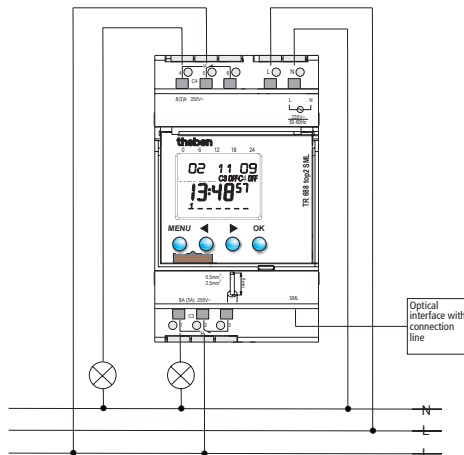


TR 688 top2 SML 688 0 104

**Installation and
operating instructions**
Digital Time Switch



TR 688 top2 SML

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Basic safety instructions

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WARNING

Danger of death through electric shock or fire!

- Installation should only be carried out by a qualified electrician!
- Warning: transient currents: TR 688 top2 SML devices are installations in over-voltage category III (rated input voltage 4 kV). Additional protective measures are required during installation if a device is to be operated in a higher overvoltage category.

- The digital time switch is designated for installation on DIN Top hat rails (in acc. with EN 60715)
- Corresponds to type 1 BSTU in accordance with IEC/EN 60730-2-7
- Power reserve (10 years) is reduced if memory card is inserted (in battery operation)

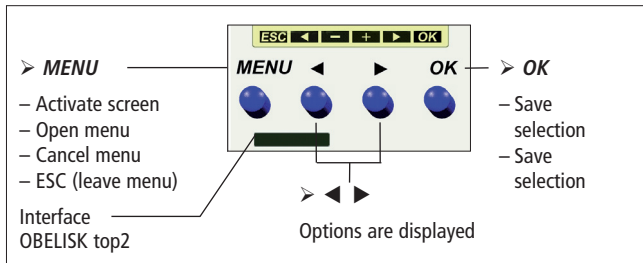
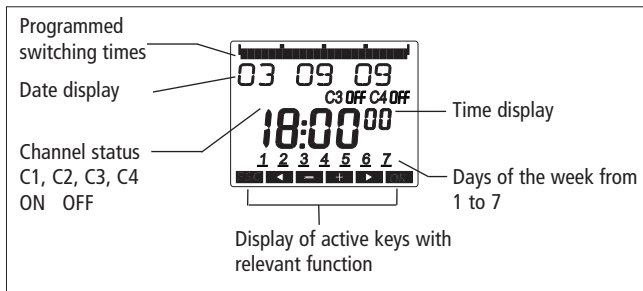
Designated use

- The relay outputs on the digital time switch are designed for switching lighting, ventilation etc.
- Channel 1+2: Control via SML signal, channel 3+4: Relay switching outputs
- Only for use in closed, dry rooms

Disposal

Dispose of device in environmentally sound manner

Screen and keys



Operating instructions

1. Read text line

Flashing text/symbol represents query

2. Make a decision

YES

Confirmation

OK
press

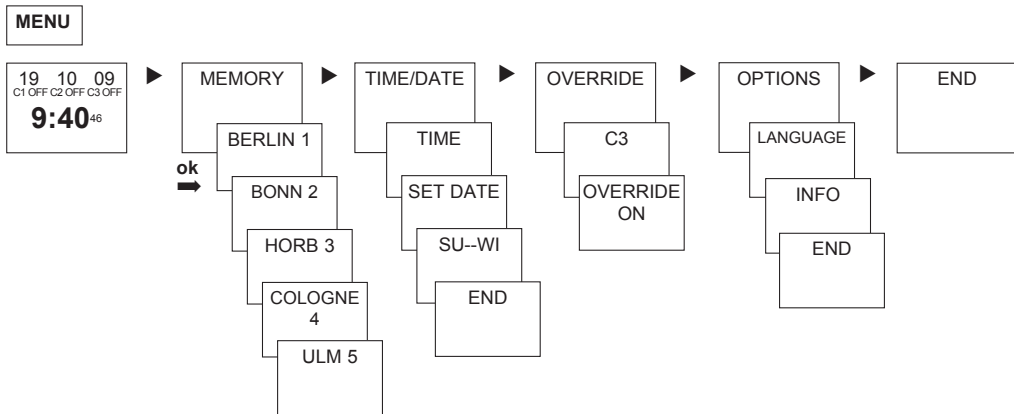
NO

Amend/
change

◀ ▶
press

Overview of menu selection

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Connection/installation



WARNING

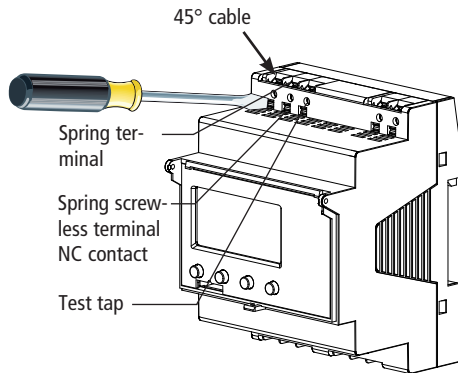


Warning, danger of death through electric shock!

- Must be installed by qualified 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!

Connect cable

- Strip cable by 8 mm (max. 9).
- Insert cable at 45° in the open terminal (2 cables per terminal is possible).
- Only with flexible wires: Press screwdriver downwards to open spring terminal.



RESET

- Press the 4 buttons simultaneously.

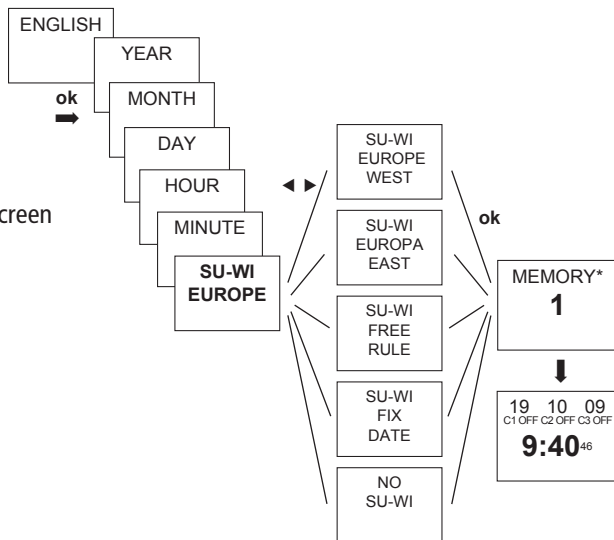
All switching times and settings are retained after RESET. Date and time values equate to last power failure.

Initial start-up

Activate time switch

Set language, date, time and
summer/winter time
changeover

- Press desired button and follow on-screen instructions.

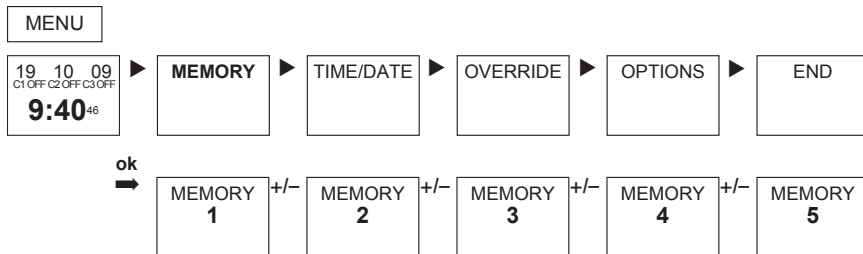


*Text is entered in OBELISK top2 software.

Select MEMORY

You can choose one of **5 MEMORY** slots each with 200 memory locations. A memory location can store a switching time or date range allocated to a channel. One program memory is always active.

➤ Press **MENU**.

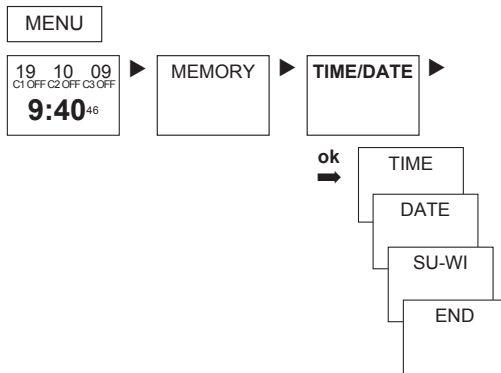


➤ Use **+** or **-** to select desired memory and confirm by pressing **OK**.

Set date, time and summer/winter time changeover

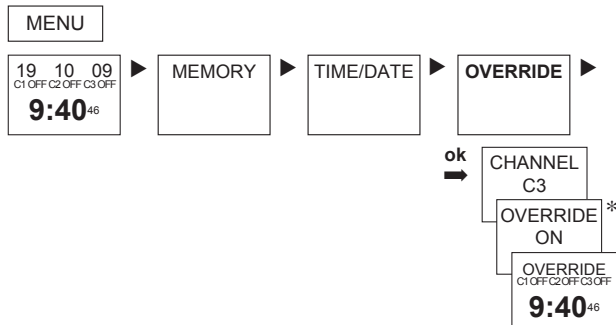
- Press **MENU**.
- Use ◀ ▶ to select desired (TIME/DATE) setting.
- Confirm by pressing **OK**.

For information on the various date rule options, see the **initial start-up** chapter.



Set manual control

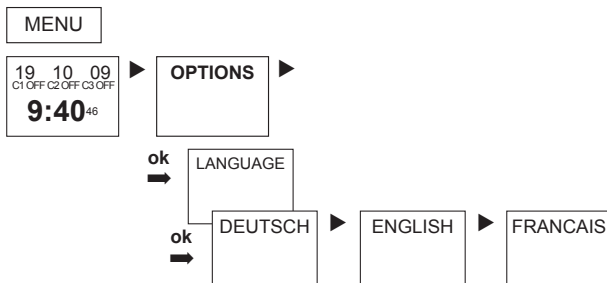
- Press **MENU**.
- Use ◀ ▶ to select desired (OVERRIDE) setting.
- Confirm by pressing **OK**.



- * OVERRIDE OFF appears when relay is switched on. If manual switching has already been programmed and is to be deleted, END OVERRIDE appears on screen.

Set language

- Press **MENU**.
- Use ◀ ▶ to select desired setting (LANGUAGE).
- Confirm by pressing **OK**.

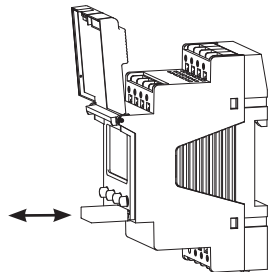


OBELISK top2 memory card

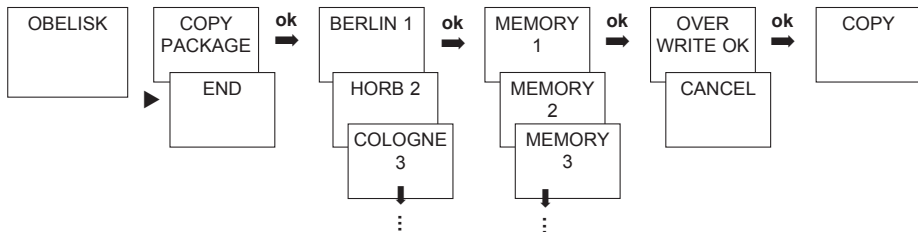
Using memory card

- Insert memory card in the digital time switch.
- Copy stored data.
- Remove OBELISK top2 (No. 907 0 894) memory card etc.

The program can only be entered in the digital time switch via this OBELISK interface.



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Technical data

- Operating voltage: 120–230 V~ –15 %/+10 %
- Frequency: 50–60 Hz
- Power consumption: approx. 1,2 W
- Standby: approx. 0,3 W
- Contact: 2 two way switches
- Switch output: floating
Switching of choice of external wires is permitted. Switching of SELV is not permitted.
- Gap: <3 mm (μ)
- Contact material: AgSnO₂
- Switching capacity max.:
channel 1+2: triggering an SML command
channel 3+4: 8 A, 250 V~,
 $\cos \varphi = 1$, (3 A, 250 V~, $\cos \varphi = 0,6$)
- Switching capacity min.: 10 mA/230 V AC
100 mA/24 V AC/DC
20 mA/120 V AC
- Time accuracy: $\leq \pm 0,25$ s/day at +23 °C
- Power reserve: approx. 10 years at +20 °C
- Permissible ambient temperature: –25 °C ... +55 °C
- Protection class: II in accordance with EN 60730-1 for designated installation
- Protection rating: IP 20 in accordance with EN 60529
- Pollution degree: 2
- Rated impulse voltage: 4 kV
- Data interface: SML interface (RJ 10)

Service address/Hotline

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Service address

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Hohenbergstr. 32

72401 Haigerloch

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