

# theben

## TR 612 top

### TERMINA

2-channel 7 day timers



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

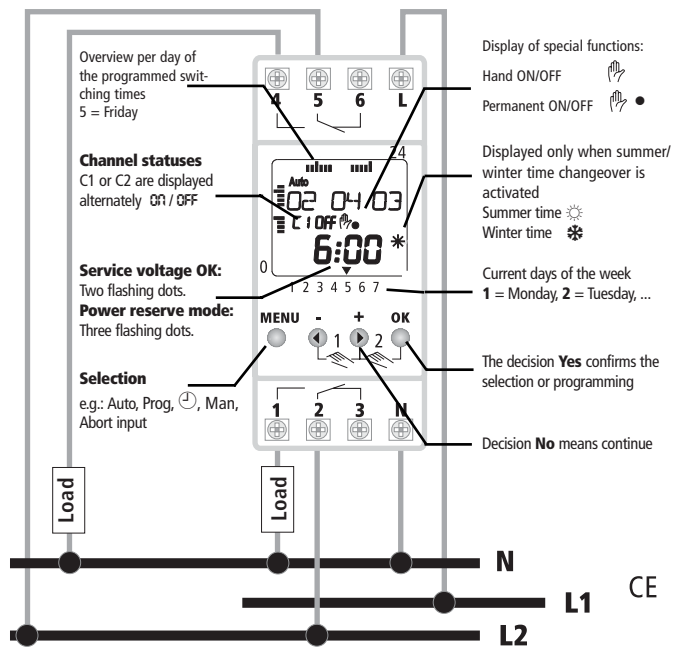


### Safety Information

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

310 791 03



## First contact

### Info

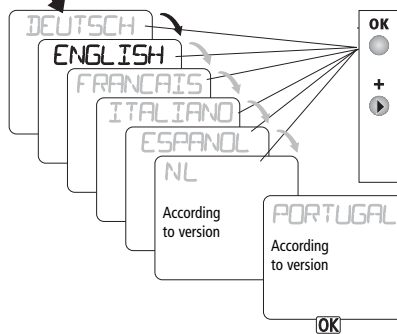
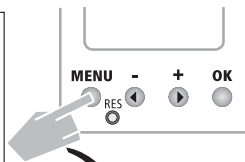
The timer is delivered in so-called sleep mode. To increase the power reserve the switch clock changes to the sleep mode after approx. 15 minutes.

**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:

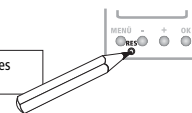
In the menu View, press the **OK** key several times.

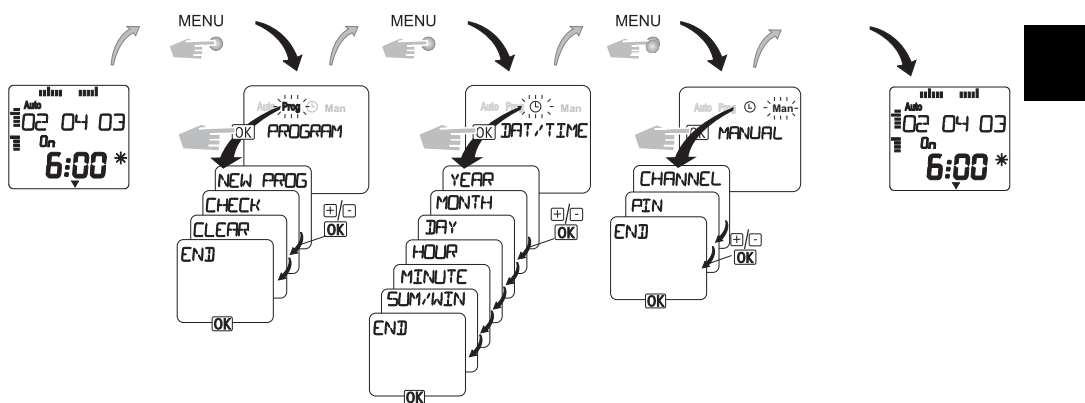
**OK** The decision **Yes**, confirms the selection or programming.

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



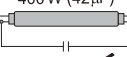
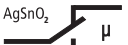


Set or amend by pressing the **+** or **-** keys.

**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 and a pointed object for approx. 1 second.





### Technical data

<b>TR 612 0 xxx</b> 230V~ +/- 10% 50-60 Hz 240V~ +6%-14% 50-60 Hz	<b>2x16(10)A</b> 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) 
<b>TR 612 1 xxx</b> 120V~ +/- 10% 50-60 Hz	Type 1 BSTU IEC/EN 60730-2-7	<b>42</b> memory locations	AgSnO <sub>2</sub> 	 2300W	 1000 W

## Programming the switching time

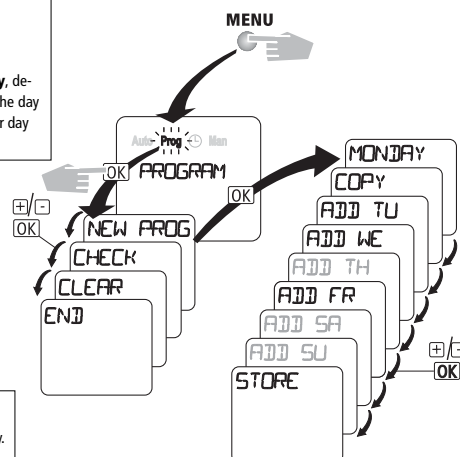
Switching times for lighting systems, machines, ventilation systems, alarm systems etc.

