

# 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 switching 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

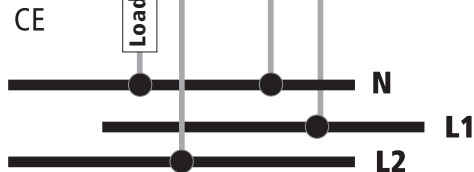
Permanent ON/OFF

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



# 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.

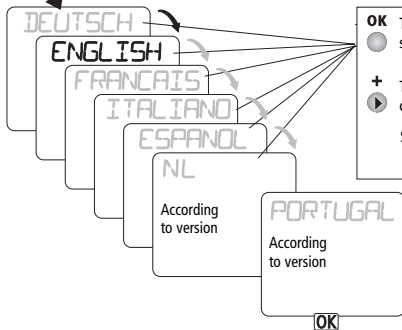
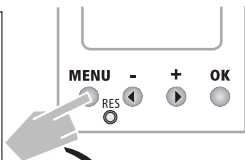
### If the timer is not pre-programmed

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:

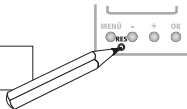
In the menu View, press the **OK** key several times.

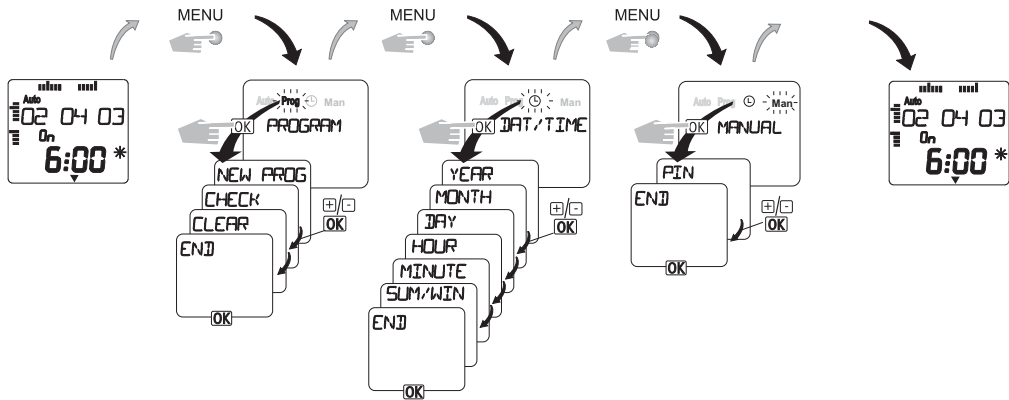
**OK** The decision **Yes**, confirms the selection or programming.

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





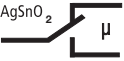





Set or amend by pressing the **+** or **-** keys.

**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

<p><b>TR 610 0 xxx</b> 230V~ +/- 10% 50-60 Hz 240V~ +6%-14% 50-60 Hz</p>	<p><b>16(10)A</b> 250 V~ min. 100 mA 24V AC/ DC</p>	<p>Degree of protection II EN 60730 IP 20 EN 60529</p>	 2300W 	<p>9 x 7 W 7 x 11 W 7 x 15 W 7 x 20 W 7 x 23 W</p> 	<p>400 W (42µF)</p> 
<p><b>TR 610 1 xxx</b> 120V~ +/- 10% 50-60 Hz</p>	<p>Type 1 BSTU IEC/EN 60730-2-7</p>	<p><b>224</b> memory locations</p>	<p>AgSnO<sub>2</sub></p> 	 2300W 	  1000 W 

