

1. Basic safety information

WARNING
 ⚠️ **Danger of death through electric shock or fire!**
 ➤ Installation should only be carried out by a qualified electrician!

- The device is designed for installation on DIN top hat rails (in accordance with EN 60715)
- The device corresponds to type 1 STU in accordance with IEC/EN 60730-2-7

2. Proper use

- The time switch is used for lighting, ventilation and flushing applications etc.
- Only for use in closed, dry rooms

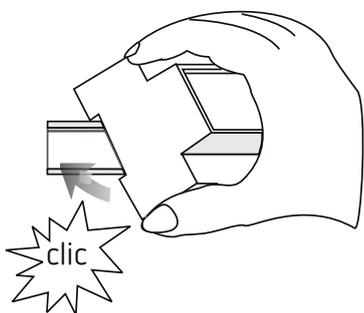
⚠️ Do not use on safety devices, e.g. escape route doors, fire safety equipment etc.

Disposal

- Dispose of device in environmentally sound manner

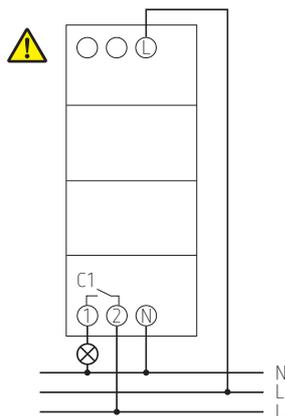
3. Installation and connection

Mounting the time switch



- Mount on DIN top hat rails (as defined in EN 60715)
- Switched voltage-free
- Ensure device cannot be switched on
- Check absence of voltage
- Earth and bypass
- Cover or shield any adjacent live components

Connecting the time switch



⚠️ Correct connection (see wiring diagram) required for smooth function of the zero-cross switching.

4. Device description

Display & buttons

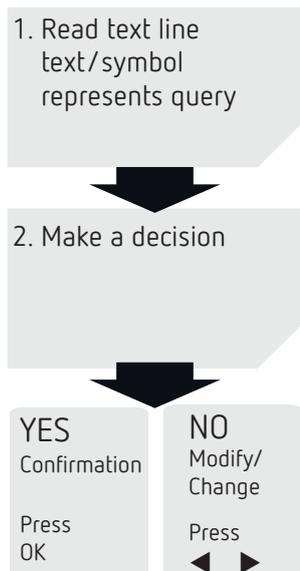
Programmed switching times
 Date display
 Channel status
 On
 Off
 Time display
 Days of the week from 1 to 7
 Display of the active buttons with the relevant function

➤ **MENU** — Activate display
 — Open menu
 — Cancel menu
 — ESC (leave menu)

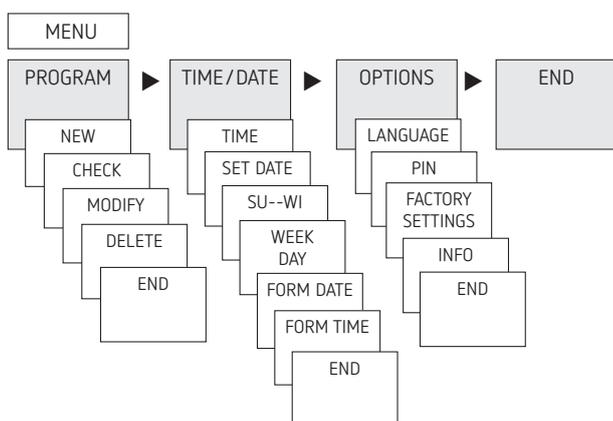
➤ **OK** — Save selection
 — Confirm selection

