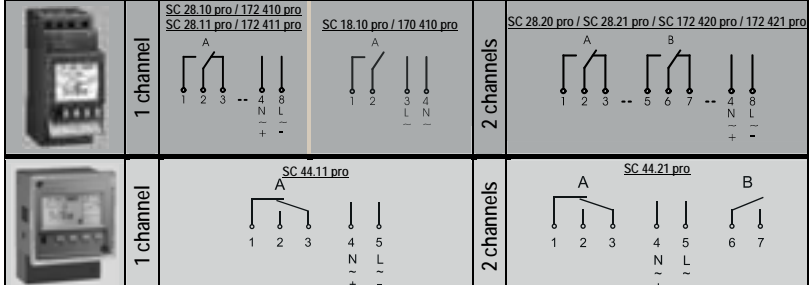


Time switch

Connection diagram



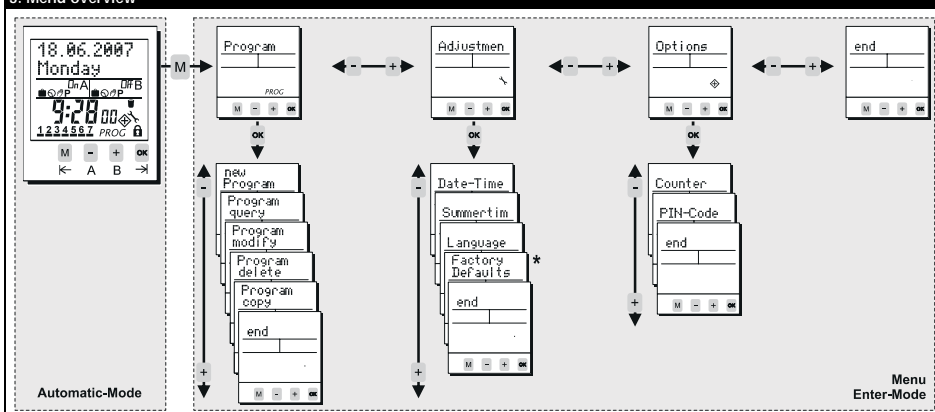
1. Safety instructions

- The installation and assembly of electrical equipment must be only carried out only by a skilled Person!
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, the display is switched off.
Press OK-button for 1 second.
The current date and time is already programmed and European daylight savings time is activated.
Select the desired language by pressing +/- buttons and confirm it by pressing OK.
If required, date, time and daylight savings time mode can be adjusted also by pressing +/- buttons and a subsequent confirmation with OK.

3. Menu overview



4. Symbol legend

Table with symbols and their meanings: On (Channel is switched ON), Off (Channel is switched OFF), Holiday program symbol, Standard programming step, Manual override symbol, Permanent override symbol (P), Days of the week, Switching time with pulse function, Program delete symbol, Lock symbol (PIN).

5. 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 (7).
OK: 1. To activate the time switch when operated without power supply. 2. To confirm the selection or the entered data.

6. Handling advice

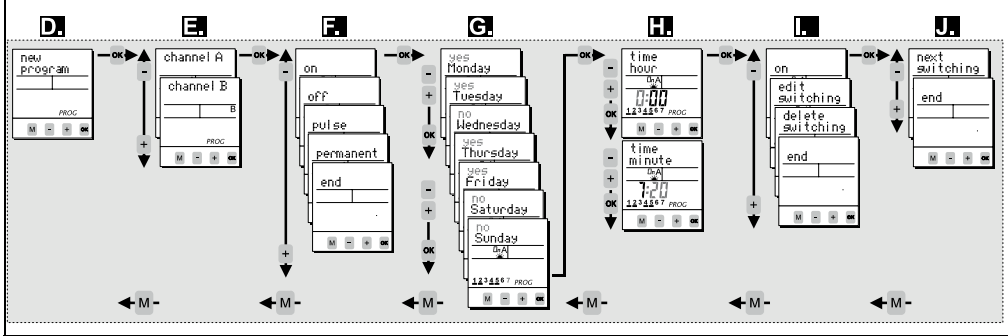
- The time switch is programmable without external power supply after pressing the OK -button.
To revert one step or one level back while in the Enter-Mode press M.
After completion of a (sub-) menu confirming end will return the device into the automatic-mode.
With +/- the choice changes from end to 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.

