**XRF-T.2**

Transmitter to XRF wireless transmission system

**Original operating instructions**

**Intended use:** Monitoring 1 or 2 safety edges and switches on doors and gates, in combination with a receiver XRF

---

**Safety instructions**

- Read these operating instructions thoroughly before putting the device into operation and keep them for future reference.
- Do not use this product other than for its specified application.
- Only trained and qualified personnel may install and initialize the device.
- Only authorized factory personnel may perform hardware/software changes or repairs to the product.
- Failure to follow these safety precautions may cause damage to sensor or objects, serious personal injury, or death.
- It is the responsibility of the equipment manufacturer to carry out a risk assessment and to install the system, in compliance with applicable local, national and international regulations, safety standards, codes and laws as well as the Machinery Directive 2006/42/EC, should this apply.
- Always consider the safety functions of your applications as a whole, never just in relation to one individual section of the system.

---

**1 Installation (Cable routing, strain relief)**

1. Determine the cable routing
2. Break out the respective part of the cover if necessary
3. Punch hole into the grommet
4. Insert cable

---

**2 Wiring / set-up**

### 2.1 DIP switch setting

DIP switch setting according to sensors (safety edge, switch)

A change of the DIP switch will be confirmed by a (slightly delayed) flash of the LED

- **Wire cross section 0.25 – 0.75 mm²**

---

**Note:**

IN2 is only active when used with a dual channel receiver (see receiver manual)
2.2 How to change inputs from NC to NO (factory setting = NC) / not for 8k2 applications

| 1. | Insert battery |
| 2. | Status | 2x = NC | 4x = NO |
| 3. | Change | 1.5 sec. | NC ↔ NO | 4x = NO | 2x = NC |
| 4. | Change stored | Press button on transmitter | Status changes | LED flashes | Wait |

Note: When using the NC inputs the wiring with the sensor must be permanently installed and protected against external damage according to EN ISO 13849-2 Tab. D.4.

3 Pairing

Pairing is possible with open cover or later in mounted situation.

3.1.a Pairing at open state

After initiating pairing on Rx (see receiver manual), press button

3.1.b Pairing in mounted state

After initiating pairing on Rx (see receiver manual), press the edge two times within 2 sec.

3.2 System check (mandatory after each set-up)

The LED flashes when activating the sensor element (pressing the sensing edge) and flashes again when releasing the sensor element. Does the door/gate stop when the sensing element is activated?

4 Trouble shooting

4.1 Warning indicator for low battery voltage

To find out which transmitter has low battery voltage: Press each edge.

| Beep | 3x |
| 1.5 sec. | Wait |

Every minute

4.2 Battery change

1. Loosen the two screws
2. Open housing (lift, then slide)
3. Remove battery
4. Insert new battery (check polarity)
5. Put on the cover (slide, then push down)
6. Attach the screws
7. System test mandatory!
8. Dispose used battery according to local regulations

5 Technical data

**Transmitter**

| Inputs | up to two 8.2 kOhm sensors up to two NC/NO switches |
| Battery power | 1x Lithium 3 V Type (CR2450N) |
| Battery life | up to 2 years * |
| Protection class IEC 60529 | IP65 |

* Recommendation: Change battery every year.

**System**

| Operating frequency | 868.3 MHz |
| Range | 100 m (at optimal condition) |
| Operating temperature | −20 °C to +60 °C |

6 EU Declaration of Conformity

See attachment

7 WEEE

Devices with this symbol must be treated separately during disposal. This must be done in accordance with the laws of the respective countries for environmentally sound disposal, processing and recycling of electrical and electronic equipment.

8 Contact

BBC Bircher Smart Access, BBC Bircher AG, Wiesengasse 20, CH-8222 Beringen, www.bircher.com
Designed in Switzerland / Made in China