Options are displayed

Operating instructions

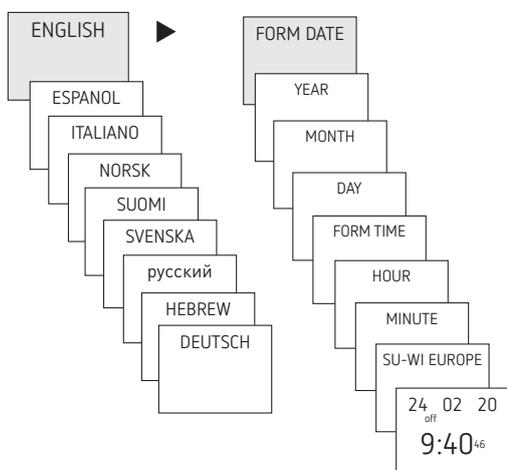


Overview of navigation menu



Initial operation

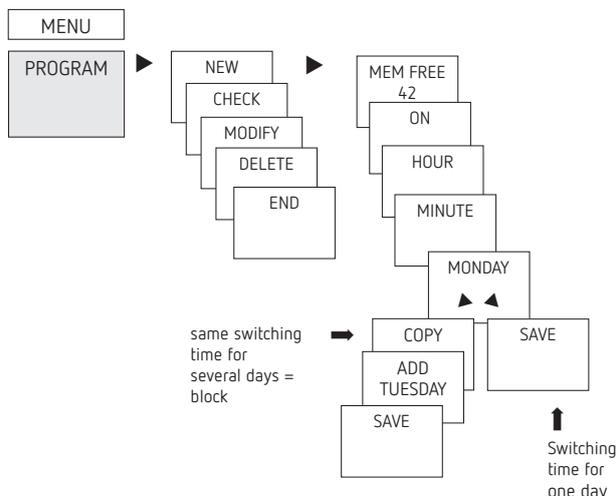
- ⓘ The device must be connected to the power supply so that the time and date can be set.



- Set language, date, time as well as summer/winter time (SU-WI)
- Press any button and display follows on screen (see figure)

5. Settings and functions

Set switching time



- ⓘ A switching time always consists of a start time and an end time

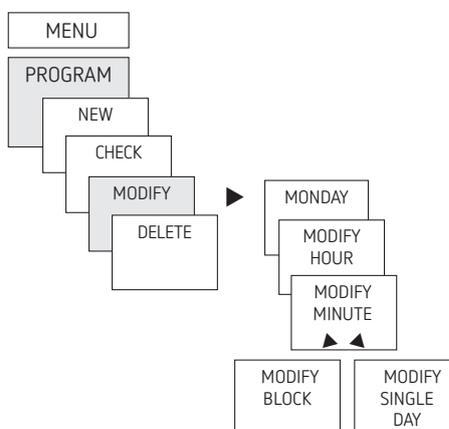
- ⓘ There are 42 memory cells available

Example: Switch on sports hall lighting from Mon–Fri, 7:30 to 12:00 hrs

- Press MENU
- Select PROGRAM and press OK to confirm
- Select NEW and press OK to confirm
- Select ON (for turn-on time) or OFF (for turn-off time), confirm with OK
- Set required turn-on time (Mo–Fr, 7:30), confirm with OK
- Select COPY, confirm with OK
- ADD TUESDAY is displayed, confirm by pressing OK and also confirm the days We, Th, Fr by pressing OK.
- Continue with ▶ until SAVE is displayed.
- Confirm by pressing OK.

Repeat all steps for the turn-off time, however instead of selecting ON with ▶ select OFF and enter 12:00 for hour and minute.

Change switching times

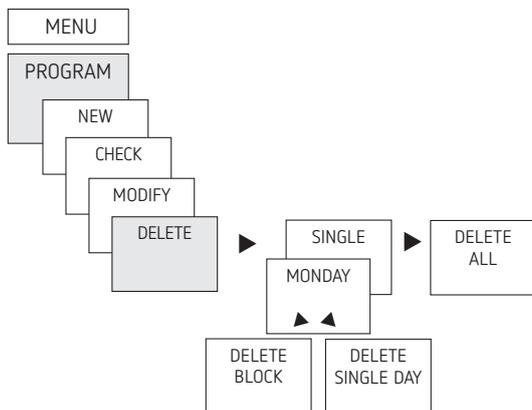


- ⓘ You can either change or delete a block, i.e. a switching time copied for several days (e.g. Mon–Fri) or a single switching time

