

**Radio remote control, 1-gang**

Order No. : 5350 10

**Operating instructions****1 Safety instructions**

**Keep button cells out of reach of children! If button cells are swallowed, get medical help immediately.**

**Risk of explosion! Do not throw batteries into fire.**

**Risk of explosion! Do not recharge batteries.**

**The radio communication takes place via a non-exclusively available transmission path, and is therefore not suitable for safety-related applications, such as emergency stop and emergency call.**

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

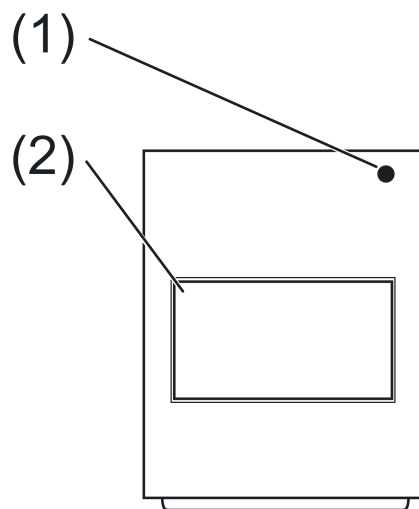
**2 Device components**

Figure 1: Radio hand transmitter 1-gang

(1) Status LED

(2) Button

**3 Function****System information**

This device is a part of the eNet system.

High transmission reliability at a radio frequency of 868 MHz is achieved by the transmission behaviour and bidirectional data transfer.

The range of a radio system depends on various external circumstances. The range can be optimised by the choice of installation location.

This device complies with the requirements of the R&TTE Directive 1999/5/EC. Declaration of Conformity and further information on the eNet system can be found on our website.

The device may be operated in all EU and EFTA countries.

**Intended use**

- Radio hand transmitter for radio transmission of switching, dimming, and blind movement commands
- Operation with radio actuators from the eNet system

**Product characteristics**

- A button for switching and dimming a channel
- Status indication with LED
- Battery-powered device
- Signalling of transmission errors can be switched off

Can be set with eNet server:

- Scenes: All On, All Off, individual scenes
- Operation locks
- i** If settings are changed with the eNet server, operation and signalling could vary from what is described here.
- i** The parameter list is in the Internet in the documentation for this device.

Supplementary functions with eNet server

- Update of the device software
- Reading of error memory

**4 Operation**

The radio hand-held transmitter is optimised for switch actuators in push-button operation. Button pressed, push-button actuator switches on, Button released, push-button actuator switches off.

In addition, the hand-held transmitter can be used in various ways:

- Single-surface operation, lighting: Switching lighting on or off or dimming brighter/darker takes place alternately when the button is pressed repeatedly.
- Single-surface operation, Venetian blind: Upward or downward movement takes place alternately when the button is pressed repeatedly.
- i** It may be the case that the button has to be pressed twice, in order to obtain the desired result.

**Function of status LED in operation**

As soon as the button is pressed or released, the status LED (1) first signals radio transmission

- LED turns red for 3 seconds

and then the actuator status

- LED turns green for 3 seconds:  
At least one actuator is switched on, or one Venetian blind is not in the top end position
- LED remains off:  
All the actuators are switched off or the blinds are all in the upper end position

or - if there is no status message from an actuator - a transmission error.

- The LED rapidly flashes red for 5 seconds:  
The status message of at least one actuator is missing

**Operating light**

- Switching: Press button for less than 0.4 seconds.
- Dimming: Press the button for longer than 0.4 seconds. The dimming process ends when the button is released.
- Switching on at minimum brightness: Press the button for longer than 0.4 seconds.

**Operating blind**

- Moving the Venetian blind: Press the button for longer than 1 second.
- i** Change of direction for moving Venetian blind: Press the button for longer than 1 second. Change of direction for stationary Venetian blind: First, press the button for less than 1 second, then press the button for longer than 1 second.

- Stopping the Venetian blind: Press the button for less than 1 second.
  - Adjusting the Venetian blind: Press the button for less than 1 second.
- i** If the break between the two button actuations is longer than approx. 1 second, the direction will change.

### Operating push-button actuator

- Buttons: The load is switched on for the duration of the button-press.
- i** The maximum actuation length is 60 seconds.

## 5 Information for electrically skilled persons

### 5.1 Commissioning



#### **DANGER!**

**Electrical shock when live parts are touched.**

**Electrical shocks can be fatal.**

**During commissioning, cover the parts carrying voltage on radio transmitters and actuators and in their surrounding area.**

### Insert battery



#### **WARNING!**

**Risk of chemical burns.**

**Batteries can burst and leak.**

**Replace batteries only with an identical or equivalent type.**

- Open battery compartment on the rear side of the hand-held transmitter.
- i** Keep contacts of batteries and device free of grease.
- Apply battery to the positive contact of the battery holder. Observe polarity: the positive pole of the battery must be at the top.
  - Press gently on battery to snap it in.
  - Close battery compartment.
- Hand-held transmitter is ready for operation.

