

Short-time timer insert

6465 U-101
Short-time timer insert



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1 Safety



Warning

Electric voltage!

Risk of death and fire due to electrical voltage of 230 V.

- Work on the 230V supply system may only be performed by authorised electricians!
- Disconnect the mains power supply prior to installation and/or disassembly!

2 Intended use

The short-time timer serves for time-programmed switching of electric loads.

3 Environment



Consider the protection of the environment!

Used electric and electronic devices must not be disposed of with domestic waste.

- The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.

The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.

(EU Directive 2002/96/EC WEEE and 2002/95/EC RoHS)

(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)

4 Operation

4.1 Key assignment

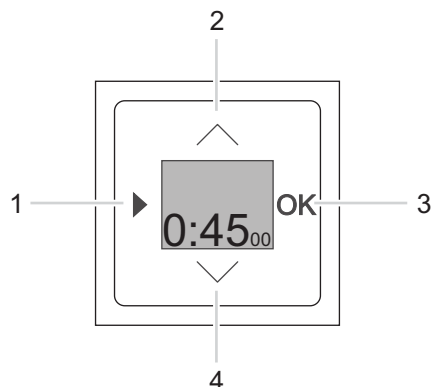


Fig. 1: Key assignment

No.	Function
1	Call up programming mode 1 or 2.
2	Raise the value in programming mode by one meter (+).
3	Start or stop the short-time timer.
4	Lower the value in programming mode by one meter (-).

4.2 Start / stop timer

The following description shows the example of lighting connected to a timer.

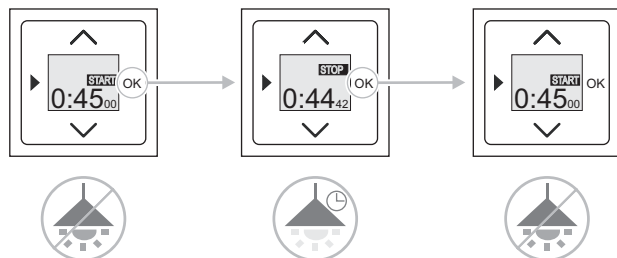


Fig. 2: Start / stop timer

To start and stop the timer carry out the following steps:

1. Activate the "OK" button.
 - The lighting is switched on.
 - The timer counts down the preset time.
2. After it has counted down the preset time, the timer stops automatically.
 - The lighting is switched off.
 - The timer again displays the preset time.
3. To stop the preset time early, press the "OK" again.
 - The lighting is switched off.
 - The timer again displays the preset time.

The timer is again ready to start.

4.3 Adjusting the device

The timer can be set via two programming modes.

In programming mode 1 the timer is set manually.

In programming mode 2 the timer is set via a preselection of fixed values.

4.3.1 Programming mode 1

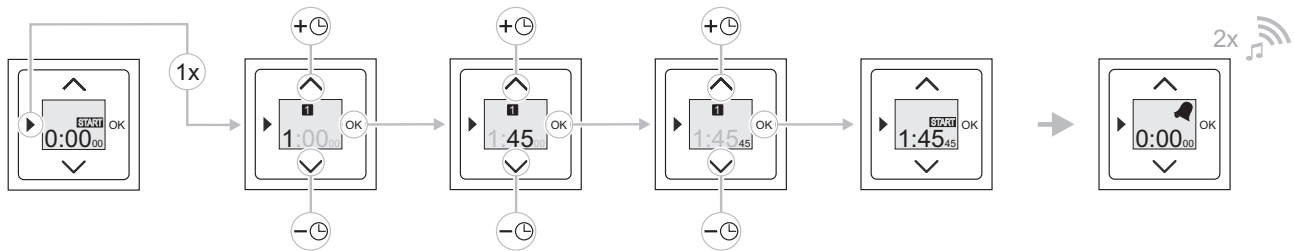


Fig. 3: Programming mode 1

To program the timer carry out the following steps:

1. Press the "Programming mode" button once.
 - The timer changes to programming mode 1.
 - The hour display will flash.
2. Set the hours via the arrow keys.
3. Confirm the entry with the "OK" button.
 - The minute display will flash.
4. Set the minutes via the arrow keys.
5. Confirm the entry with the "OK" button.
 - The seconds display will flash.
6. Set the seconds via the arrow keys.
7. Confirm the entry with the "OK" button.

The timer is ready to start.

