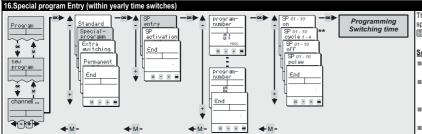


#### Time switch (weekly or yearly program)



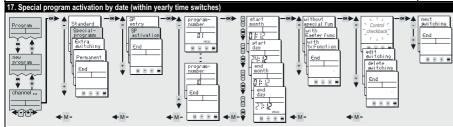
The cycle function will only be offered if it is activated (point 13)

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-Numb r 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



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 (Startdate 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 functio

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

Adjust the switching function (AT on, AT off, AT cycle, AT pulse) 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 (E.g.: The switching date is always the second Saturday in February for the current and the following years)
- With 1xFunction: 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,
- With 1xfunction: The Program will be applied only once

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

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 location 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)

### Functional options of the "external input":

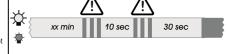
Within menu Options and submenu Input you have to define if a switch or a push-button-signal will be applied to the external input. Furthermore you can choose the channel(s) which react to the external signal:

- 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 H buttons (channel ... yes) and confirm by pressing Channels which should not be controlled by the external signal remain 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

# 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 signalled 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



### Options -> channel-keys -> ...

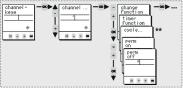
Reset-Function

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  $\stackrel{\triangle}{\square}$  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 channel-key-menu

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 ...



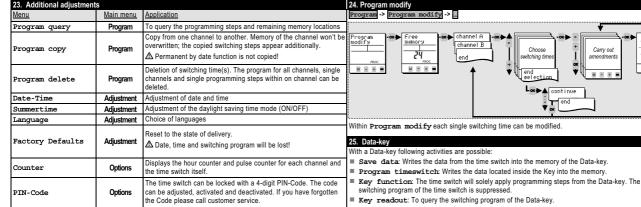
### Overview ...channel-keys" functions:

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 itch (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

- Change function (default setting): By pressing the channel key (or optionally using the external input) the switching status changes from ON to OFF of 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. Afte 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 In the Change function, Timer function and Cycle functions will be overridden by the regular switching program or by a manual over-ride!!!

The cycle function will only be offered if it is activated (point 13)

heen deleted!



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

time will be deleted and have to be re-entered. The switching program has not

am Ji<u>toh</u>

Key readout

Key Function