



BBC BIRCHER XRF-TI Integral Single Channel Wireless Transmitter Instruction Manual

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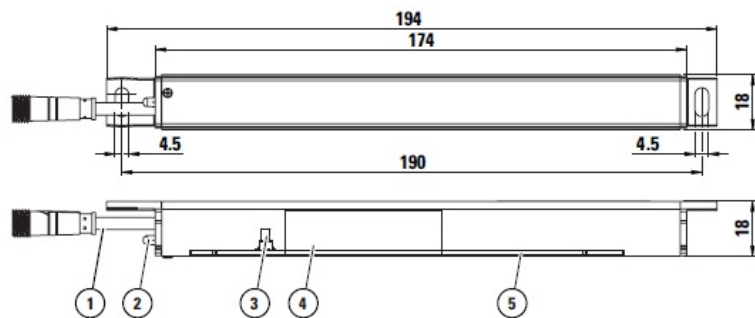


BBC BIRCHER XRF-TI Integral Single Channel Wireless Transmitter



ORIGINAL OPERATING INSTRUCTIONS

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



Intended use

Monitoring safety edges 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.
- 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.

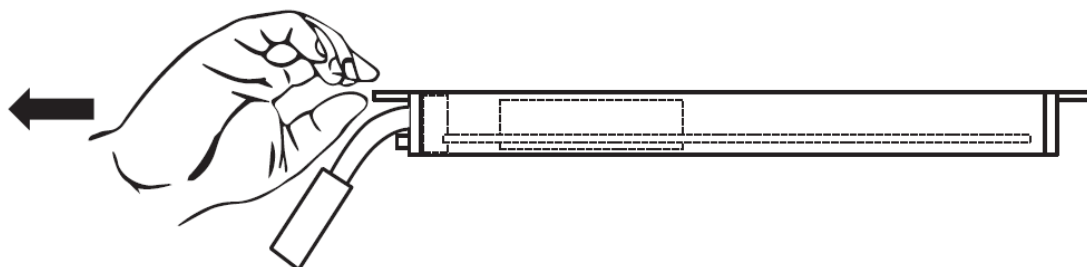
Installation

Connect battery

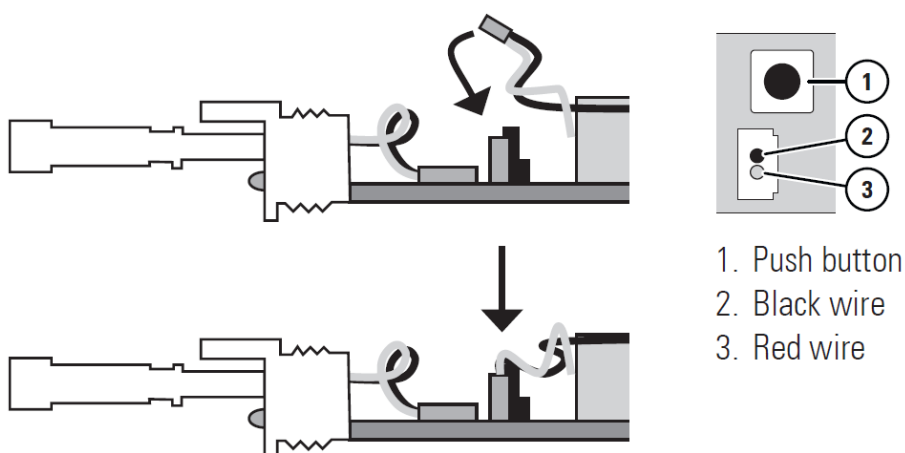
1. Loosen screw (at original delivery shipped in bag with Philips screw driver #00)



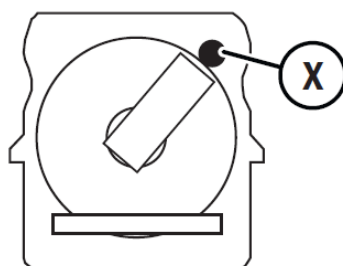
2. Carefully pull out the PCB



3. Plug in connector



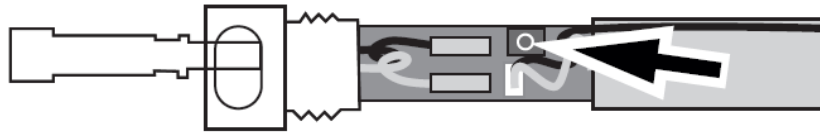
4. LED flashes 5x, confirms battery connected
5. Pairing (see item 3.2) if required
6. Slide in the PCB again: alignment of battery, position of wire (X)
7. Close the housing, tighten the screw



