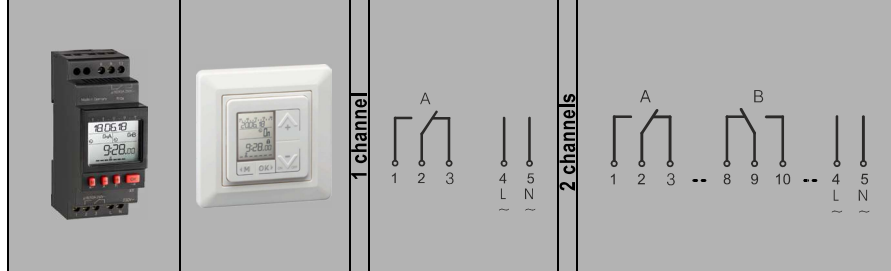


Time switch

Connection diagram



1. Safety instructions

- ⚠ The installation and assembly of electrical equipment must be only carried out only by a skilled Person! Otherwise fire danger or danger of an electric shock exists!
- ⚠ Connect the supply voltage/frequency as stated on the product label!
- ⚠ Warranty void if housing opened by unauthorised person!
- ⚠ The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits!

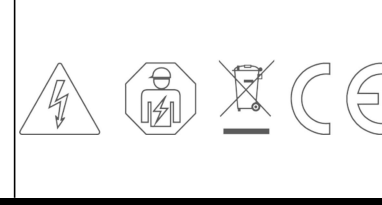
2. Initial operation

- The time switch is delivered in sleep-mode off.
- Press **OK** / **M** button to wake it up.
- The current date and time is already programmed. Daylight savings time is activated.
- Select the desired language by pressing **OK**. (Remark: By pressing **M** backwards from the current position)
- If required, date, time and daylight saving adjusted also by pressing **M**-buttons with **OK**.

3. Technical data

Supply voltage	230 V, 50-60 Hz
Power consumption	0,2-1,0 W (depending on the switching status)
Contact material	AgSnO2
Type of protection	IP 20 to DIN EN 60529
Permitted ambient temperature	-30°...+55°
Mode of operation	1 BSTU
Degree of contamination	2
Rated surge voltage	4 kV
Standard	DIN EN 60730-1/DIN EN 60730-2-7
CFL, LED	Ideal for modern lamps

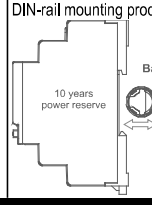
4. Service



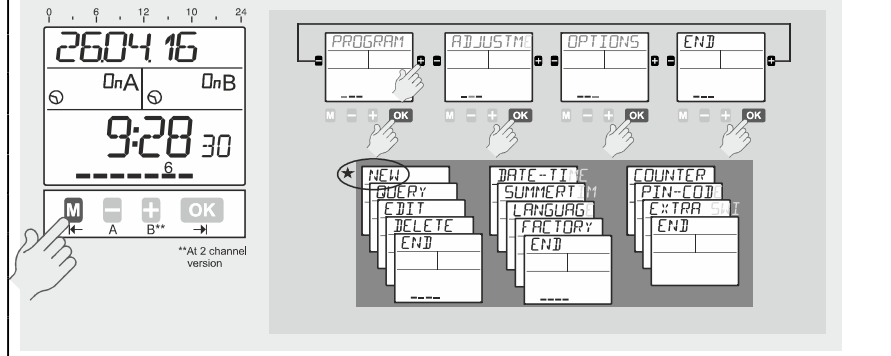
5. Intended use

The device fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc. Operate the device in a dry room only! The installation must be in accordance with the instruction manual. The device is not qualified for security relevant tasks such as emergency doors, fire protection equipment

