

# theben

## TR 636<sup>top</sup>

GB

### 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.

310 859

Overview per day of the programmed switching times  
5 = Friday

**Channel statuses**  
C1 or C2 are displayed alternately **On** / **Off**

**Service voltage OK**  
Two flashing dots

**Power reserve mode:**  
Three flashing dots

**Selection**  
e.g.: Auto, PROG, ...  
Pulse, Cycle  
Abort input

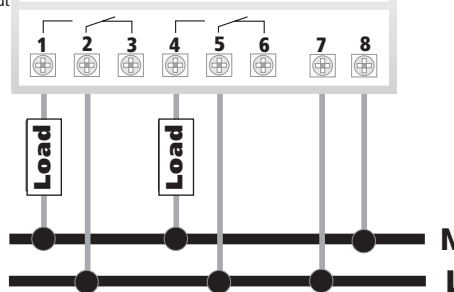
Display of special functions:

Permanent ON/OFF •  
Random program **active**   
Holiday program **active**   
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



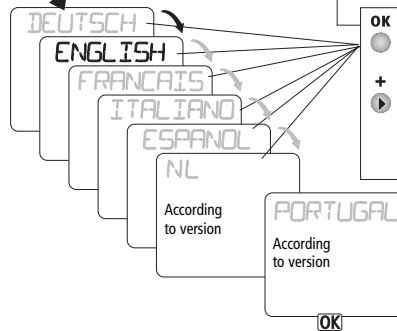
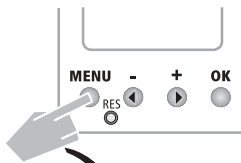
# 1. info

The timer is delivered in so-called sleep mode.  
**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.

# 3. info

**For programming, viewing, amending 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, Amend 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.

## First contact Selection of the national language Initial operation



# 2. action

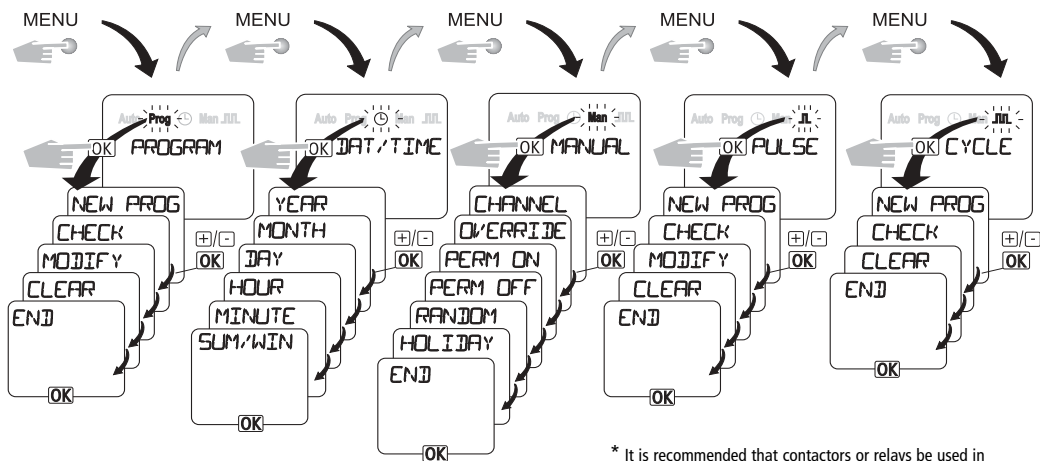
**Activate the clock, select the national language**  
By pressing the **[+]** or **[-]** key select your national language.  
Store your selection by pressing the **[OK]** key.

**OK** The decision **Yes**, confirms the selection or programming.  
**+** The decision **No**, means continue.  
Set or amend by pressing the **[+]** or **[-]** keys.

## info

**In emergency situations only:** Should you press RESET on the timer, all stored data will be deleted. However, the timer will then still display the language last selected and the summer/winter norm time changeover last selected. Press the **RES** key with a pointed object for approx. 1 second.





\* It is recommended that contactors or relays be used in conjunction with the time switch in inductive circuits.

