (adjustable with DIP switch)

Ambient conditions

Receiver, switching device

Transmitter memory

Outputs

Protection category	IP55
Protection category (RFGate 2.1.W2.S)	
Operating temperature	
Storage temperature	
Air humidity	<pre></pre>

General data

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Range	100 m under optimum conditions
Communication	Bidirectional
Radiated power	< 5 dbm / 3 mW
In environments with high interferences	Option of automatic frequency changeover (DIP switch)
Low battery indication	Acoustic and optical (LED)
Approvals	EN 300 220, EN 301 489 EN ISO 13849-1

Note

Additional technical data can be found on our data sheets.

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