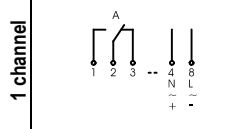
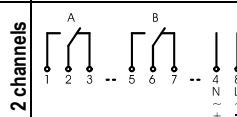


Connection diagram

1 channel



2 channels



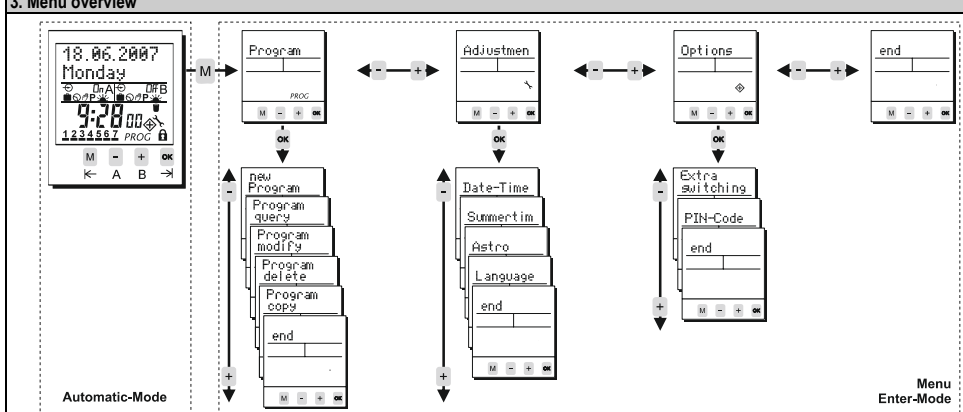
1. Safety instructions

- ⚠ 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, 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**. (Remark: By pressing **[+/-]** you move one step backwards from the current position)
- If required, date, time and daylight savings time mode can be adjusted also by pressing **[+/-]**-buttons and a subsequent confirmation with **OK**.
- When using the astro function it is obligatory to enter the geographical position of the place of the installation of the device. Choose with **[+/-]**-buttons between „location“ (pre-defined cities) and „position“ (longitude and latitude). Confirm your choice again with **OK**. (The easiest way is choosing a pre-defined city within the „locations“-menu.)
- Enter the nearest city or the geographical coordinates with **[+/-]**-buttons and confirm with **OK**

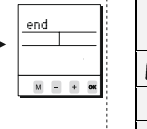
3. Menu overview



Automatic-Mode



Menu Enter-Mode



4. Symbol legend

	Power plug symbol (flashing): While the power supply is disconnected, the display shows a power plug symbol (flashing). The time switch is then operated in the reserve mode. Press OK -button for 1 sec. to "wake up" the time switch.
On / Off / P	Channel is switched ON / Channel is switched OFF / Permanent
	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 the next programming step.
1234567	Days of the week Monday, Tuesday, ... Sunday; The underscores indicate if the program is active for the days above.
	Element within sub-menu "program delete"
	Astro function: Current state is based on a sunrise or sunset taking into account an optionally adjusted Offset.
	The time switch is locked; to unlock the device the PIN has to be entered.

Menu Program		Menu Adjustment		Menu Options	
New program	See point 7 (New program)	Date-Time	Adjustment of date and time	Extra switching time	See point 8
Program query	To query the programming steps and remaining memory locations	Summertime	Adjustment of the daylight saving time mode	PIN-Code	The time switch can be locked with a 4-digit PIN-Code. The code can be adjusted, activated and deactivated. If you have forgotten the Code please call customer service.
Program modify	Within Program modify each single switching time can be modified.	Astro	Adjust your geographical position with pre-defined choice of regions/countries and cities or with longitude, latitude and time zone.		
Program delete	Deletion of switching time(s). The program for all channels, single channels and single programming steps within on channel can be deleted.	Language	Choice of languages		
Program copy	Copy from one channel to another.				

5. Key function

Automatic-Mode	Menu / Enter-Mode
[M]	To access the Enter-mode (program, adjustments, options) from the automatic-mode
[A/B]	To switch the channel ON or OFF until the next programming step occurs.
[OK]	To activate the time switch when operated without power supply.
[←]	To revert to the beginning of the current (sub-) menu
[+/-]	To adjust the flashing digit. To scroll through a choice
[→]	To confirm the selection or the entered data.

