

# AirMission 2.W2

Part No. 365540A

## 2-Channel Radio Transmission System

### System with two transmitters (one with pressure wave switch, one with wicket door 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 1

#### AirMission 1.T (with integrated pressure wave switch)

|                         |                                    |
|-------------------------|------------------------------------|
| 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              |

#### Transmitter 2

#### RFGate 2.1.W2.S (with integrated wicket door switch)

|   |                                    |
|---|------------------------------------|
| Material (housing)                        | ABS light grey                     |
| Supply voltage                            | 2 Lithium batteries 3V (CR2032)    |
| Battery life                              | Typ. 2 years                       |
| Current consumption                       | Transmitting 17mA; idle state 16µA |
| Switching distance (transmitter – magnet) | 5 mm                               |

#### Receiver

#### RFGate 2.2.R.A

|                        |                                     |
|------------------------|-------------------------------------|
| Material (housing)     | Polyamide grey                      |
| Connection             | 12 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     | 7 transmitters per channel          |
| Outputs                | 2 Relays 24 VAC/DC, 1 A             |
| As option              | With parallel resistor 8,2 kOhm     |
| Display                | 3 LEDs (2 status outputs, 1 progr.) |
| Low battery indication | Acoustical and optical              |

#### Ambient conditions

|                                   |   |
|-----------------------------------|---|
| Protection category Receiver      | IP55  |
| Protection category Transmitter 1 | IP54  |
| Protection category Transmitter 2 | IP30  |
| 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<br>EN ISO 13849-1 (PLc, Cat.2, MTTFD 28.8) |

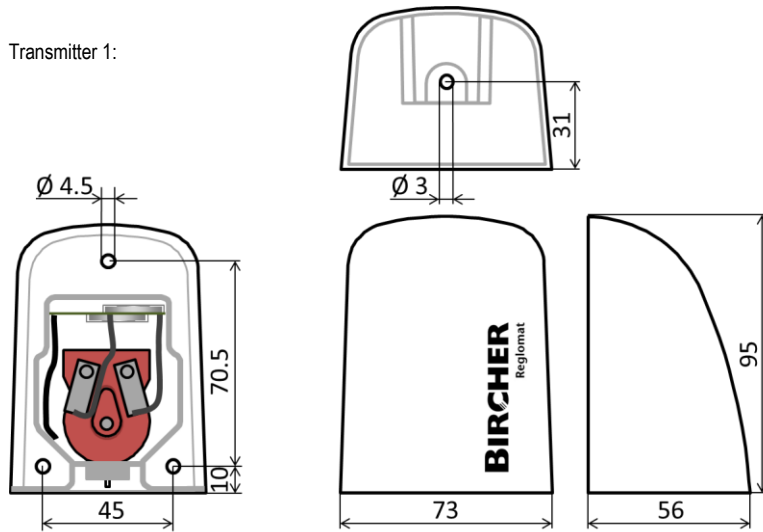
#### Box contents:

Transmitter for pneumatic pressure wave profile, Transmitter with magnet, 4 Batteries, Receiver, 8 instruction manuals (DE, EN, FR, IT, NL, SV, DA, ES), drilling template and mounting material

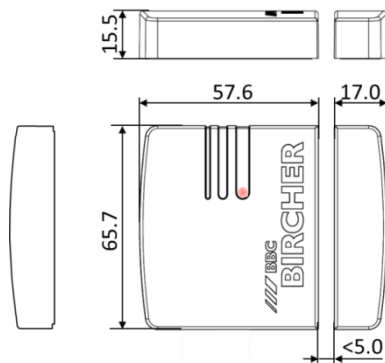


Dimensions

Transmitter 1:



Transmitter 2:



Receiver :