Change individual switching times

- Press MENU
- Select PROGRAM and press OK to confirm
- Select MODIFY, confirm by pressing OK
- Select day, confirm with OK
- MODIFY HOUR, use the + or – buttons to change hour and minute and confirm with OK.
- To change several switching times, select MODIFY BLOCK, confirm with OK

Delete switching program



① You can either delete a block, i.e. a switching time copied for several days (e.g. Mon-Fri) or a single switching time

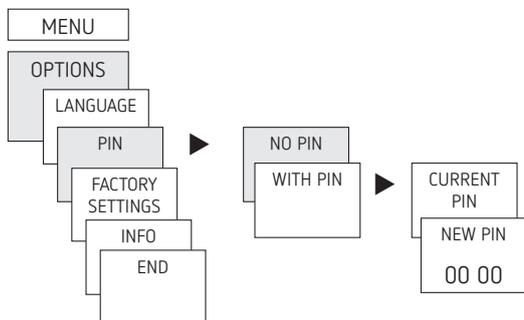
- Press MENU
- Select PROGRAM and confirm with OK
- Select DELETE, confirm with OK
- INDIVIDUAL is displayed (with ► DELETE ALL), confirm with OK
- MONDAY is displayed, confirm with OK
- Select DELETE BLOCK, confirm with OK
- With ► DELETE MONDAY etc. individual days can also be cleared.

Activating PIN code

The PIN code is set in OPTIONS via the menu.

① If you have forgotten your PIN, call the Theben Hotline.

① Have the serial number ready.

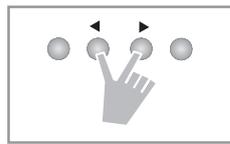


Setting manual or permanent switching

Manual or permanent switching can be set via the automatic screen by button combination (see picture).

- Manual control:
Reversing the channel status to the next automatic or programmed switching.

- Permanent switching:
As long as a permanent switching (on or off) is activated, the programmed switching times are ineffective



Activating manual control

- Briefly press both buttons simultaneously

Activating permanent switching

- Press both buttons simultaneously for 2 seconds

Cancelling manual/permanent switching

- Press both buttons simultaneously

Resetting the time switch

- Press the 4 buttons simultaneously
→ You can choose between KEEP PROGRAM and DELETE PROGRAM.

6. Technical data

Operating voltage:	230 V AC +10 % / -15 %
Frequency:	50–60 Hz
Standby:	0,54 W
Max switching capacity:	16 A (at 250 V, cos φ = 1)
Switching capacity:	2 A (at 250 V, cos φ = 0,6)
Min. switching capacity:	10 mA/230 V AC 100 mA/24 V AC/DC
Switch output:	Switching of any phase is permitted
Shortest switching time:	1 min
Switching accuracy:	accurate to the second
Protection rating:	IP 20 in accordance with EN 60529
Protection class:	II in accordance with EN 60730-1 subject to designated installation
Operating temperature:	-30 °C ... +55 °C
Power reserve:	6 years
Time accuracy (typical):	± 0,5 s/day (25 °C)
Rated impulse withstand voltage:	4 kV
Pollution degree:	2
Software:	class A
Contact:	NO contact
Glow lamp load:	2600 W
Halogen lamp load:	2600 W
Fluorescent lamp load:	
uncorrected:	2600 VA
series corrected:	2600 VA
parallel-corrected:	650 VA (72 µF)
Compact fluorescent tubes (EVG):	600 W
LED lamps (< 2 W):	30 W
LED lamps (> 2 W):	300 W

① The time switch display is only fully functional at temperatures from +5 °C ... +55 °C.

