

theben

TR 610 top

TERMINA

1-channel 7 day timers



*According to version
preprogrammed
with the current time
and summer/ winter
norm time*



Safety Information

The connection and installation of electrical appliances must be performed by a skilled electrician only. Any intervention into or modifications to the appliance shall lead to the lapse of all warranty rights. Comply with your national regulations and all relevant safety stipulations.

D GB F NL I E P

310 783 03

Overview per day of
the programmed switch-
ing times
5 = Friday

Channel statuses
are displayed
ON / OFF

Service voltage OK:
Two flashing dots

Power reserve mode:
Three flashing dots

Selection
e.g.: Auto, Prog, ☹,
Man,
Abort input

Display of special functions:

Override ON/OFF



Permanent ON/OFF



Displayed only when summer/
winter time changeover is
activated

Summer time ☀

Winter time ❄

Current days of the week
1 = Monday, 2 = Tuesday, ...

The decision **Yes** confirms the
selection or programming

Decision **No** means continue

CE

Load

N

L1

L2

First contact

Info

The timer is delivered in so-called sleep mode. To increase the power reserve the switch clock changes to the sleep mode after approx. 15 minutes.

To activate without a service voltage

Briefly press the **MENU** key.

Activate with mains voltage

If the timeswitch is already pre-programmed with the actual time, the weekday, and the changeover setting for Summer / Winter time, the actual time and status display appears after selection of the National language.

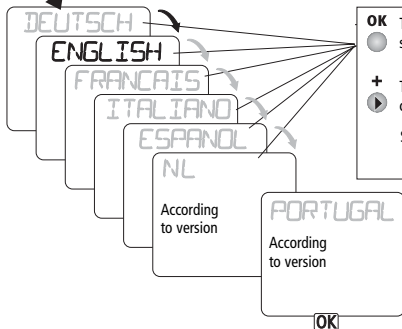
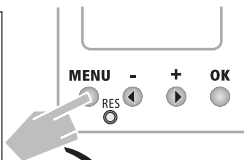
If the timer is not pre-programmed

First select your National language and then enter the actual date and time.

Activate the clock, select the national language

By pressing the **+** or **-** key select your national language.

Store your selection by pressing the **OK** key.



For programming, viewing or deleting

First of all read the text display.

Menu selection

Select by pressing the **MENU** **Prog** key.

Confirm by pressing **OK**.

By pressing the **+** key select the desired menu.
e.g. New, View or Delete.

Confirm your selection by pressing **OK**.

Set or change: by pressing **+** or **-**.

Store by pressing **OK**.

To display the switching times:

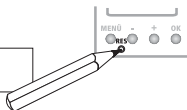
In the menu View, press the **OK** key several times.

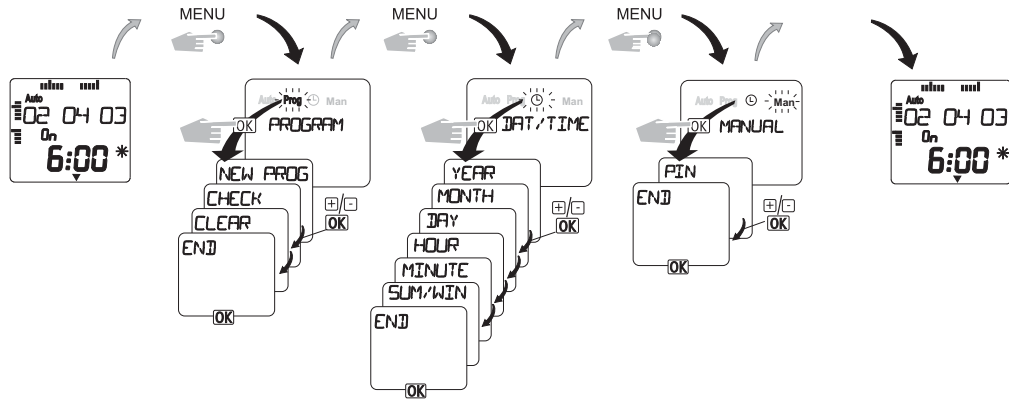
OK The decision **Yes**, confirms the selection or programming.

