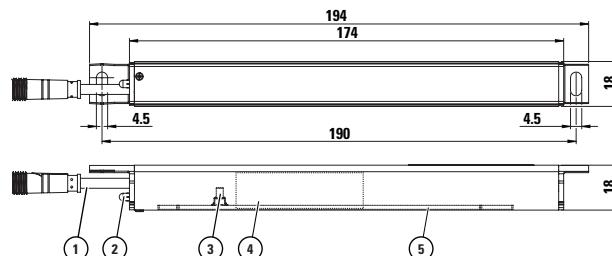


# XRF-TI

EN ORIGINAL OPERATING INSTRUCTIONS

ENGLISH 404301 F



- 1 Cable with plug
- 2 LED
- 3 Push button
- 4 Battery 3.6 V
- 5 PCB

## 1 Intended use

Monitoring safety edges on doors and gates, in combination with a receiver XRF.

- 4 LED flashes 5x, confirms battery connected

- 5 Pairing (see item 3.2) if required
- 6 Slide in the PCB again:

alignment of battery,  
position of wire (X)

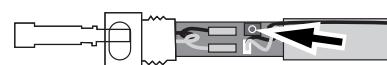


- 7 Close the housing, tighten the screw

### 3.2 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.

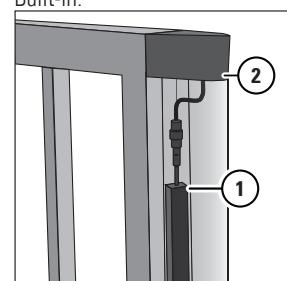


### 3.3 Mounting

The device is designed for the concealed installation in the contact profiles of ExpertSystem, see assembly and mounting instruction.

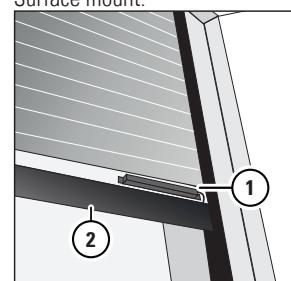
However, it can be wired with other safety edges  
e.g., where space is limited.

Built-in:



- 1 XRF-TI
- 2 Sensing edge XL  
(e.g. on a sliding gate)

Surface mount:



- 1 XRF-TI
- 2 Sensing edge (e.g. ClickLine on an industrial door)

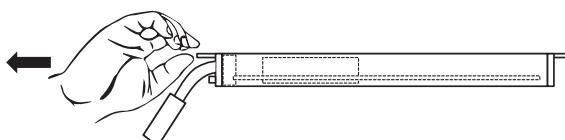
## 3 Installation

### 3.1 Connect battery

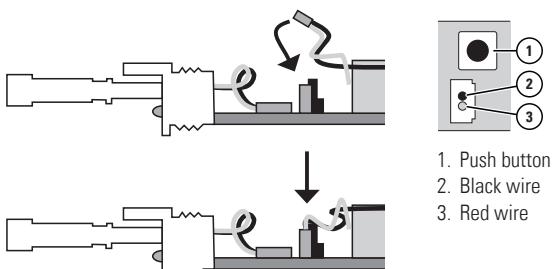
- 1 Loosen screw (at original delivery shipped in bag with Philips screw driver #00)



- 2 Carefully pull out the PCB



- 3 Plug in connector



### 2.1 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.

## 2.2 Trouble shooting

### Warning indicator for low battery voltage

 **3 beeps per minute** warning indication

 **no beep** To find out which transmitter has low battery voltage, press each edge.

 **no beep** battery ok

 **1 beep** Replace battery.

### Battery change

1. Order new battery (prepared with connector)
2. Pull out the PCB, see item 3.1
3. Disconnect battery, unplug and remove battery
4. Insert new battery, plug in connector
5. Slide in the PCB
6. Close the cover again
7. **System test mandatory!**
8. Dispose used battery according to local regulations

## 3 Compliance

### 3.1 EU and UK declaration of conformity



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

### 3.2 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.

### 3.3 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.

## 4 Technical data

### Transmitter

Input	8.2 kOhm sensor
Battery power	1x Lithium Inorganic 3.6 V
Battery life	up to 5 years
Protection class IEC 60529	IP65

### System

Operating frequency	◦ 868.3 MHz (variant 1) ◦ 867.6 MHz (variant 2) ◦ 921.5 MHz (USA, Canada)
Range	60 m (at optimal condition)
Operating temperature	-20 °C to +60 °C

## 5 Contact

### BBC Bircher Smart Access

BBC Bircher AG, Wiesengasse 20, CH-8222 Beringen  
[www.bircher.com](http://www.bircher.com)

Designed in Switzerland / Made in China