7. Contact

Theben AG
Hohenbergstr. 32
72401 Haigerloch
GERMANY
Tel. +49 7474 692-0
Fax +49 7474 692-150

Hotline

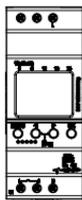
Tel. +49 7474 692-369
hotline@theben.de

Addresses, telephone numbers etc.
www.theben.de

theben

EN Time switch

SIMPLEXA 601 top
6010140



307561 01

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Disconnecting the cable 7

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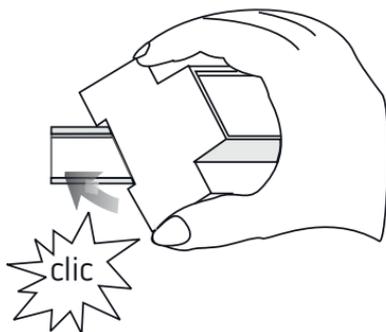
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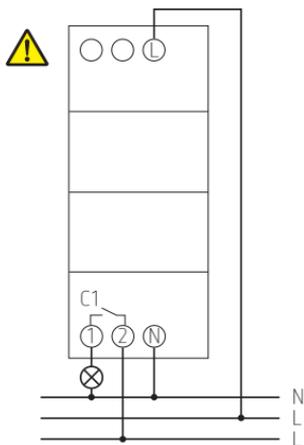
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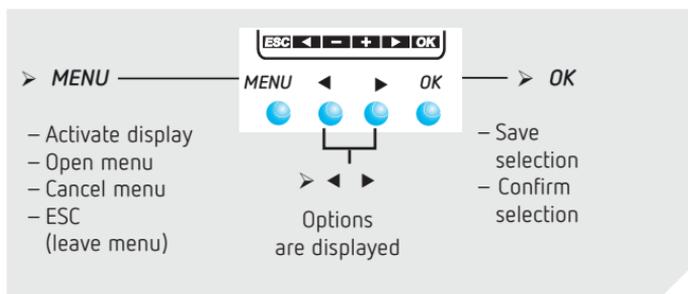
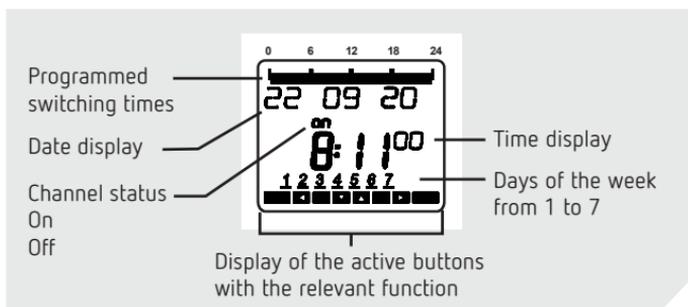
Connecting the time switch



! Correct connection (see wiring diagram) required for smooth function of the zero-cross switching.

