

TR

TR 684-1 top2 6840100

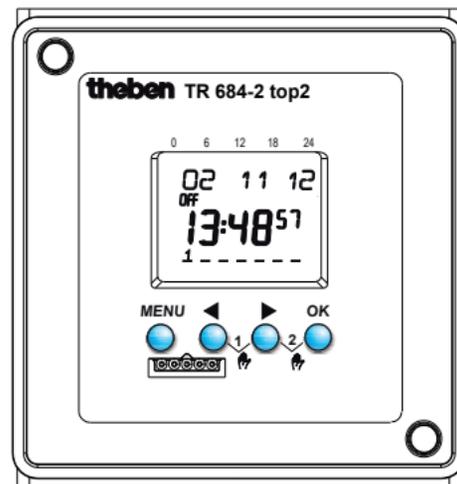
TR 684-2 top2 6840101

Assembly and operating instructions

Time switch

D GB F

I NL



Connection of different external wires is permitted

TR 684-2 top2

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Basic advice



WARNING

Danger of death through electric shock or fire!

- Installation should only be carried out by professional electrician!

- The device is intended for front panel installation
- Corresponds to type 1 BSTU actions in accordance with IEC/EN 60730-2-7
- Power reserve (10 years) is reduced with memory card inserted (in battery mode)

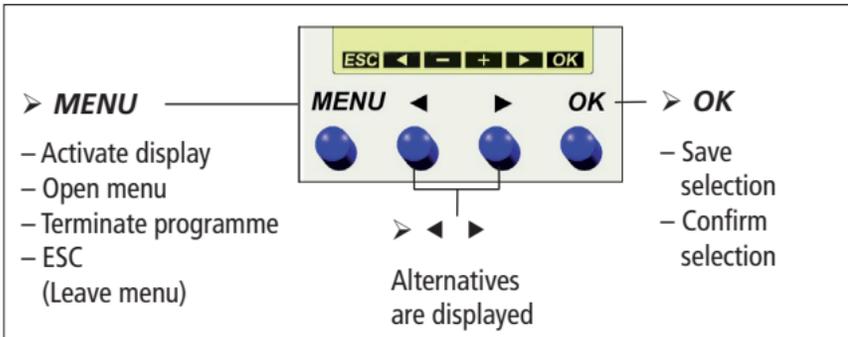
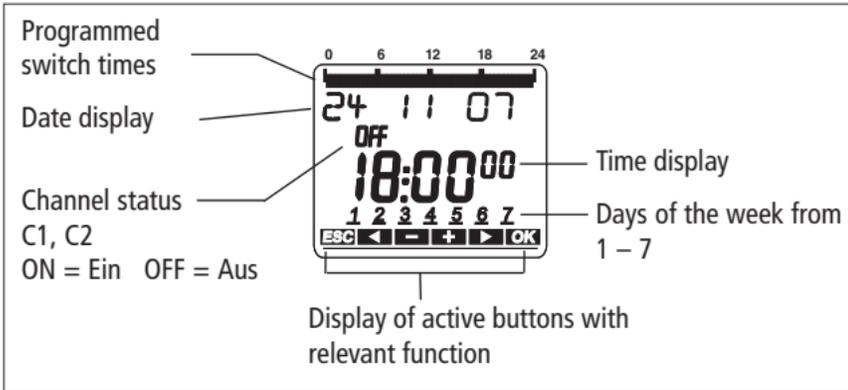
Designated use

- The time switch is used for pumps, air-conditioning, flushing etc. (electronic control)
- For use only in closed, dry rooms
- Do not use on safety devices, e.g. escape route doors, fire safety equipment etc.