+ The decision **No**, means continue.

Set or amend by pressing the **+** or **-** keys.

RESET (only in case of emergency): If you perform a RESET of the timer, the individual settings will be deleted. The programmes switching times remain intact. Press the **RES** key with a pointed object for approx. 1 second.





Technical Data

TR 610 0 xxx

230V~ +/- 10% 50-60 Hz

240V~ +6%-14% 50-60 Hz

16(10)A 250 V~

min. 100 mA 24V AC/ DC

Degree of protection

II EN 60730
IP 20 EN 60529

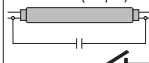


2300W

9 x 7 W
7 x 11 W
7 x 15 W
7 x 20 W
7 x 23 W



400 W (42μF)



TR 610 1 xxx

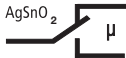
120V~ +/- 10% 50-60 Hz

Type 1 BSTU
IEC/EN 60730-2-7



memory locations

AgSnO₂



2300W



1000 W

Programming the switching time

Switching times for lighting systems, machines, ventilation systems, alarm systems etc.

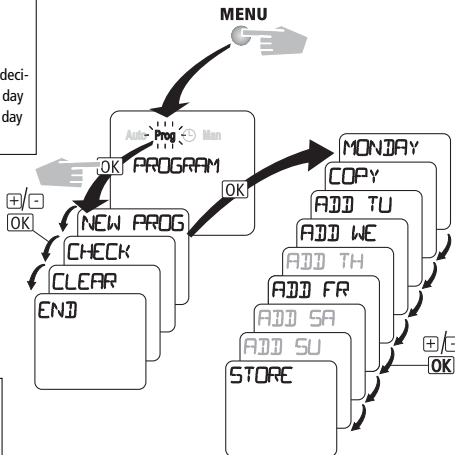
Formation of day groups

If the same switching times are active on several days of the week, they occupy just **one** memory location, e.g. Monday – Friday 7.30 hrs ON.

28 memory locations are available.

Group formation

In answer to the text question Copy, decide by pressing the **OK** key that the day program should be copied to another day of the week.



When programming an ON and OFF switching time, e.g. Monday 9 AM, a switch-off at 9 AM always has priority.

Program review

Following programming the timer makes a program review back to midnight and then sets the correct switching status.

Example

Example: Switching on the lighting of a sports hall on Mon., Tues., Thurs., Fri. from 7.30h until 12h.

Programming example

Select **Prog** by pressing the **MENU** key.

Store your selection by pressing the **OK** key.

Select **New** by pressing the **+** or **-**.

Store your selection by pressing the **OK** key.

Select **ON** by pressing **+** or **-**.

Store your selection by pressing **OK**.

Set the hours and minutes by pressing the **+** or **-** key.

Store selection by pressing **OK**.

To store this day of the week only

Select weekday by pressing **+** or **-**.

Select store by pressing **+**.

Store by pressing **OK**.

To copy to other days of the week

Store **COPY** by pressing **OK**.

Select weekday by pressing **+** or **-**.

Store by pressing **OK**.

To leave out a day of the week, skip by pressing the **+** key.

Finally select the **STORE** display by pressing **+**.

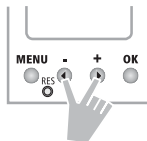
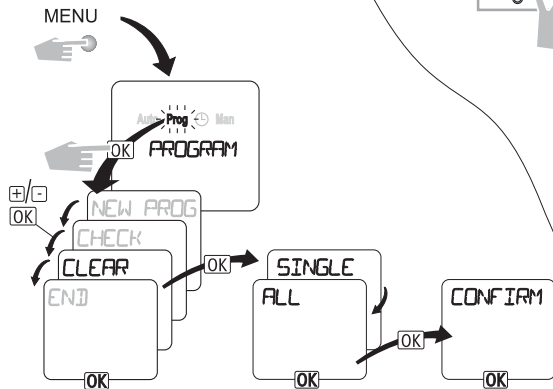
Store your selection by pressing **OK**.

Override

Permanent ON or OFF

Via the automatic menu **Auto** only

Individual deletions



Press the two keys for **approx. 1 s.**

Switches alternately ON or OFF.