**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.  
**42** 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 channel **C1** or **C2** by pressing **+** or **-**.  
Store your selection by pressing **OK**.  
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

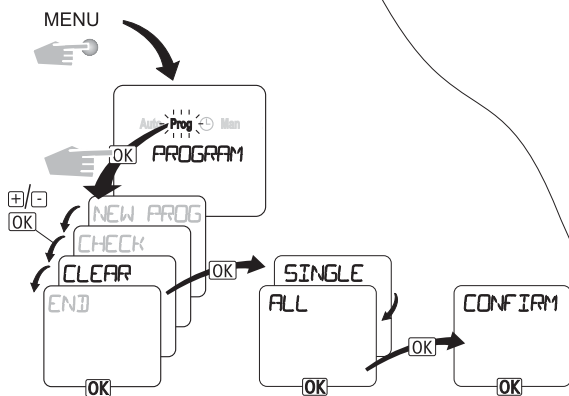
Select weekday by pressing **+** or **-**.  
Select **STORE** by pressing **+**.  
Store by pressing **OK**.

#### 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

### Individual deletions



### Via the automatic menu Auto only

	Channel C1	Channel C2
Press the two keys for <b>approx. 1 s.</b>		
	<b>Manual preselection:</b> Press keys simultaneously. <b>Channel C1</b> switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.	<b>Manual preselection:</b> Press keys simultaneously. <b>Channel C2</b> switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.
Press both keys for <b>approx. 2 s.</b>	<b>Permanent</b> ON  ● OFF  ●	<b>Permanent</b> ON  ● OFF  ●
<b>Cancellation of manual preselection/ permanent switching:</b> 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  $\boxed{\text{OK}}$ .

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

Select sum/win, and after with sum/win. Store with  $\boxed{\text{OK}}$ .  
Select rule FREE – with buttons  $\oplus$  or  $\ominus$ .

Input month and weeks for sum/win. Store with  $\boxed{\text{OK}}$ .

E.g. Month = March

Week 4 = fourth week

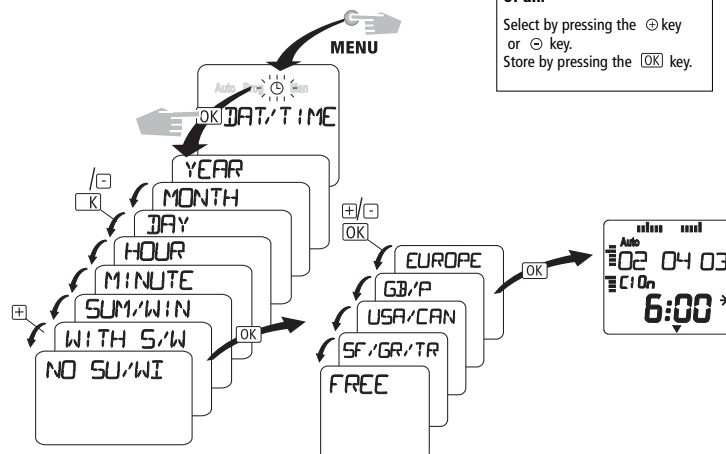
Week 5 = last week in month

**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  $\boxed{\text{OK}}$  key.



## PIN code

### PIN

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

Select the **Manual** menu using  $\odot$  oder  $\ominus$  .  
Confirm with the  $\text{OK}$  button.

#### Selection **WITH PIN**

Select **WITH PIN** using  $\odot$  oder  $\ominus$  .

Confirm with the  $\text{OK}$  button. Make note of any desired 4-digits number.

Select the first digit of your 4 digit code using  $\odot$   $\ominus$  .

Confirm the entered digit with  $\text{OK}$  .

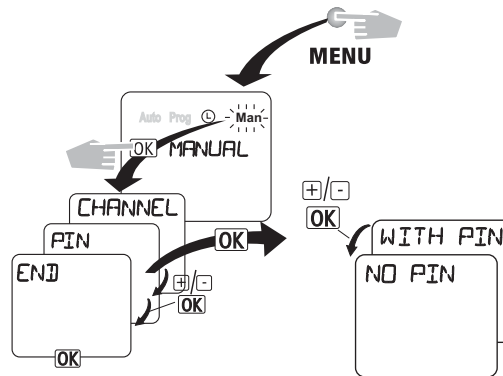
Select further digits as described using  $\odot$  oder  $\ominus$  .  
Confirm each selected digit with the  $\text{OK}$  button.

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  $\odot$  oder  $\ominus$  .

Confirm with the  $\text{OK}$  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!**