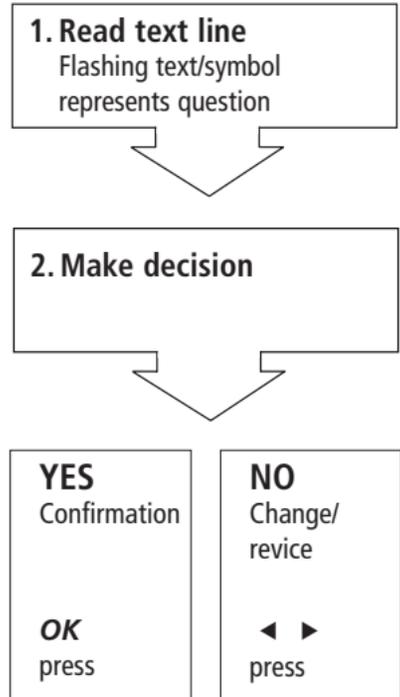
Disposal

Dispose of equipment in an environmentally-friendly manner

Screen display and keys

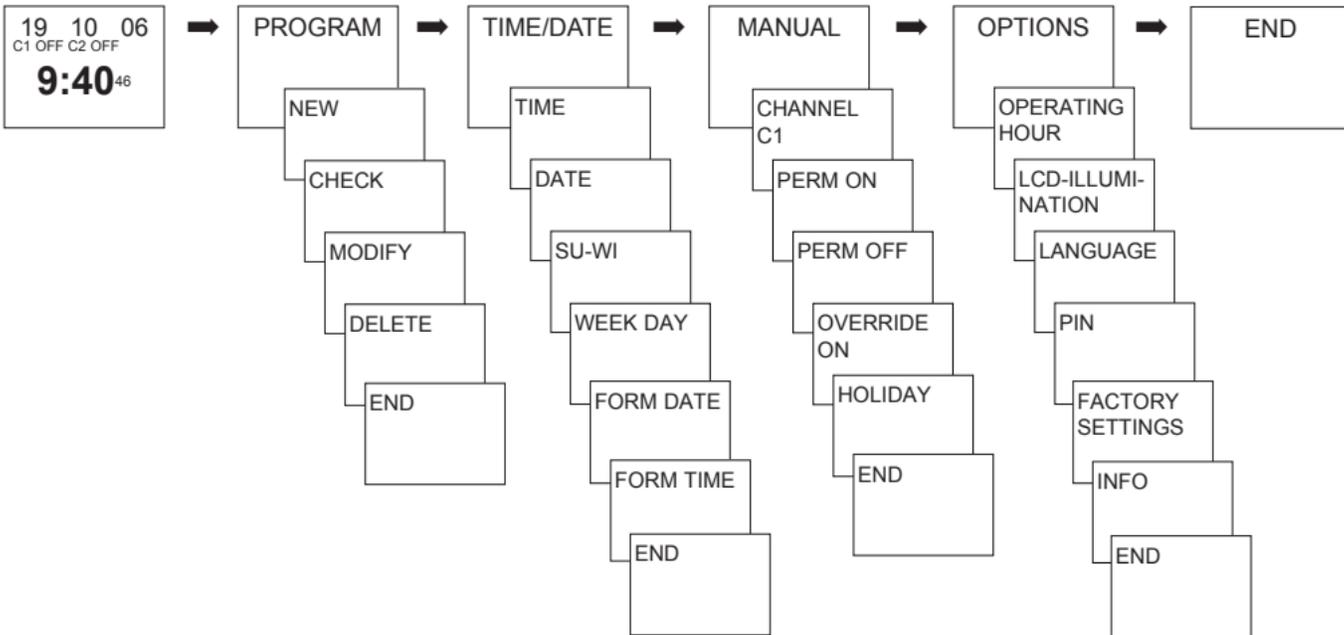


Operating principle



Menu overview

MENU



Connection

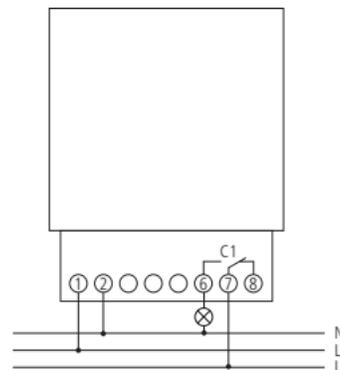


WARNING

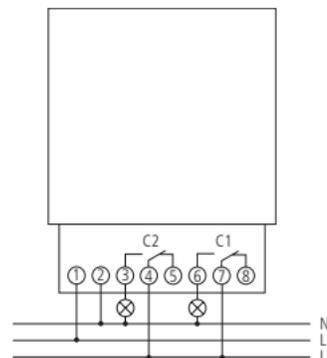
Warning, danger of death through electric shock!

