

# RFGate 2.1

250948C

DATASHEET

Radio transmission system, consisting of 1 transmitter RFGate 2.2.S and 1 receiver RFGate 2.1.R

## General data

Channels	1
Input	Programmable for safety edge (8k2) / NC / NO
Range	100 m at optimum conditions
Communication	Bidirectional
Frequency bands	868.95 MHz / 869.85 MHz
Radiated power	< 5 dbm / 3 mW

## Mechanical data

### Transmitter

Material (housing)	Polyamide dark grey
Connection	3 screw terminals

## Electrical data

### Transmitter

Supply voltage	2 Lithium batteries 3V (CR2032)
Battery life	Typ. 2 years
Current consumption	Transmitting: 17mA; idle state: 16µA
Input	Programmable for safety edge (8k2) or contact NC or NO
Available codes	65'536
Dip-switches	Factory setting: ON, OFF, see picture

## Mechanical data

### Receiver

Material (housing)	Polycarbonate smoke-coloured
Connection	7 screw terminals

## Electrical data

### Receiver

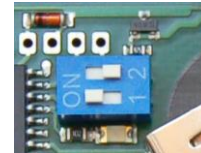
Supply voltage	12–24 VAC/DC –10% / +20%
Power consumption	0.5 W at 12 V / 1,2 W at 24 V
Transmitter memory	10 transmitters
Output	Relay 24 VDC, 1A; with parallel resistance 8,2 kOhm as option
Test input	To be provided by a galvanically isolated contact NC or NO
Display	(adjustable with DIP-switch)
Dip-switches	2 LEDs (status output; programming)
Low battery indication	4; factory setting: ON, OFF, OFF, OFF, see picture
Factory setting Dip-switches	Acoustical and optical

## Ambient conditions

Protection category	IP55
Operating temperature	-20°C to +55°C
Storage temperature	-40°C to +80°C
Rel. air humidity	< 95%, non-condensing
Approvals	EN 300 220, EN 301 489 EN ISO 13849-1 (PL c, Cat.2, MTTfd 28.8)



Transmitter



Receiver



**Scope of Delivery:**

One RFGate 2.1 includes:

- 1 340870 RFGate 2.2.S Transmitter, housing with cable gland, 1 screw inserted
- 1 250951 RFGate 2.1.R Receiver, housing with cable gland, 6 screws inserted
- 2 Batteries CR2032
- 1 Manual de (289939)
- 1 Manual en (290260)
- 1 Manual fr (290262)
- 1 Manual it (290263)
- 1 Manual nl (290264)
- 1 Manual sv (290265)
- 1 Plastic bag with 5 screws to fix the cover and 4 screws for mounting

Packed in a cardboard box 195 x 100 x 56 mm

**Dimensions (transmitter and receiver):**