Symbol appears.

Manual preselection is corrected again by the stored program.

OVERRIIDE

Cancellation of manual preselection/ permanent switching

Briefly press the keys shown above.

Permanent ON or OFF

Press both keys for **approx. 2 s.**

Symbol ON ● appears.

Press both keys for **approx. 2 s.**

Symbol OFF ● appears.

PERM ON

PERM OFF

Cancellation of manual preselection/ permanent switching

Briefly press the keys shown above.

Setting/ correcting the date and time summer/winter time

Automatic summer/winter time correction

According to version the timer is pre-programmed ex-works complete with the changeover. Should you switch off the automatic facility or wish to alter it, first of all read the text display.

Select by pressing $\oplus$ or $\ominus$.

Store by pressing **OK**.

Free Prog to select sum/win change-over other than EUR-GB-USA.

Select sum/win, and after with sum/win. Store with **OK**.

Select rule FREE – with buttons

$\oplus$ or $\ominus$.

Input month and weeks for sum/win.

Store with **OK**.

E.g. Month = March

Week 4 = fourth week

Week 5 = last week in month

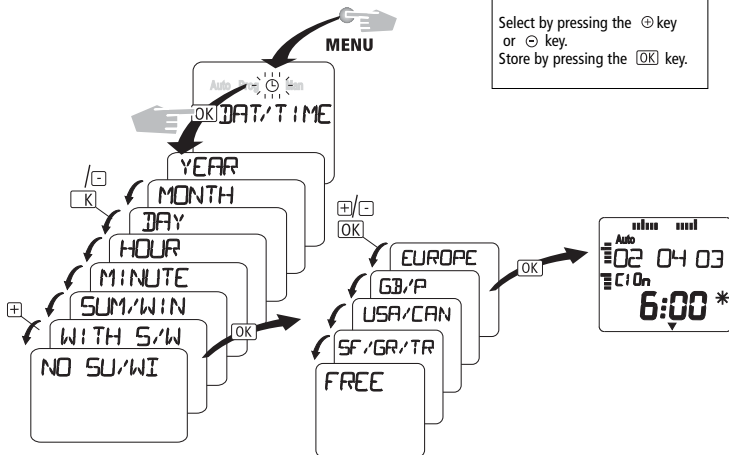
Note: In sum/win free Prog the time change is set automatically at sunday 2 AM.

Time change is not available.

Read the text display first of all.

Select by pressing the $\oplus$ key or $\ominus$ key.

Store by pressing the **OK** key.



PIN code

PIN

The device can be locked against unauthorized use with a 4 digit code number.

Select the **Manual** menu using $\oplus$ oder $\ominus$.
Confirm with the **[OK]** button.

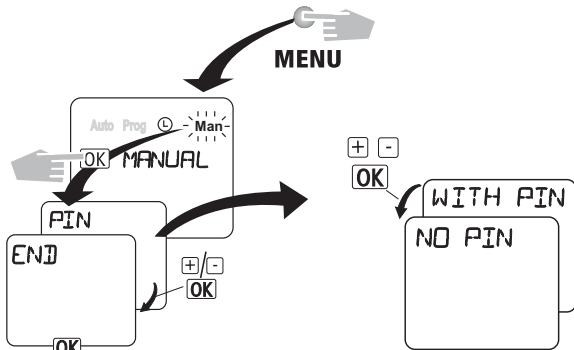
Selection **WITH PIN**

Select **WITH PIN** using $\oplus$ oder $\ominus$.
Confirm with the **[OK]** button. Make note of any desired 4-digits number.
Select the first digit of your 4 digit code using $\oplus$ $\ominus$.
Confirm the entered digit with **[OK]** .
Select further digits as described using $\oplus$ oder $\ominus$.
Confirm each selected digit with the **[OK]** button.

The device is locked 90 sec. after the last keystroke and can only be operated after the correct PIN code is entered.

Selection **WITHOUT PIN**

Select **WITHOUT PIN** using $\oplus$ oder $\ominus$.
Confirm with the **[OK]** button.



If a PIN code has been activated, the timer can no longer be activated without a valid PIN code after a RESET.

The device must be sent in!