- Must be installed by professional electrician!
- Disconnect power source.
- Cover or shield any adjacent live components.
- Ensure device cannot be switched on!
- Check power supply is disconnected!
- Earth and bypass!

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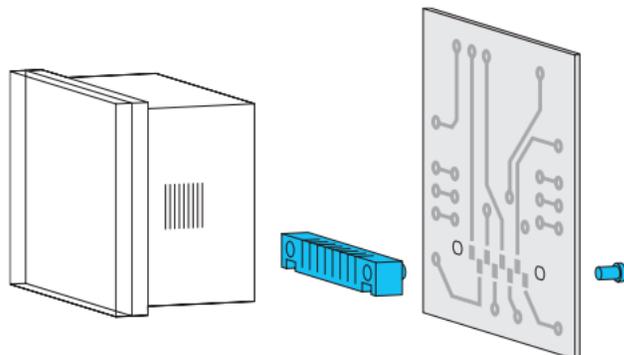
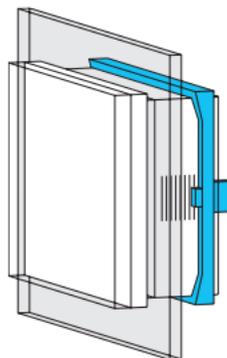
Front Panel installation

- for installation in front frame with transparent cover (in accordance with DIN IEC 61554)

 Connection only possible with insulated flat plugs.

- Observe minimum distances. Otherwise use the multiple contact strip 9075141 (accessory).

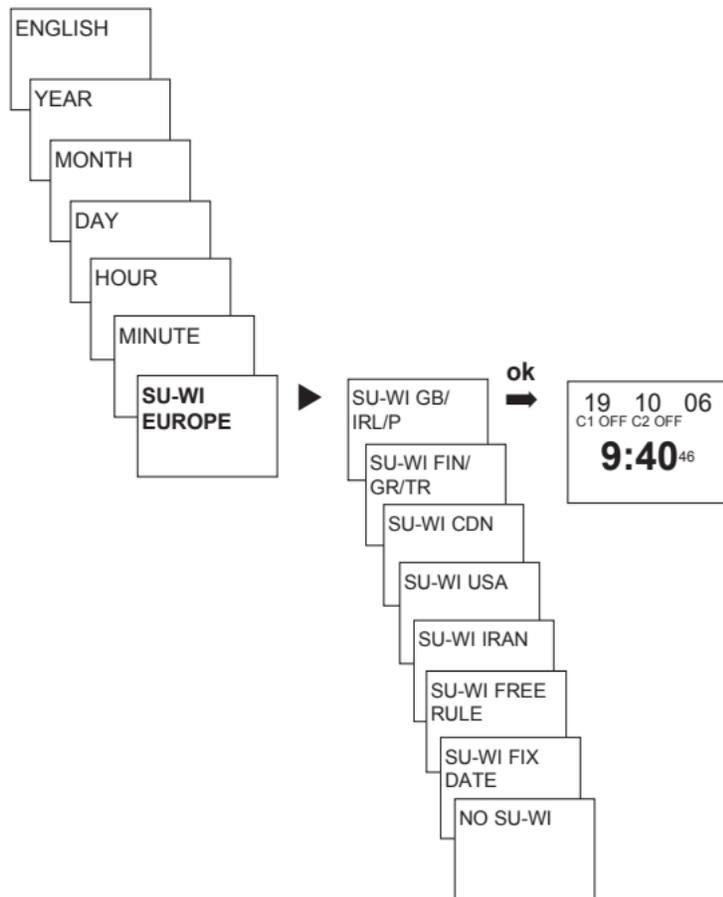
- PCB installation with accessories:
multiple contact strip 9075141



Initial start-up

Set date, time and summer-/winter time rule

- Press desired button and follow on-screen instructions.