4.3.2 Programming mode 2

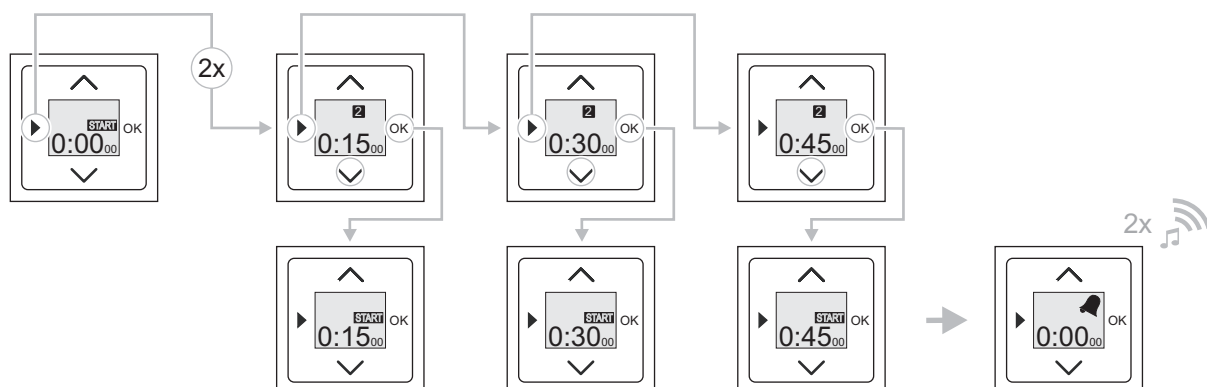


Fig. 4: Programming mode 2

In programming mode 2 the timer is programmed via a preselection of fixed values (15, 30 or 45 minutes).

To program the timer carry out the following steps:

1. Press "Programming mode" button twice.
 - Fixed value "15 minutes" is displayed.
2. Press the "OK" button to take over the displayed value.
The fixed value will be adopted.
3. Alternatively: Press the "Programming mode" button to change to the next fixed value.
 - The next fixed value is displayed.

After confirming the desired fixed value the timer is ready.

4.3.3 Blockage of time input

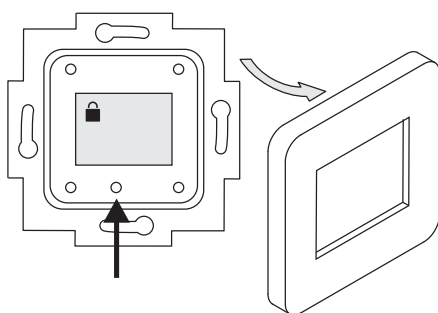


Fig. 5: Blockage of time input

To prevent an unauthorized change of the time the time setting can be blocked.

To block the time entry carry out the following steps:

1. Remove the cover disc.
 - The blocking icon is shown in the display.
2. Push the blocking button in with a plastic pin.
 - The blocking icon is shown in the display.

The input of time is now blocked.

5 Technical data

Designation	Value
Nominal voltage:	230 V, ±10%, 50 Hz
Max. switching current (Resistive load):	10 A, 230 V~
Max. switching current (Inductive load):	4 A, 230 V~
Maximum timer time:	9:59:59 h
Minimum timer time:	00:00:01 h
Lowest resolution:	1 s
Protection:	IP20
Temperature range:	0 ... +50°C

6 Installation and electrical connection



Warning

Electric voltage!

Risk of death due to electrical voltage of 230 V during short-circuit in the low-voltage line.
Low-voltage and 230 V lines must not be installed together in a flush-mounted socket!

6.1 Requirements for the electrician



Warning

Electric voltage!

Install the device only if you have the necessary electrical engineering knowledge and experience.

- Incorrect installation endangers your life and that of the user of the electrical system.
- Incorrect installation can cause serious damage to property, e.g. due to fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:

- Apply the "five safety rules" (DIN VDE 0105, EN 50110):
 1. Disconnect from power;
 2. Secure against being re-connected;
 3. Ensure there is no voltage;
 4. Connect to earth and short-circuit;
 5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the supply network type (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective earthing, necessary additional measures, etc.).

6.2 Mounting

The device may only be installed in suitable flush-mounted sockets (DIN 49073-1) or a suitable surface-mounted housing.

6.3 Electrical connection

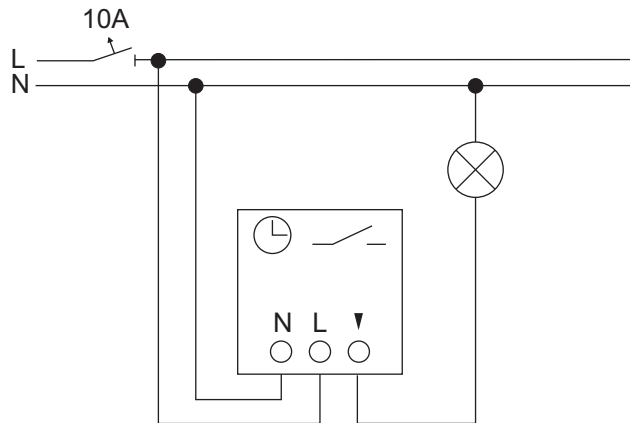


Fig. 6:

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