Brightness / temperature sensor Bluetooth
Art. no.: 1792HTBT

Operating instructions

1 Battery safety instructions

This device or its accessories are supplied with batteries in the form of button cells.

DANGER! Batteries can be swallowed. This can lead directly to death by suffocation. Dangerous substances may cause severe internal burns leading to death within 2 hours.
Keep new and used batteries away from children.
Do not use devices if the battery compartment does not close securely and keep away from children.
If you suspect that a battery has been swallowed or is in any orifice of the body, seek immediate medical attention.

WARNING! Improper handling of batteries can result in explosion, fire or chemical burn due to leakage.
Do not heat or throw batteries into fire.
Do not reverse polarity, short-circuit or recharge batteries.
Do not deform or disassemble batteries.
Replace batteries only with an identical or equivalent type.
Remove empty batteries immediately and dispose of in an environmentally friendly manner.

These instructions are an integral part of the product, and must remain with the end customer.

2 Intended use

– Sensor for detecting brightness and temperature
– Operation with Bluetooth universal timer from LB management
– Adhesive mounting in the interior on windows

3 Commissioning

Open the housing

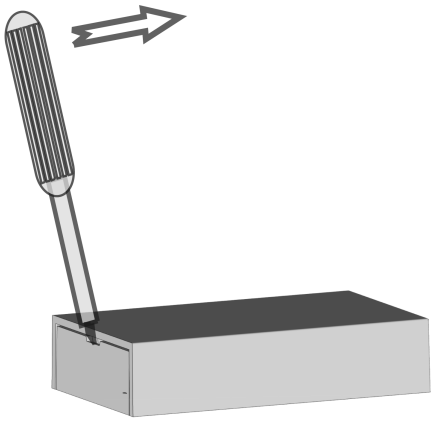


Figure 1: Open the housing

■ Open the housing by pushing it apart. To do so, insert a thin slotted screwdriver into the opening recess (Figure 1) and raise it up so that two catches are passed.

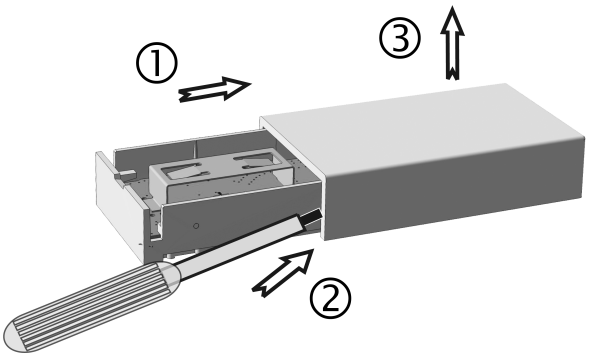


Figure 2: Raise housing lid

- Push the housing apart as far as it will go.
- To remove the cover, it must first be lifted off on one side, e.g. with a small screwdriver (Figure 2).

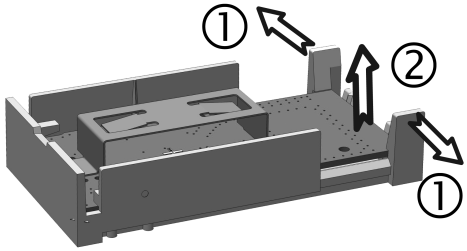


Figure 3: Removing the circuit board

- Remove the circuit board. To do this, carefully push the two locking lugs (Figure 3) outwards so that the board can be lifted up.

Inserting the battery

i Obey the battery safety instructions.

- Keep contacts of batteries and device free of grease.

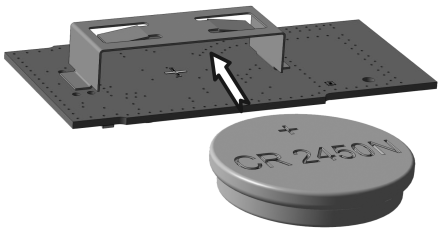
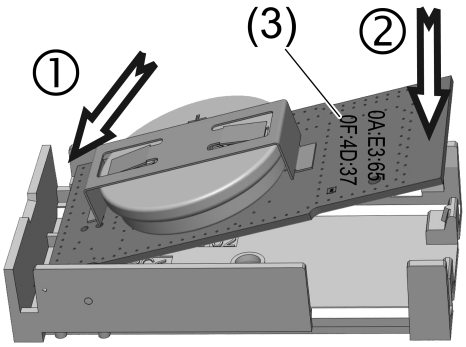


Figure 4: Inserting the battery

- Slide battery into battery holder (Figure 4). Observe polarity: the positive pole of the battery must be at the top.