RESET

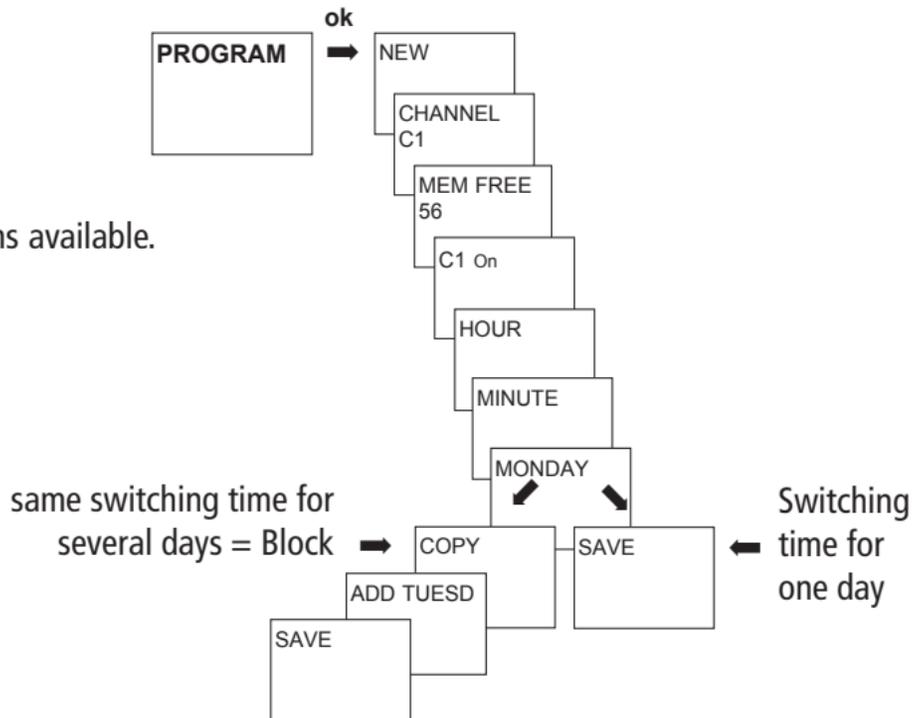
- Press the 4 buttons simultaneously.

You can choose between **RETAIN PROGRAMS** and **DELETE PROGRAMS**.

Program switching time

- Press **MENU**.
(see fig.)

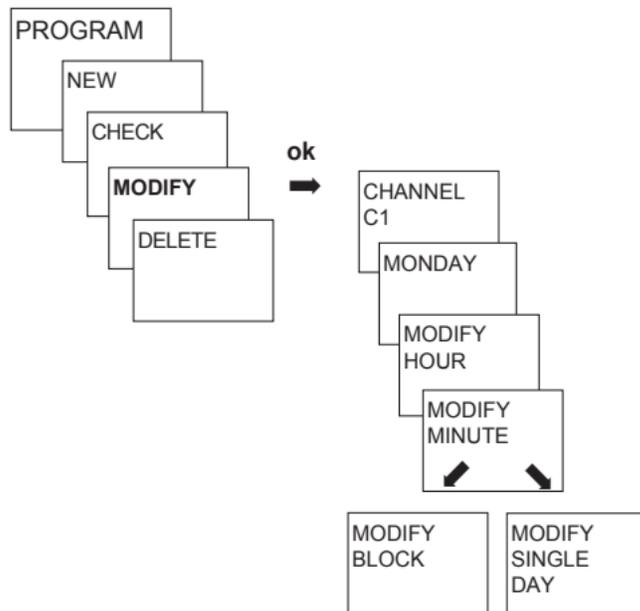
There are 56 memory locations available.



Change/delete switching time

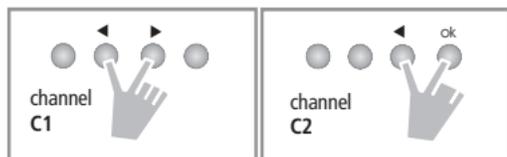
- Press **MENU**.
(see fig.)