6. Battery



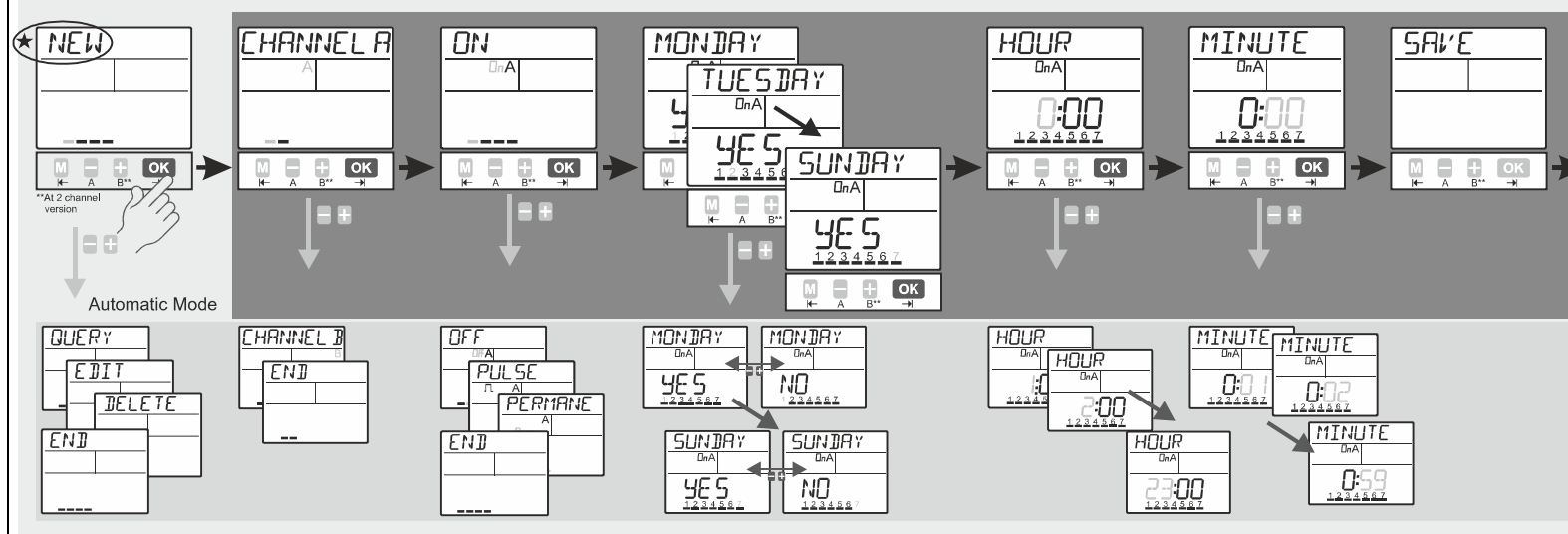
7. Menu overview



8. Symbol legend

	Channel is switched ON
	Channel is switched OFF
	For the current date the "holiday program" / "permanent by date" is activated
	Standard programming step
	Current state is based on a manual over-ride. The state will be cancelled with M
	Current state is based on a manual over-ride. The state is permanent until term
	Days of the week Monday, Tuesday, ... Sunday; The underscores indicate if the program is active for the days above.
	Current state is based on a switching time with pulse function
	The time switch is locked; to unlock the device the PIN has to be entered.

9. New Program



10. Key function

M	1. To access the Enter-mode (program, adjustments, options) from the automatic-mode. 2. To revert to the beginning of the current (sub-) menu.
- +	1. To adjust the flashing digit. 2. To scroll through a choice
A B	1. Automatic-mode: To switch the channel ON or OFF until the next programming step occurs. 2. Automatic-mode: A push longer than 3 sec. = Permanent switching status.
OK / M	1. To activate the time switch when operated without power supply. 2. To confirm the selection or the entered data.

11. Handling advice

- The time switch is programmable without external power supply after pressing the **OK** / **M**-button.
- To revert one step or one level back while in the Enter-Mode press **M**.
- After completion of a (sub-) menu confirming **end** will return the device into the automatic-mode.
- With **M** the choice changes from **end** to **continue**. By confirming **continue** the time switch returns to the beginning of the current (sub-) menu.
- When confirming **end** before completion, the time switch returns to the automatic-mode without saving the entered data.

12. Permanent / Extra

Permanent On / Off
24.12. 2017
08:00 - 20:00
⊙ Perm OFF A
Extra switching times
optionally selectable
28.07.
08:00
DnA

13. Additional adjustments

Menu	Main menu	Application
Program query	Program	To query the programming steps and remaining memory locations
Program delete	Program	Deletion of switching time(s). The program for all channels, single channels and single programming steps within on channel can be deleted.
Date-Time	Adjustment	Adjustment of date and time
Summertime	Adjustment	Adjustment of the daylight saving time mode (ON/OFF)
Language	Adjustment	Choice of languages
Factory Defaults	Adjustment	Reset to the state of delivery.
Counter	Options	Displays the hour counter and pulse counter for each channel and the time switch itself.
Lock	Options	The time switch can be locked with a 4-digit PIN-Code. The code

14. Pulse

The pulse function provides you the opportunity of programming a switching time with a defined duration. As soon as the pulse-duration has expired the time switch switches OFF automatically (the duration of the pulse is up to 9999 s). The programming is carried out like a standard switching time (see point 8 / 9) with following differences

- Choose **Pulse** function (9F).
- Define the duration of the pulse (**pulstime minute / pulstime second**).
- Program the days of the week
- Program the switching time (**time hour / time minute**)
- Validation: Confirm the blinking summary of the pulse program

15. Programming via NFC

The near field communication (NFC) is an international standard to transfer data wireless over short distances (10-20 cm or less). You can use a smartphone to transfer switching times and further information fast and secure to the time switch.