7. Channel ON OFF / Permanent P

Channel ON OFF
By pushing A/B-buttons (+/-) a manual switch of the channels take place. The resulting switching status is marked with the hand-symbol and remains until the next programming step occurs. (temporary over-ride)
Permanent switching status P
By pressing the corresponding channel button A/B for more than 3 sec. the channel is permanently switched ON or OFF. The status remains until the next manual switching occurs (> 3 sec.). (permanent over-ride)

8. New Program (See also the example (9))

Step A. to C. please refer to point 9. (Example "New Program")



9. Example „New Program“ (For a regular switching time)

- A. If power supply is disconnected press OK for one second. The display appears in Automatic-Mode.
B. Press M, the time switch is now in the Enter-Mode.
C. Confirm Program with OK.
D. Confirm new program with OK.
E. Choose the desired channel with +/- and confirm with OK.
F. For regular switching times choose on or off with +/- buttons and confirm with OK.
G. Within this level you activate the days of the week (1...7) on which the switching time should happen. With +/- you activate "yes" or deactivate "no" the corresponding date. Confirm each day with OK.
H. Adjustment of the time: Hours +/- and OK. Minutes +/- and OK.
I. Verify the entered switching time: If the flashing summary of the programming step is correct, verify on or off with OK. After verification you have the choice between edit/delete and end with +/-.
J. If you want to proceed with programming, confirm next switching with OK. To leave the programming menu confirm end.

10. Pulse

Program -> New program -> Channel A/B -> [P]
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 59:59 mm:ss). 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

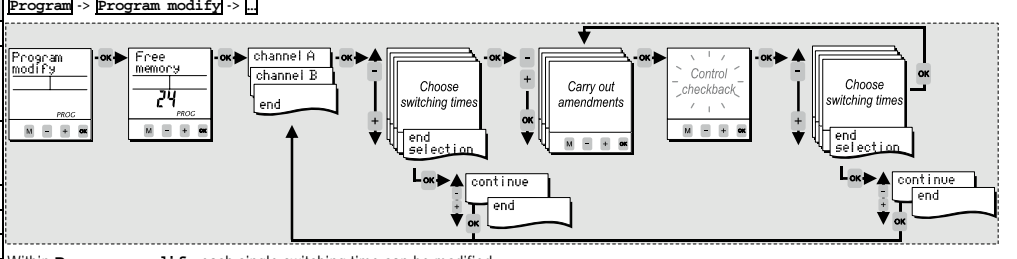
11. Program permanent

- Program -> new program -> channel A/B -> permanent -> ...
One permanent by date programming step (holiday function) for each channel is possible. During the desired period (The function is valid for the whole days) the channel can be switched off (permanent off) or on (permanent on).
The programming of this function is as described in (8 / 9).
The choice permanent will not be offered anymore within the menu new program when already in use. The switching time can be modified and deleted within Program modify (13) and Program delete (12) respectively.

12. Additional adjustments

Table with columns: Menu, Main menu, Application. Rows include Program query, Program copy, Program delete, Date-Time, Summertime, Language, Factory Defaults*, Counter, PIN-Code, and Reset-Function.

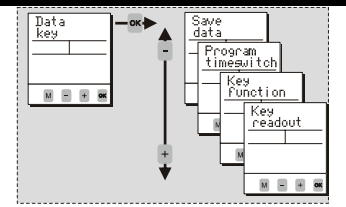
13. Program modify



Within Program modify each single switching time can be modified.

14. Data-key *

- With a Data-key following activities are possible:
Save data: Writes the data from the time switch into the memory of the Data-key.
Program timeswitch: Writes the data located inside the Key into the memory.
Key function: The time switch will solely apply programming steps from the Data-key. The switching program of the time switch is suppressed.
Key readout: To query the switching program of the Data-key.



*OPTIONAL