

# RFGate 3.1

Part No. 367667A

DATASHEET

## Single channel Radio Transmission System

### System with one receiver and one transmitter

#### General data

Frequency bands	868.15 MHz / 869.525 MHz
Range in m	100 at optimum conditions
Communication	Bidirectional
Radiated power	< 5 dbm / 3 mW

#### Receiver

#### RFGate 3.1.R

Dimensions	120 x 50 x 23 mm
Material (housing)	ASA light grey
Terminals	6, push-in spring connection conductor cross section 0.25 – 0.75 mm <sup>2</sup>
Supply voltage	12-36 VAC/DC
Power consumption	0,5 W at 12 V / 1,2 W at 24V
Transmitter memory	7 transmitters
Output	2 relays 24 VAC/DC, 1 A
Options	with parallel resistor 8,2 kOhm with serial resistor 1,2 kOhm (jumper)
Display	LED bicoloured (status output, programming)
Low battery indication	Acoustical and optical
Indication about the quality of the radio transmission	Acoustical
Dip-switch (frequency band)	factory setting: OFF

#### Transmitter

#### RFGate 3.2.T

Dimensions	120 x 50 x 23 mm
Material (housing)	ASA light grey
Terminals	4, push-in spring connection conductor cross section 0.25 – 0.75 mm <sup>2</sup>
Supply voltage	2 Lithium batteries 3V (CR2032)
Battery life	Typ. 2 years (type RENATA)
Current consumption	Transmitting 17mA; idle state 16µA
Available codes	65'536
Display	LED blue (flashes when actuated)
Dip-switches (8k2 / NO-NC)	2, factory setting: ON, OFF

#### Ambient conditions

Protection category	IP65
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 (PLd, Cat.3, MTTFD 49)

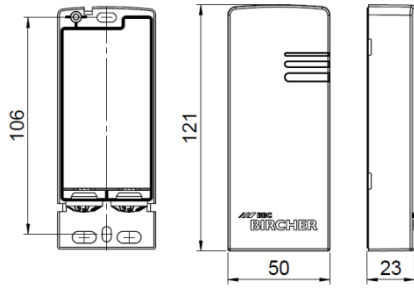
#### Scope of Delivery:

Receiver, transmitter, 2 batteries  
2 x 6 instruction manuals (DE, EN, FR, IT, NL, SV), mounting material



**Dimensions:**

Receiver



Transmitter