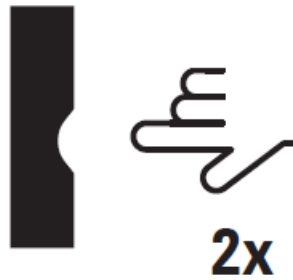
Pairing

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.

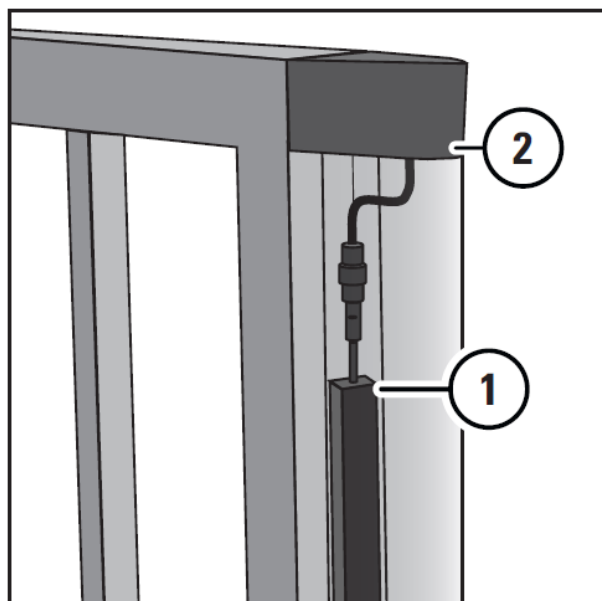


Mounting

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

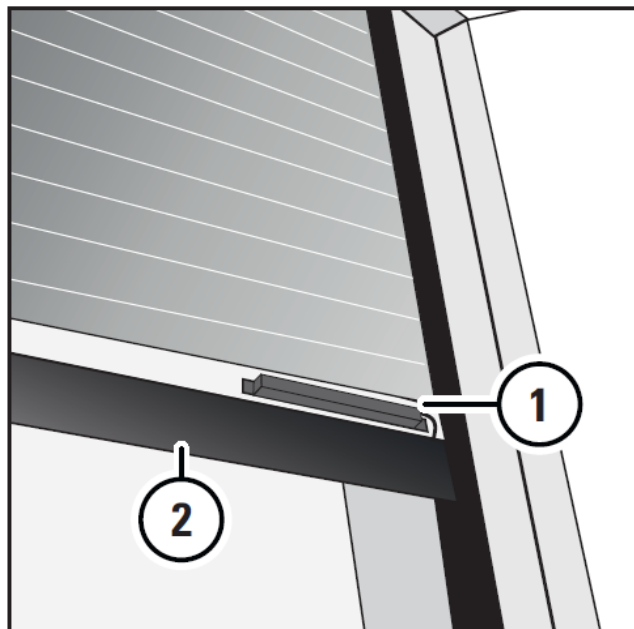
However, it can be wired with other safety edges e.g., where space is limited.

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. Click Line on an industrial door)


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.

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. 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

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

Contact

BBC Bircher Smart Access

BBC Bircher AG, Wiesengasse 20, CH-8222 Beringen www.bircher.com

Designed in Switzerland / Made in China

Compliance

EU and UK declaration of conformity

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

FCC approval F

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 authorization to operate this device.

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.

Documents / Resources

	<p>BBC BIRCHER XRF-TI Integral Single Channel Wireless Transmitter [pdf] Instruction Manual</p> <p>XRFTI9, TBZ-XRFTI9, TBZXRF-TI9, XRF-TI Integral Single Channel Wireless Transmitter, XRF-TI, Integral Single Channel Wireless Transmitter, Single Channel Wireless Transmitter, Wireless Transmitter, Transmitter</p>
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References

- [B Bircher.com](#)
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