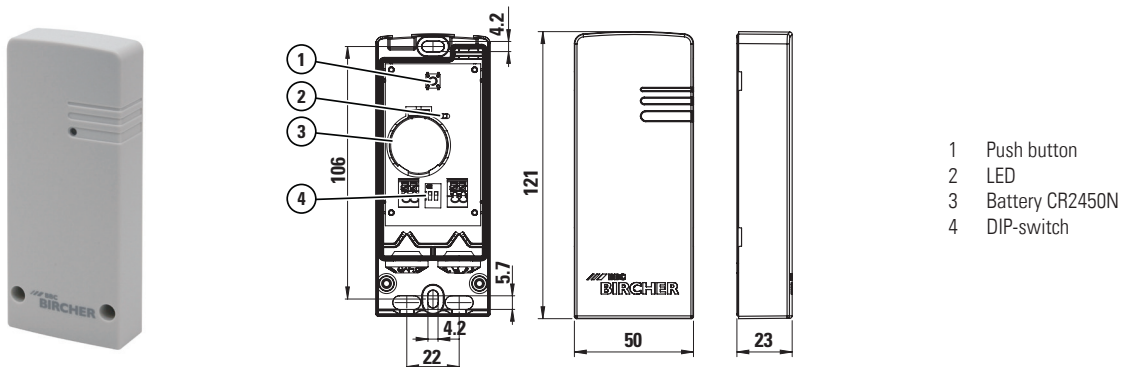


XRF-T.2

EN ORIGINAL OPERATING INSTRUCTIONS

ENGLISH

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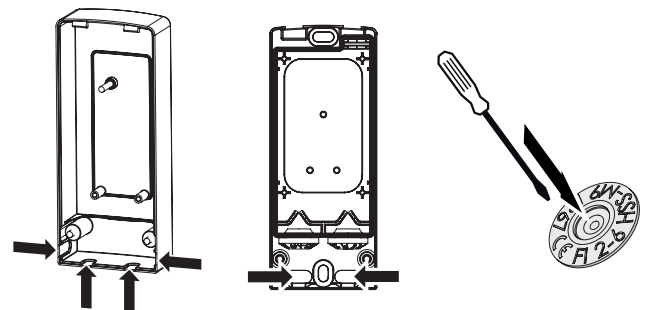


1 Intended use

Monitoring 1 or 2 safety edges and switches on doors and gates, in combination with a receiver XRF.

2 Safety instructions

- Read these operating instructions thoroughly before putting the device into operation and keep them for future reference.
- Follow all the recommendations given in this manual to avoid serious danger to persons.
- Do not use this product other than for its specified application.
- Pay attention to all local relevant electrical safety regulations.
- Only trained and qualified personnel may install and initialize the device.
- The installer is responsible for testing the system to ensure it meets all applicable safety standards.
- After accessing the inside of the device, ensure the cover/protection seal is closed tightly to achieve designated protection rating. The device must not be used without the cover mounted.
- This device contains batteries. Observe the local regulations for battery disposal.



Either break out a piece of ... or use holes in the base plate Use Screwdriver to punch the hole

3.3 Wiring / set-up

DIP switch setting

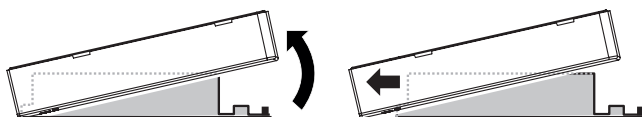
- ▷ Set DIP switch according to sensors (safety edge/ switch). A change of the DIP switch will be confirmed by a (slightly delayed) flash of the LED.

Wire cross section: 0.25 – 0.75 mm

3 Installation

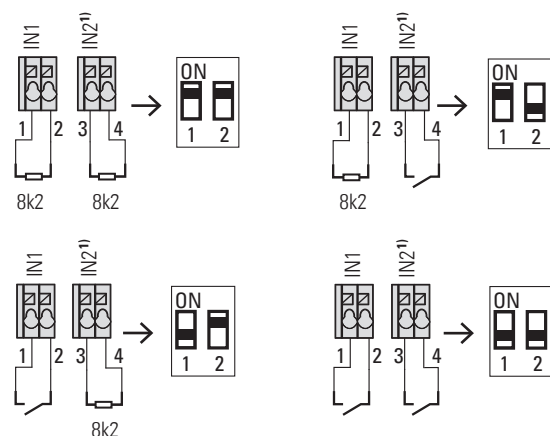
3.1 Opening cover

- ▷ Lift cover at screw end, then slide away.



3.2 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 (cable Ø: 3.1 – 5.2 mm).



1) IN2 is only active when used with dual channel receiver (see receiver manual)

How to change inputs from NC to NO (not for 8k2 applications)

1. Insert battery, watch LED for status indication.
2. To change status, press button on transmitter for 1.5 sec., watch LED for status indication.
3. To save changes, wait for 10 sec.

| Status | NC (factory setting) | NO |
|--------|----------------------|------------|
| LED | flashes 2x | flashes 4x |

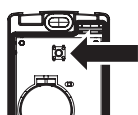
Note: when using the NC inputs the wiring with the sensor must be permanently installed and protected against external damage according to EN ISO 13849-2 Tab. D.4.

3.4 Pairing

1. Initiate pairing on Rx (see receiver manual).
2. Pairing is possible with open cover or later in mounted situation.

Open state:
press button on transmitter

Mounted state:
press the safety edge 2 times
within 2 sec.



3.5 System check

Mandatory after each set-up!

1. Make sure that the LED flashes when activating the sensor element (pressing the sensing edge).
2. Make sure that the LED flashes again when releasing the sensor element.
3. Make sure that the door/gate stops when the sensing element is activated.


3.6 Trouble shooting

Warning indicator for low battery voltage

 **3 beeps per minute** warning indication

 ▷ To find out which transmitter has low battery voltage, press each edge.

 **no beep** battery ok

 **1 beep** ▷ Replace battery.

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

4 Compliance

4.1 EU and UK declaration of conformity

This device complies with the requirements of directives and standards according to the attached declarations.

4.2 FCC approval

NOTICE: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

WARNING: changes or modifications made to this device may void the FCC authorisation to operate this device.

4.3 Disposal / 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.

5 Technical data

Transmitter

| | |
|----------------------------|--|
| Inputs | up to two 8.2 kOhm sensors or NC/NO switches |
| Battery power | 1x Lithium 3.6 V Type (CR2450N) |
| Battery life | up to 1.2 years ¹⁾ |
| Protection class IEC 60529 | IP65 |

System

| | |
|-----------------------|---|
| Operating frequency | <ul style="list-style-type: none">◦ 868.3 MHz (variant 1)◦ 867.6 MHz (variant 2)◦ 921.5 MHz (USA, Canada) |
| Range | 100 m (at optimal condition) |
| Operating temperature | -20 °C to +60 °C |

1) Recommendation: Change battery every year.

6 Contact

BBC Bircher Smart Access

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Designed in Switzerland / Made in China