

The yearly function of the switch is realised by special (weekly) programs which can be called up by date. Up to 10 special (weekly) programs can be entered (Program-Number 01-> Program-Number 10). Execution of the Special program only after activation by date (SP activation see point 17).

Some rules for the programming of Special programs

- Define the program number in which the new step will be an element before a new switching step is entered.

 (Program-number 01 Program-number 10)
- The number of switching times which can be programmed in each special program is only limited by the total number of free memory locations
- (SP on, SP off, SP cycle, SP pulse)
- The dates of the year during which the special program should be applied can be entered within the activation menu (point 17)
- Each special program can be activated as often as there are memory locations are available (point 17)
- During the activation dates of special programs only switching steps of the special program with highest priority will be executed. Remaining special and standard programs are disabled.
- Please note the priorities of the different switching programs (point 15)
- Information: You can easily transfer switching times from one channel to the other if you use the copy function,

17. Special program activation by date (within yearly time switches next switching End xtra witchin sta das edit suitching End 24: 12 program delete switching End End 0 l- là

end day

27:12

A special program will only be executed if it is activated (and if it has the highest priority of all active switching programs (point 15)). Special programs can be activated as often as free memory locations are available. You can choose the special program (Program-Number), the dates for activation (Start-date until End-date) and additionally following options:

- Without special function: Special program will be applied each year fixed to the entered dates
- With Easter function: The time switch takes into account the yearly shift for Easter holiday for the following years and corrects the activation dates. (For programs relative to Easter, Pentecost Carnival Ascension
- With 1xfunction: Special program will be applied only once.

Information: You can easily transfer switching times from one channel to the other if you use the copy function.

Extra switching time (within yearly time swi

Program -> new program -> channel A/B/C/D -> Extra switching time -> ...

These programming steps are single switching times by date. Extra switching times do not disable switching programs with lower priority.

Adjust the switching function (ATon, AToff, ATcycle, ATpulse) and the date on which the extra switching time will be executed. The following options are additionally available for the Extra switching time:

- Without special function: The switching time will be applied each year fixed to the entered date.
- With weekday function: The switching date takes into account the yearly shift of the weekday of the month.

End

- (E.g.: The switching date is always the second Saturday in February for the current and the following years)
- With lxFunction: The switching time will be applied only once.

19. Permanent program Program -> new program -> channel A/B/C/D -> permanent -> ...

The permanent by date program (holiday program) is a permanently on or off status of the channel for the programmed dates. The number of switching times is only limited by the total number of free memory locations. Adjust channel, switching function and the duration by date. The following options are additionally available for the permanent by date program:

- Without special function: The program will be applied each year fixed to the entered dates.
- With Easter function: The time switch takes into account the yearly shift for Easter holiday for following years and corrects the activation dates. (For programs relative to Easter, Pentecost Carnival, Ascension
- With 1xfunction: The Program will be applied only once

20. External Input (within 70 mm time switches) Options -> Input-> ...

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The external input can be connected to a switched contact such as a push-button or light switch. Therefore you can activate and de-activate functions from a remote ocation or automatically from a control system:

Connection external inputs:

- Connect the voltage/frequency as stated on the product label!
- External input 1: A switch or pushbutton can be connected to EXT 1: Terminal 6 (Voltage EXT 1 = Supply voltage of the time switch)
- External input 2: A potential free switch or pushbutton can be connected to EXT 2: Terminals 13 u. 14 (potential free = 0V)

21. Switchoff warning |Options -> Switchoff warning -> |

Within menu Options and submenu Switchoff warning the early warning switch off function can be activated and deactivated:

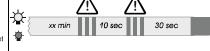
- Warning No: The function remains inactive.
- Warning Yes: The function is activated and the switch off is signalled in advance (For illumination purposes the warning is signaled by the flashing of the light according DIN 18015-2 = warning to avoid sudden darkness).
- An activated warning affects all channels and all OFF switching times

Functional options of the "external input":

Within menu **Options** and submenu **Input** you have to define if a switch or a push-button-signal will be applied to the external input. Furthermore you can choose the channel(s) which react to the external signal:

- Using the 🖅 -buttons select if you are connecting a pushbutton or a switch and confirm by pressing 🛚 🕷
- Select the channel(s) which will be controlled by the external signal with the □ the buttons (channel ... yes) and confirm by pressing

 Channels which should not be controlled by the external signal aremain deactivated, confirm channel ... no then press to confirm
- Define a response function within menu Options and submenu Channel-keys. This function will be performed by the output channel when the external input is activated!
- The pre-defined (default) setting is the standard 'Change function' which changes the switching status from ON to OFF and vice versa.



Counter

PIN-Code

Options -> channel-keys -> ...

Within the Options menu you will find submenu channel-keys. Here you have the opportunity to assign different response functions to the output channels.

These response functions will only be carried out when using the channel-keys color of the time switch (manual over-ride) or optionally when activating the channel with the external input. Thus, a programmed switching time will be executed as usual, independent of the settings within this hannel-key-menu.

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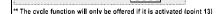
The correlation between the channel-keys and the channels is as follows channel A => channel key A (push-button "A" of the device) / channel B => channel key B ...

Overview "channel-keys" functions:

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If you have assigned a specific response function to a channel, this switching function will occur if you push the channel-button on the front plate of the time switch (or if the external input for this channel is activated and a signal is applied to the input). For each channel one out of the following functions can be

- function (default setting): By pressing the channel key (or optionally using the external input) the switching status changes from OFF to ON. This corresponds to a standard manual over-ride of the channel.
- Timer function: By pressing the channel key (or optionally using the external input) the Timer starts and the corresponding channel switches ON. After the expiry of the Timer-time the channel switches OFF. If the channel receives another signal before the expiry of time the time switch reacts as follows:
 - After pressing the channel-button = Timer stops and the channel switches OFF.
 - Signal on the external input = Timer restarts/ Staircase lighting timer -> Resettable.
- Cycle 1 4: By pressing the channel key (or optionally using the external input) the cycle function starts. Attention. This function is only available if the cycle is activated and defined in advance within menu Options and submenu Cycle
- Perm on: By pressing the channel key (or optionally using the external input) the channel switches permanently ON. This status remains active until the channel key of the device is pressed again.
- Perm off: By pressing the channel key (or optionally using the external input) the channel switches permanently OFF. This status remains active until the channel key of the device is pressed again
- Ill The Change function, Timer function and Cycle functions will be overridden by the regular switching program or by a manual over-ride!!!



Options

Options

24. Program 23. Additional adjust Program -> Program modify -> ... To query the programming steps and remaining memory location Program query Program copy from one channel to another. Memory of the channel won't be Program copy Program verwritten; the copied switching steps appear additionally. Carry out 24 A Permanent by date function is not copied! Deletion of switching time(s). The program for all channels, single channels and single programming steps within on channel can be M - H -Program delete Program eleted. continue end L∝►▲ continue Adjustment of date and time Date-Time Adjustment Adjustment Adjustment of the daylight saving time mode (ON/OFF) Summertime Adjustment Choice of languages Language Within Program modify each single switching time can be modified. Reset to the state of delivery. actory Defaults Adjustmen ▲ Date, time and switching program will be lost!

- 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.

time will be deleted and have to be re-entered. The switching program has no Reset-Function

he Code please call customer service.

Press all front keys for 2 seconds. The time switch is reset. The values for date and

the time switch itself.

Displays the hour counter and pulse counter for each channel and

The time switch can be locked with a 4-digit PIN-Code. The code

can be adjusted, activated and deactivated. If you have forgotten