4. Device description

Display & buttons



Operating instructions

1. Read text line
text/symbol
represents query



2. Make a decision



YES
Confirmation

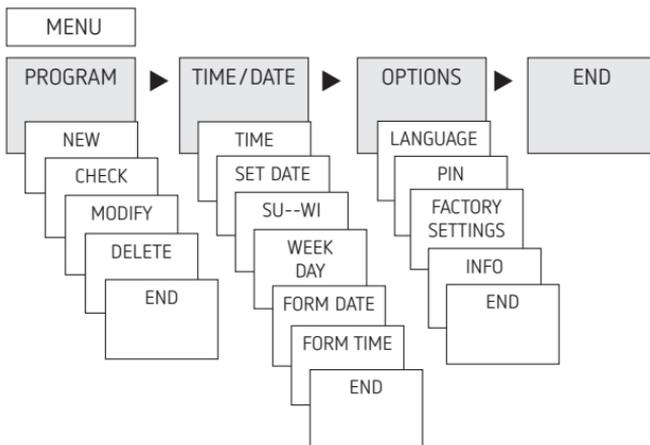
Press
OK

NO
Modify/
Change

Press
◀ ▶

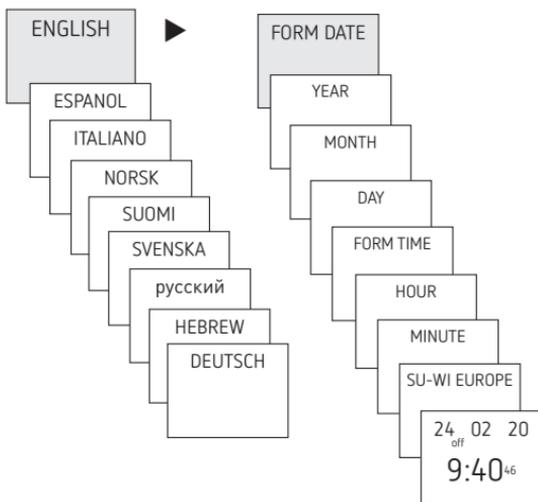


Overview of navigation menu



Initial operation

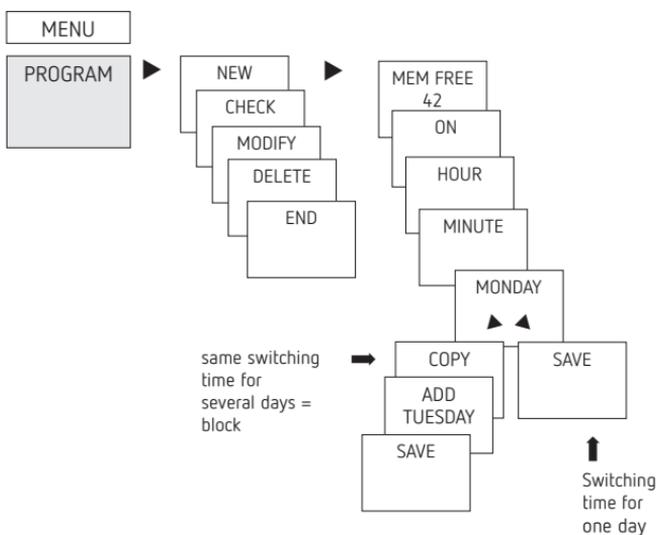
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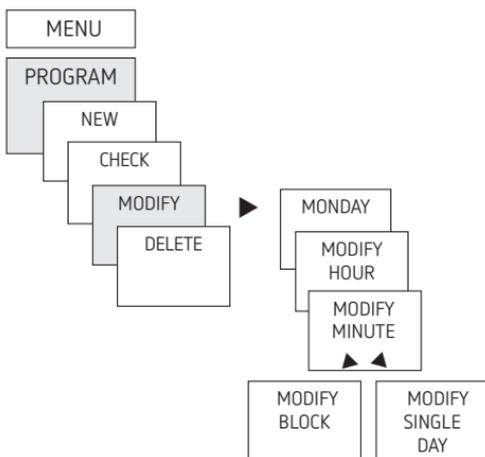
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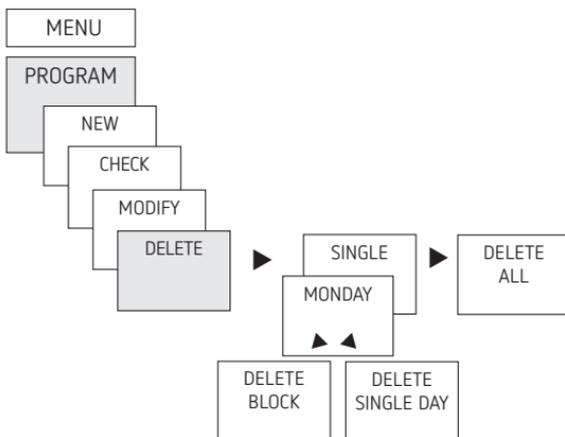
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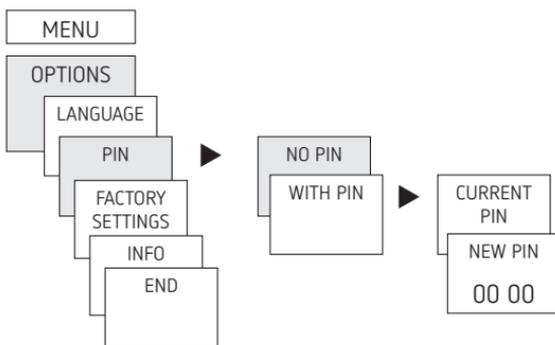
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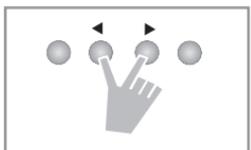
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Addresses, telephone numbers etc.

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