



AirMission 1

Part No. 350233A

DATASHEET

1-Channel Radio Transmission System

System with transmitter with integrated pressure wave switch

General data

Frequency bands	868.95 MHz / 869.85 MHz
Range	100 m at optimum conditions
Communication	Bidirectional
Radiated power	< 5 dbm / 3 mW

Transmitter

AirMission 1.T

Dimensions	95 x 73 x 56 mm
Material (housing)	ABS grey
Air hose connector	Ø 3 mm for 2/4 mm hose
Supply voltage	2 Lithium batteries 3V (CR2032)
Battery life	Typ. 1.2 years
Current consumption	Transmitting 17mA; idle state 16µA
Reaction time	Typ. 25 ms
Available codes	65'536
Response pressure	2 ± 0.5 mbar
Max. pressure	150 mbar
Pressure equalisation	110 ml/min. at 2 mbar
Mechanical service life	10 million switchings

Receiver

RFGate 2.1.R

Dimensions	189 x 50.8 x 36 mm
Material (housing)	Polycarbonate smoke-coloured
Connection	7 screw terminals
Supply voltage	12-24 VAC/DC -10% / +20%
Power consumption	0,5 W at 12 V / 1,2 W at 24V
Transmitter memory	10 transmitters
Output	Relay 24 VAC/DC, 1 A
As option	With parallel resistor 8,2 kOhm
Display	2 LEDs (status output, programming)
Low battery indication	Acoustical and optical

Ambient conditions

Protection category Transmitter	IP 54
Protection category Receiver	IP 55
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 (PLc, Cat.2, MTTF _D 28.8)

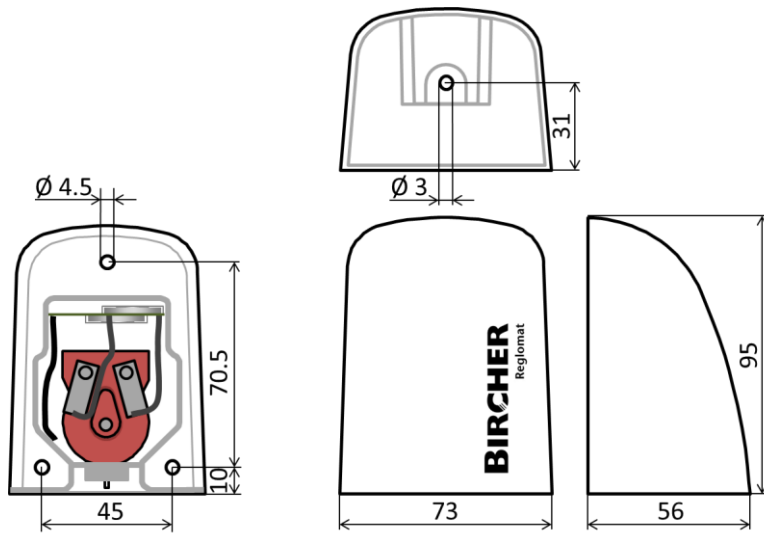
Box contents:

Transmitter, receiver, 2 batteries, 8 instruction manuals (DE, EN, FR, IT, NL, SV, DA, ES), mounting material



Dimensions

Transmitter:



Receiver:

