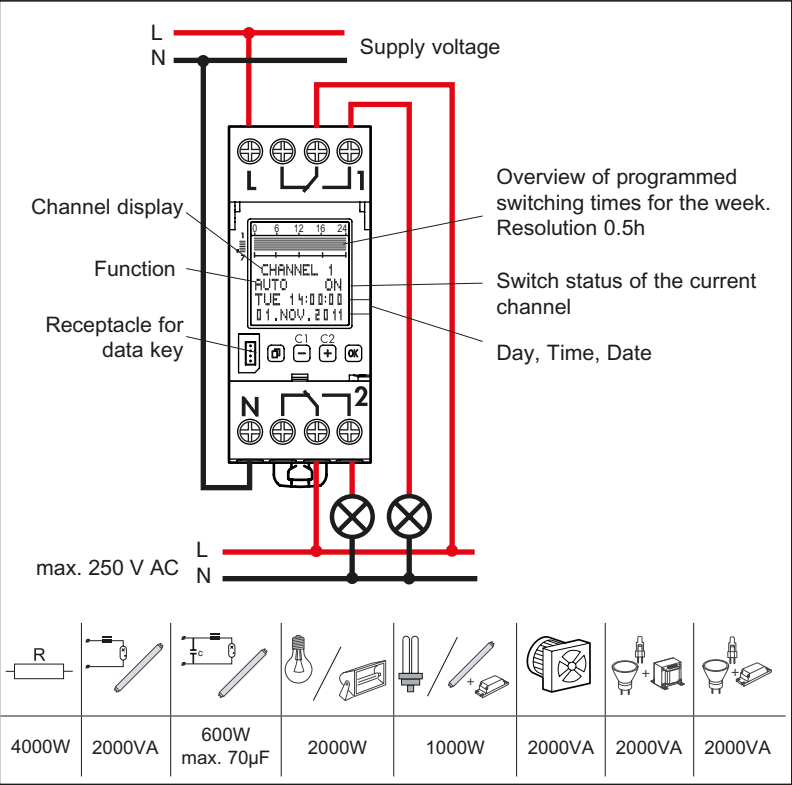


⚠ Safety notes

This product should preferably be installed by a qualified electrician. Non-compliance may result in a fire hazard or electric shocks. Before installation, read the operating instructions and observe the product-specific requirements for the installation location. Use only original spare parts for repair and maintenance. All products may be opened and repaired only by specially trained personnel. Unauthorised opening and repair by other persons will invalidate all claims for liability, replacement or warranty services. The device contains a LiMnO₂ primary cell. When the product reaches the end of its life, this cell must be correctly removed and disposed of in accordance with national legislation and the requirements of environmental protection.

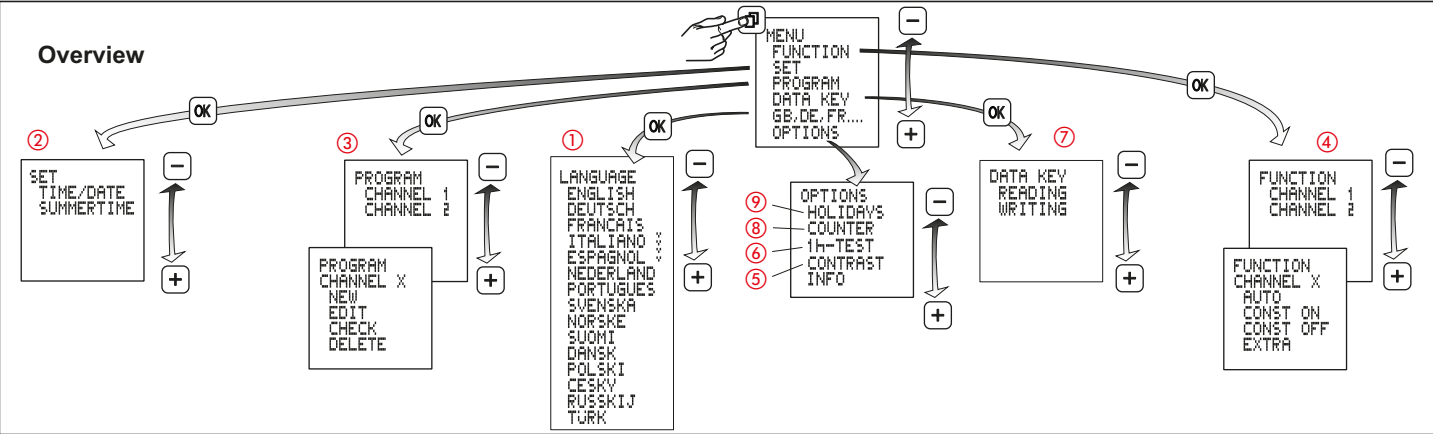


Operating principle: Type 1.B. S. T.
IEC/EN 60730-1, IEC/EN 60730-2-7
Montage: in distribution panel,
Degree of contamination: 2
Switch output, potential-free
Rated impulse voltage: 4 kV

General information

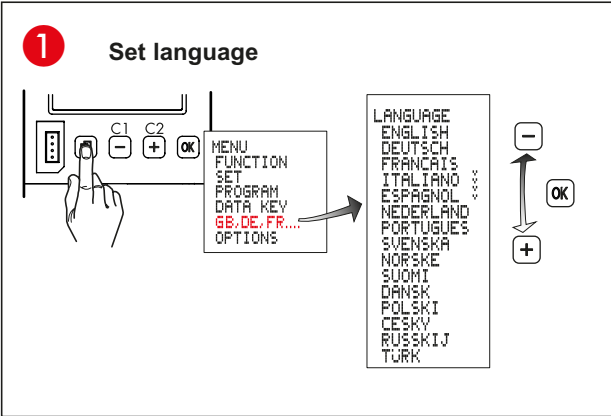
- Start-up: after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current program.
- Battery backup
 - Backlighting not active
 - Data key READ/WRITE only via the menu
- For safety, when the time switch is connected to the mains supply the contact should not be used on an isolated low voltage supply and when the time switch is connected to the isolated voltage supply the contact should not be used on the mains supply.

- Select menu, back to main menu, Hold down > 1s = operating display
- Confirm selection or load parameters
- Select menu options or set parameters
- Channel selection



Technical data

Supply voltage:	230 V 50/60 Hz
Consumption :	ca. 1,5 W
Contact rating:	2 changeover contact 16 A 250 V~µ cos φ = 1
Parallel compensation	600 W max. 70 µF
Accuracy :	~ 0,3 s/day
Terminal capacity:	single strand multi strand
Programmes:	1,5...4 mm² 1,5...2,5 mm²
Battery reserve:	28 per channel
Storage ambient:	5 years
Working ambient:	-20 °C to +60 °C
IP:	-20 °C to +55 °C
	20

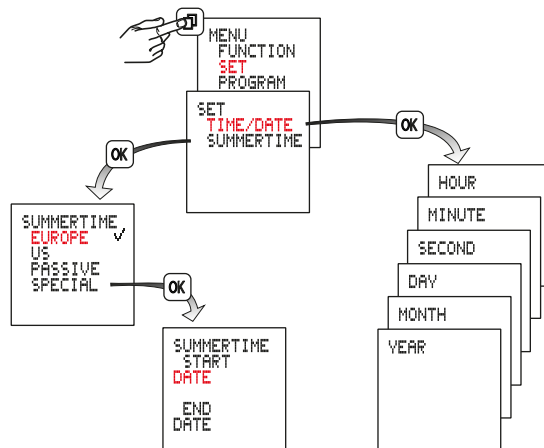


2 Set time/date, summertime/wintertime

Summertime: ± 1 hour

Europe: Factory set

SPECIAL: The switchover to/from summertime can be freely programmed by entering a start date and end date and is then executed each year on the same day of the week, e.g. Sunday

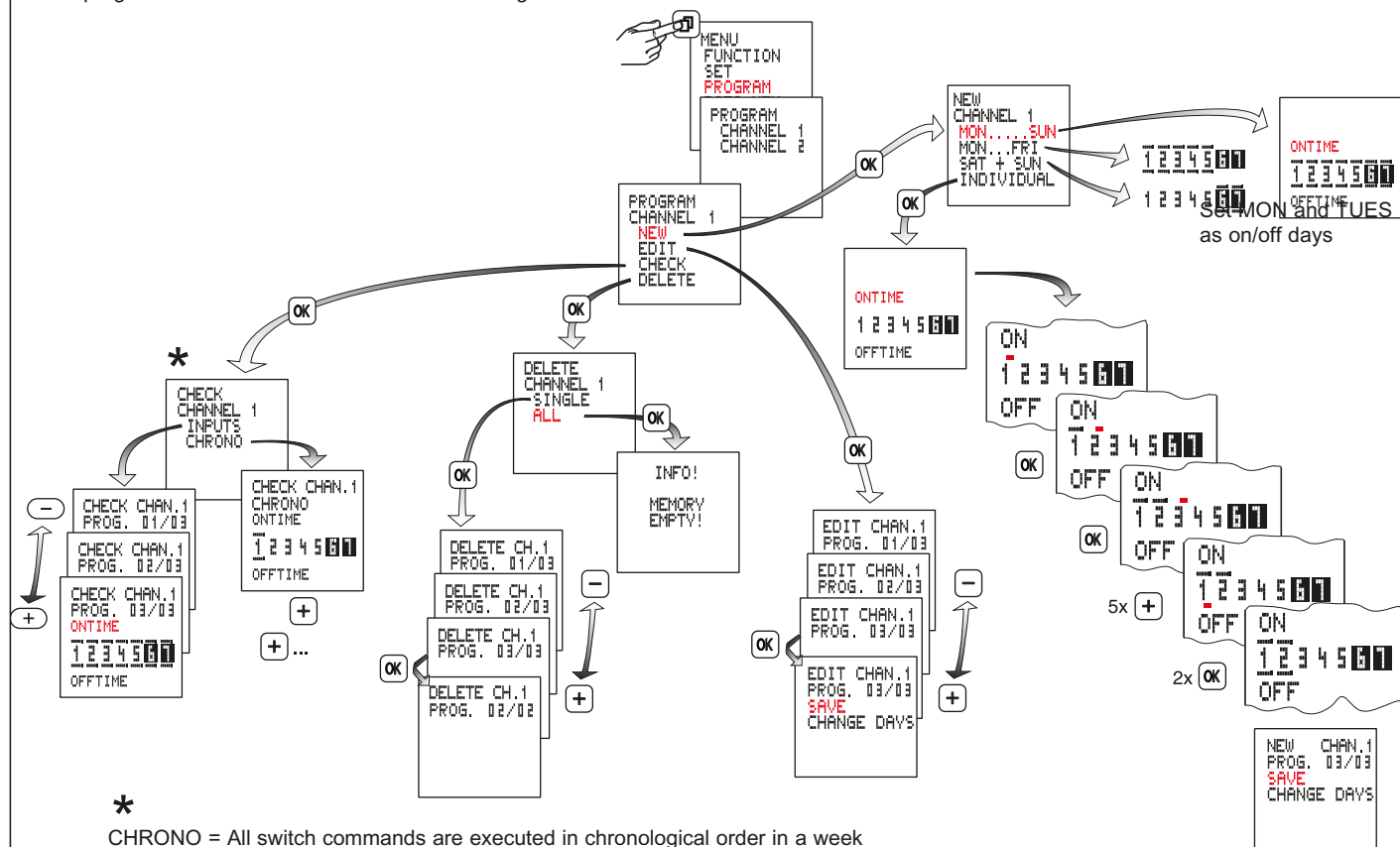


3 Programming

A program consists of an ON time, OFF time and associated on and off days.

Programs with predefined on/off days (Mon to Sun, Mon to Fri and Sat and Sun): for these programs, you only need to set the switching times. With the „INDIVIDUAL“ option, you can allocate switching times to specific days of your choice.

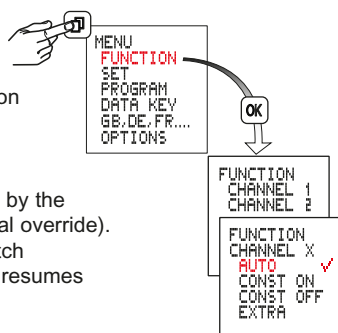
The programs of a channel are combined with a logical OR.



4 Modes

- **Auto** - Automatic operation
- **Constant ON**
- **Constant OFF**
- **Extra**

The switch status imposed by the program is inverted (manual override). With the next effective switch command, the time switch resumes control of on/off switching.

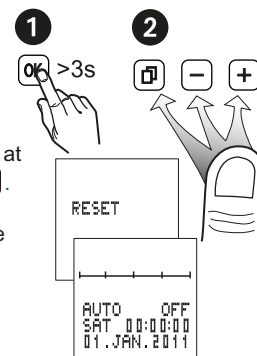


Reset

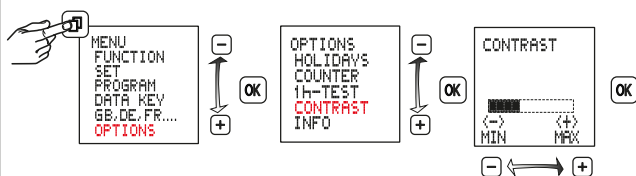
Warning!

The memory will be cleared, and all set data will be lost.

Hold down **OK** for more than 3 seconds and at the same time press and release **ON** **OFF** **ON**. The language, time, date, summertime/wintertime and switching times will have to be reentered.

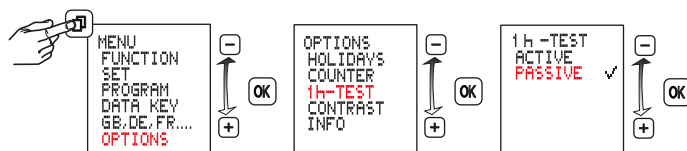


5 Contrast adjustment



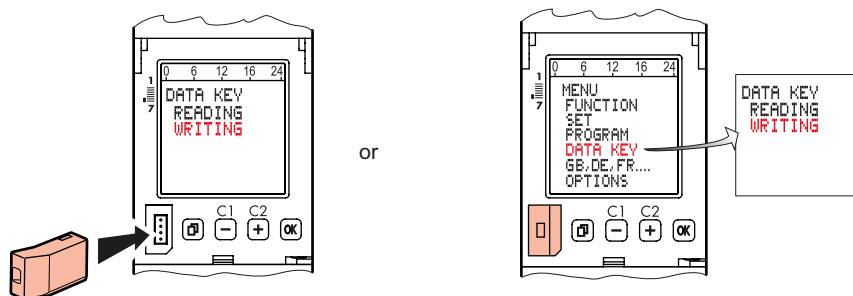
6 1 h-Test

When this function is activated, the outputs are switched on for one hour.



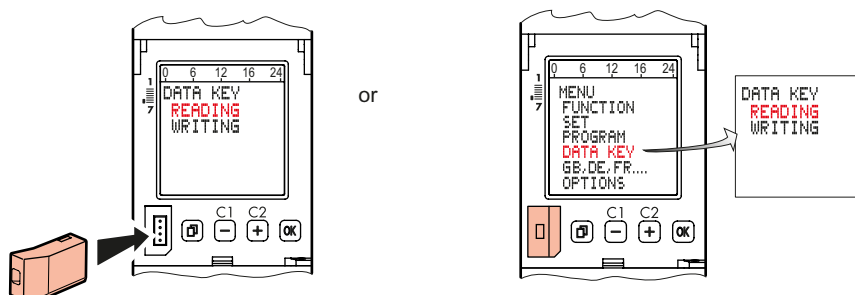
After one hour, the time switch returns automatically to the programmed mode.

7 Data key



Load the programs of the time switch on to a data key (WRITE KEY)

Warning! all programs stored on the data key will be overwritten.

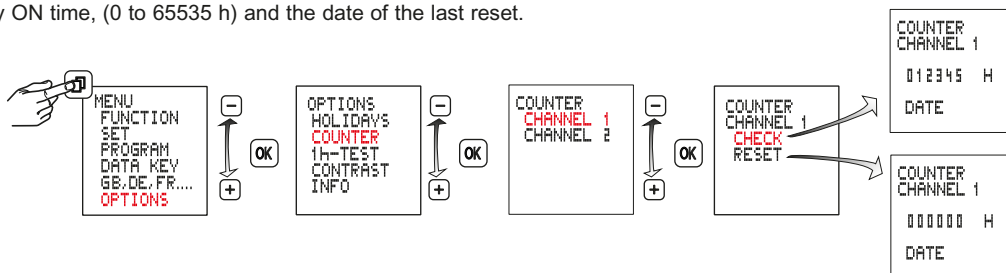


Load the programs from the data key to the time switch (READ KEY)

Warning! all programs programmed in the time switch will be overwritten.

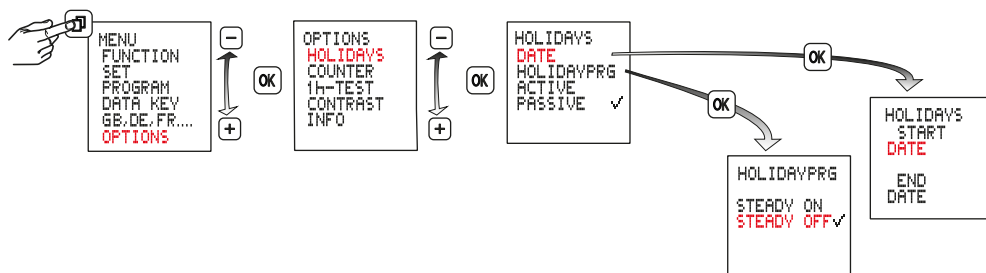
8 Hour counter

Displays the total relay ON time, (0 to 65535 h) and the date of the last reset.



9 Holidays

After activation the holiday program is executed between 0:00h on the start date and 24:00h on the end date (Constant ON/OFF).
After the holiday program has run once, it must be reactivated.



Warning: Elektrical shock - Disconnect all power from the device before dismantling the module and replacing the battery.
Always use a Li cell type battery (LiMnO₂) CR2477,
3V high temperature type min +85 °C