6. Channel ON OFF / Permanent P

Channel ON OFF
By pushing **[A/B]**-buttons (**[+/-]**-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)

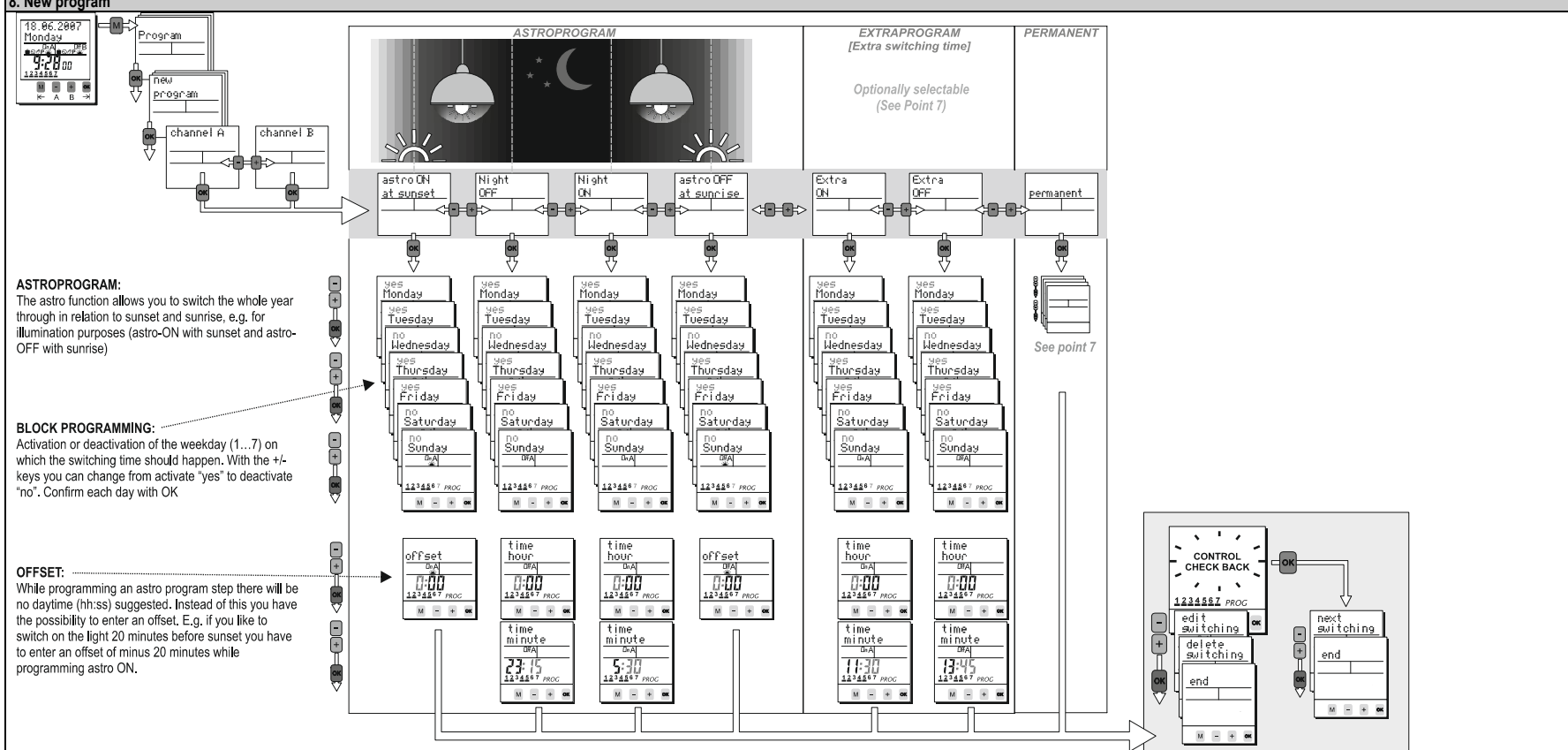
7. Program permanent / Extra switching time / Reset

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 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 and Program delete respectively. (See Point 8)

Extra switching time
You can program further "extra" switching times e.g. if you like to use a channel of the time switch for a non-"Astro lighting-application". You have to activate the "extra switching times" within the menu Options. The "extra switching times" works like a standard weekly program (ON / OFF). After activating the "extra switching times" it will be offered within the programming menu "new program". (See Point 8)

Reset-Function
Press all front keys for 2 seconds. The time switch is reset. The values for date and time will be deleted and have to be re-entered. The switching program has not been deleted!

8. New program



ASTROPROGRAM:
The astro function allows you to switch the whole year through in relation to sunset and sunrise, e.g. for illumination purposes (astro-ON with sunset and astro-OFF with sunrise)

BLOCK PROGRAMMING:
Activation or deactivation of the weekday (1...7) on which the switching time should happen. With the +/- keys you can change from activate "yes" to deactivate "no". Confirm each day with OK

OFFSET:
While programming an astro program step there will be no daytime (hh:ss) suggested. Instead of this you have the possibility to enter an offset. E.g. if you like to switch on the light 20 minutes before sunset you have to enter an offset of minus 20 minutes while programming astro ON.

12.9X.X.XXX.0090 / Data-key (OPTIONAL)
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.

BATTERY CR 2450 (LiMnO2) 3 V.
Complies with Article 11, EU directive 2006/66/CE.