# Programming the switching time

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

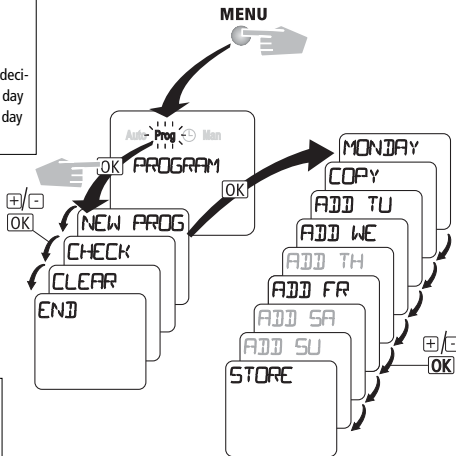
## Formation of day groups

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

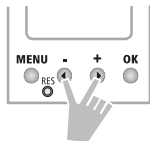
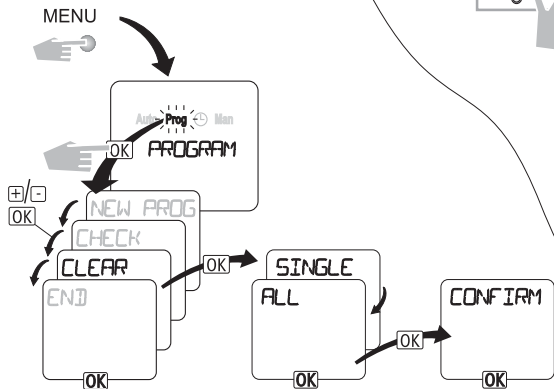
Store **COPY** by pressing **OK**.  
Select weekday by pressing **+** or **-**.  
Store by pressing **OK**  
To leave out a day of the week, skip by pressing the **+** key.  
Finally select the **STORE** display by pressing **+**.  
Store your selection by pressing **OK**.

# 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.



**Cancellation of manual preselection/ permanent switching**

Briefly press the keys shown above.

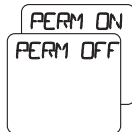
**Permanent ON or OFF**

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

Symbol ● appears.

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

Symbol ● appears.



**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

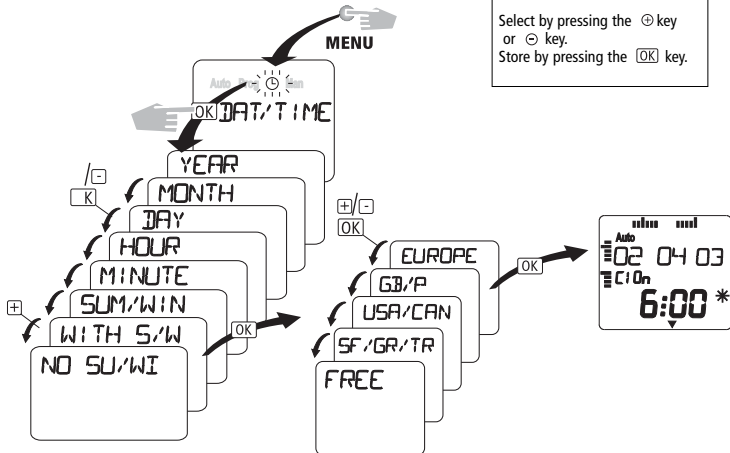
Week 5 = last week in month

**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 ⊕ oder ⊖ .  
Confirm with the **[OK]** button.

### Selection **WITH PIN**

Select **WITH PIN** using ⊕ oder ⊖ .

Confirm with the **[OK]** button. Make note of any desired 4-digits number.

Select the first digit of your 4 digit code using ⊕ oder ⊖ .

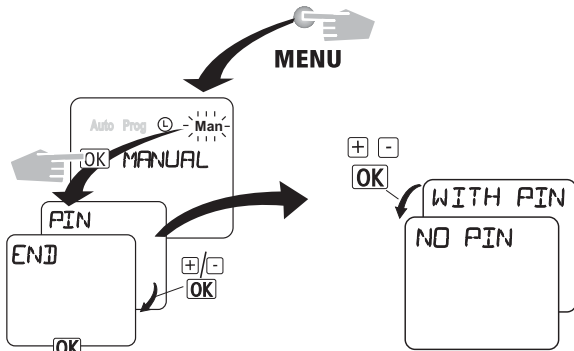
Confirm the entered digit with **[OK]** .

Select further digits as described using ⊕ oder ⊖ .  
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 ⊕ oder ⊖ .  
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!**