### Connecting to radio actuator

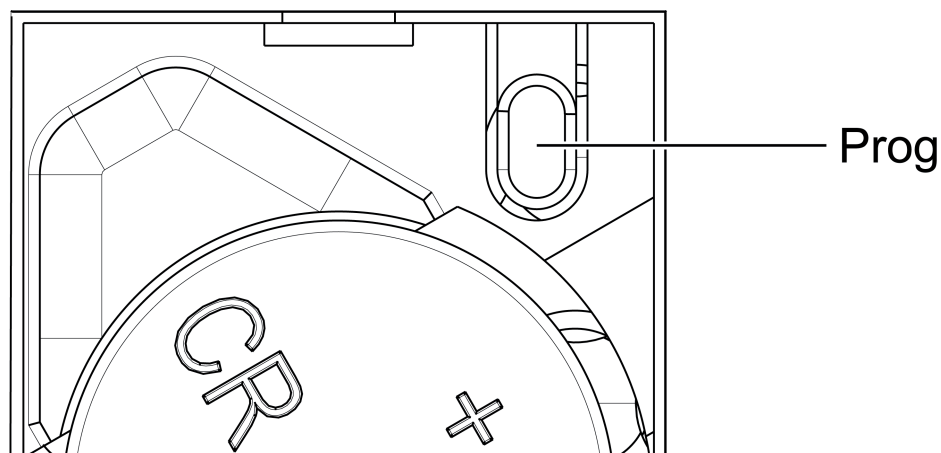


Figure 2: **Prog** Button in the battery compartment

- i** Up to 10 radio actuators can be connected to a transmitter in a single step.

- Switch the actuator to programming mode (see actuator instructions).
- Press the **Prog** (Figure 2) button for longer than 4 seconds.  
Status LED (1) flashes red. The hand-held transmitter is in programming mode for approx. 1 minute.
- Press button briefly  
The status LED lights up for approx. 5 seconds, and the hand-held transmitter is connected to the actuator. The hand-held transmitter and actuator exit the programming mode automatically.
- ❗ If the status LED of the radio transmitter flashes 3 times at 1-second intervals for approx. 5 seconds, then the programming operation was not successful. The actuator is outside radio range, not in programming mode or there are radio faults.
- ❗ If the status LED of the actuator flashes 3 times at 1-second intervals for approx. 5 seconds, then the programming operation was not successful. All the memory locations in the actuator or radio transmitter are occupied.
- ❗ Press the **PROG** button once again for longer than 4 seconds to terminate the programming mode earlier.

### Disconnecting connection to an actuator

- Carry out the same steps as when connecting (see the chapter Connecting to radio actuator).  
The status LED of the actuator flashes quickly for 5 seconds. The actuator is disconnected from the radio transmitter. The actuator and radio transmitter exit the programming mode automatically.

### Reset button

All connections of the button (2) to the actuators are disconnected and parameters are reset to default setting.

- ❗ The connections in the actuators are preserved and must be deleted separately.
- Press the **Prog** button for longer than 20 seconds.  
The status LED (1) flashes red after 4 seconds. The status LED flashes faster after 20 seconds.
- Release **Prog** button and press button (2) briefly once again within 10 seconds.  
The status LED flashes more slowly for approx. 5 seconds.  
The button (2) is reset. The setting as channel button or scene button is retained.

### Resetting the hand-held transmitter to the default setting

All connections to actuators are disconnected and parameters are reset to default setting.

- ❗ The connections in the actuators are preserved and must be deleted separately.
- Press the **Prog** button for longer than 20 seconds.  
The status LED (1) flashes red after 4 seconds. The status LED flashes faster after 20 seconds.
- Release **Prog** button and press the **Prog** button briefly once again within 10 seconds.  
The status LED flashes more slowly for approx. 5 seconds.  
The hand-held transmitter is reset to default setting. Button (2) is set as channel button.

## 6 Appendix



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.



The icon confirms the conformity of the product to the relevant guidelines.

## 6.1 Technical data

Rated voltage	DC 3 V
Battery type	1×Lithium CR 2450N
Ambient temperature	-5 ... +45 °C
Degree of protection	IP 20
Dimensions L×W×H	55×40.5×15 mm
Radio frequency	868.3 MHz
Transmitting power	max. 20 mW
Transmitting range in free field	typical 100 m

## 6.2 Parameter list

### Settings window

#### Device settings

Parameter name	Setting options, Basic setting	Explanations
Manual commissioning	On, Off Basic setting: On	Blocks manual commissioning for the device channel. In the "Off" setting, the device cannot be reset to the factory setting.
Channel 1	Rocker switch, scene Basic setting: Rocker switch	Setting the buttons of the channel as channel buttons (rocker switch) or scene buttons (scene).

#### Settings, channel/scene

Parameter name	Setting options, Basic setting	Explanations
Local Operation	On, Off Basic setting: On	Blocks the device channel for local operation.
Manual commissioning	On, Off Basic setting: On	Blocks manual commissioning for the device channel. In the "Off" setting, the device cannot be reset to the factory setting.
Sum status / transmission repetitions	On, Off/Transmit 2x...11x, Off/Transmit 4x (without connection) Basic setting: On	On: The transmitter evaluates the received status messages and displays them as an overall status. If individual status messages fail, then the transmitter will repeat its telegram up to three times. Off/Transmit x times: The evaluation and display of the overall status is deactivated. The number of telegram repetitions is prescribed. In this setting, no transmission errors are displayed. Off/Transmit 4x (without connection): Reserved for sensors which transmit without a connection.

## 6.3 Troubleshooting

**After a button has been pressed, the status LED flashes red slowly for 3 seconds.**

Cause: Battery in the hand-held transmitter is almost empty.

Changing the battery (see chapter Commissioning - Inserting the battery).

**Receiver does not react, status LED displays a transmission error. Status LED flashes red quickly for 3 seconds.**

Cause 1: Radio range exceeded. Structural obstacles reduce the range.

Using a radio repeater.

Cause 2: Actuator is not ready for operation.

Check the actuator and mains voltage.

Cause 3: There are radio faults, e.g. through outside radio.

Eliminate radio interference.

- i** The actuator causing the transmission error can be removed from the display of transmission errors. To do this, briefly press the **Prog** button of the hand-held transmitter during signalling. The actuator is automatically taken into account again when it transmits a status message after radio transmission.

## 6.4 Warranty

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

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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