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.



Manual and permanent switching

Manual and permanent switching can be selected by using menu option **MANUAL** or (in the automatic display) via a combination of buttons (see fig.).



Activate manual switching

- Quickly press both buttons simultaneously.

Activate permanent switching

- Press both buttons simultaneously for 2 sec.

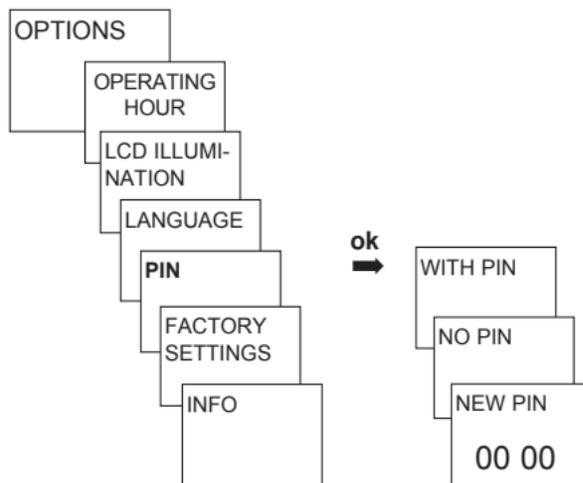
Cancelling manual/permanent switching

- Press both buttons simultaneously.

PIN code

The **PIN** code is set in the menu under **OPTIONS** (see fig.).

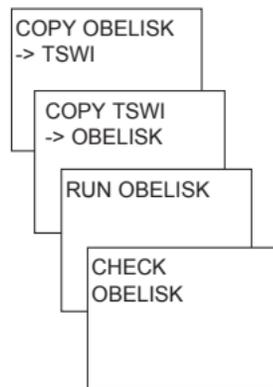
If you lost the PIN call the Theben Hotline.



OBELISK top2 memory card

Using memory card

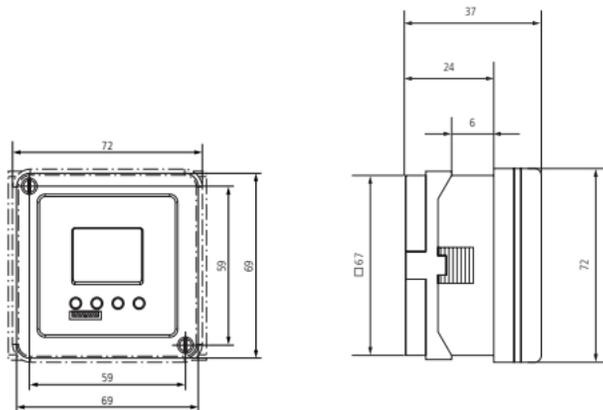
- Insert memory card in the time switch.
- Request saved switch timings, read to/from the time switch or start the Obelisk program.
- Remove OBELISK top2 memory card (No. 9070404) (optional) after programming etc. and store in cover.
- Avoid mechanical overload or contamination caused by other storage/transport.



Technical Data

- Rated voltage: 230–240 V AC, +10 %/-15 %
- Frequency: 50–60 Hz
- Power consumption: 1 W
- Standby: 1 W
- Switching output: switching of choice of external wires is permitted
- Contact: two way switch
- Contact material: AgSnO_2
- Gap: $<3 \text{ mm } (\mu)$
- Switching capacity max.: 2 x 6 (1) A, 250 V AC
- Permissible ambient temperature: $-10 \text{ }^\circ\text{C} \dots +55 \text{ }^\circ\text{C}$
- Protection class: II in accordance with IEC/EN 60730-1 with designated installation
- Protection rating: IP 20 in accordance with IEC/EN 60529

- Time accuracy: $\leq \pm 0,5 \text{ s/day}$ at $+25 \text{ }^\circ\text{C}$
- Power reserve: 10 years (lithium cell) at $+20 \text{ }^\circ\text{C}$
- Pollution degree: 2
- Rated impulse withstand voltage: 4 kV



Service address/Hotline

Service address

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