__:__:__:__:__:__

Figure 5: Engaging the circuit board

- Note MAC address (3) (Figure 5). This address is required for assignment to the cover.
- Insert the circuit board in the housing base. Firstly, push the circuit board up to the front side of the housing and then push the rear section of the circuit board downwards (Figure 5).

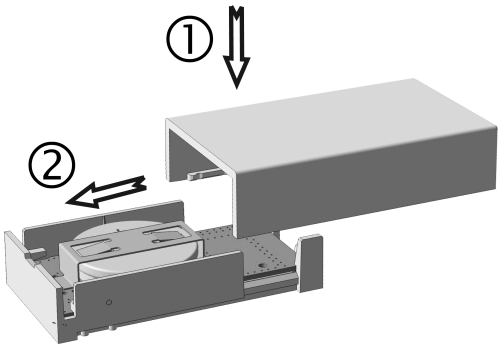


Figure 6: Close housing

- Reattach the housing lid and push the housing together until it locks into place. (Figure 6).
  The device is ready for operation.

Assigning the sensor to the cover

The sensor transmits the brightness and temperature values every 5 minutes and when the brightness or temperature changes. The sensor must be assigned to the cover so that it can process the measured values of the sensor. This assignment is done via the app.

- Select "Add sensor" in the app configuration.
  An input field for the MAC address of the device will appear in the app.
- Enter the MAC address (3) in the input field.
  The actuator will now evaluate all received sensor telegrams.

4 Mounting

Remove empty batteries immediately and dispose of in an environmentally friendly manner. Do not throw batteries into household waste. Consult your local authorities about environmentally friendly disposal. According to statutory provisions, the end consumer is obligated to return used batteries.

Selecting installation location

To ensure good transmission quality, keep a sufficient distance from any possible sources of interference, e.g. metallic surfaces, microwave ovens, hi-fi and TV systems, ballasts or transformers.

Operation as brightness sensor: Select the installation location on the window pane so that the sunlight hits the sensor unobstructed even when the sun protection is active. Shadows produce incorrect measured values.

Mounting the sensor

The contact surface of the substrate must be dry, clean and free of grease.

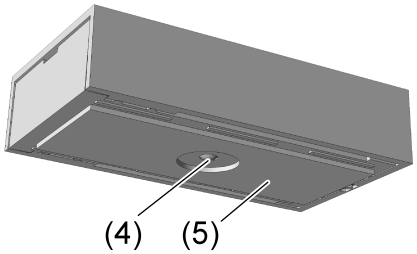


Figure 7: Underside of housing with adhesive pads

- Apply adhesive pad (5) to underside of housing (Figure 7). Remove the protective film on one side, place it on the underside of the sensor housing and press it down firmly. The light guide (4) for brightness measurement must not be pasted over.
- Remove the protective film from the adhesive pad, place the sensor on the surface and press firmly.

Dismounting the sensor

- Detach the sensor from the surface by rotating it alternating clockwise and counterclockwise.

5 Technical data

Rated voltage	DC 3 V
Battery type	1×lithium CR 2450
Brightness measurement	5 ... 80,000 lx
Temperature measurement	-5 ... +55 °C
Ambient temperature	-5 ... +55 °C
Storage/transport temperature	-20 ... +70 °C
Dimensions L×W×H	56 x 32 x 13 mm
Transmitting range	typ. 10 m
Radio frequency	2.402 ... 2.480 GHz
Transmission capacity	max. 2.5 mW, Class 2

6 Conformity

Albrecht Jung GmbH & Co. KG hereby declares that the radio system type art. no. 1792HTBT meets the directive 2014/53/EU. You can find the full article number on the device. The complete text of the EU Declaration of Conformity is available under the Internet address: www.jung.de/ce

7 Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

ALBRECHT JUNG GMBH & CO. KG
Volmestraße 1
58579 Schalksmühle
GERMANY

Telefon: +49 2355 806-0
Telefax: +49 2355 806-204
kundencenter@jung.de
www.jung.de