### Technical data

<b>TR 636 0 xxx</b> 230-240 V~ +6% -10% 50 - 60 Hz	min. -10° C to max. +50° C	Lithium, ap. 4 years power reserve	Degree of protection II EN 60730-1 IP 20 EN 60529	* <b>2x6 (6)A 250V~</b> min. 100 mA 24V AC/ DC	1200 W	9 x 7 W 7 x 11 W 7 x 15 W 7 x 20 W 7 x 23 W
	Type 1 BSTU IEC/EN 60730-2-7 in areas with normal pollution	<b>42</b> memory locations	Ag5nO	1200 W	1000 W	400 W (42µF)

## info

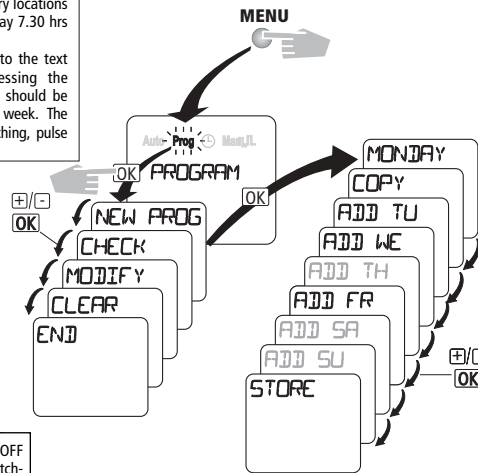
### Formation of day groups

If the same switching times are active on several days of the week, they occupy just **one** memory location. **42** memory locations are available, e.g. Monday – Friday 7.30 hrs ON.

**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. The **Mixed programming** of switching, pulse and cycle times is allowed.

## Programming the switching time

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



## action

**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 or OFF 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]**.

## info


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

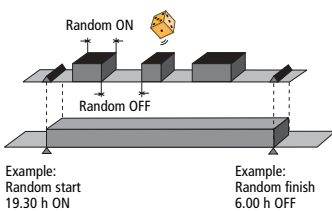
### Program review:

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


## info

**Effect of the random program:**  
The random program causes the timer to switch between programmed pairs of switches (ON and OFF). The random on an off times range between approx. 10 mins. and 120 min. The random time always begins with OFF.

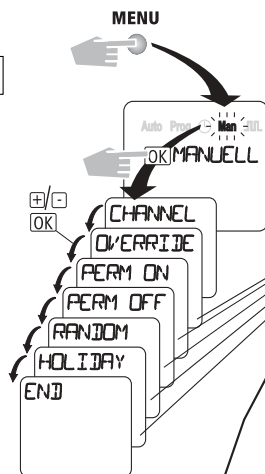
Symbol  flashes when the random program is effective.







**Effect of the holiday program:** The holiday program has the effect that the timer does **not** switch on the connected consumer unit between the programmed start and finish (stipulation of year, month, day). **Start** and **finish** of the program is always **mid-night** on the day that is programmed.  
Example: 25.3. national holiday.  
Programming: start 25.3. finish 25.3.

If the holiday program is active, the corresponding channel and holiday symbol  are displayed on the automatic menu.







## Permanent ON or OFF random or holiday program



## action

**Read the text display first of all**  
In the menu **Man**, select by pressing the  or  key the function manual, permanent, random or holiday.  
Confirm your selection by pressing the  key.  
**To cancel a function:**  
Select the function clear.  
Store your selection by pressing .


Via the automatic menu **AUTO** only

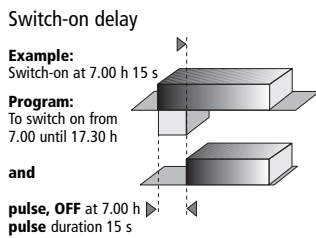
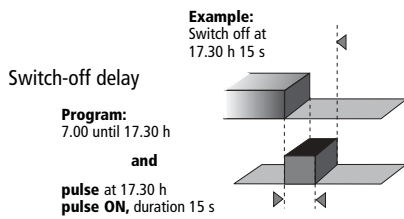
		
Press the two keys for <b>approx. 1 s</b>	<b>Manual preselection:</b> Press keys simultaneously <b>Channel C1</b> switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.	<b>Manual preselection:</b> Press keys simultaneously <b>Channel C2</b> switches 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> 	<b>Permanent</b> 

**Cancellation of manual preselection/ permanent switching:** Briefly press the keys shown above.

## info

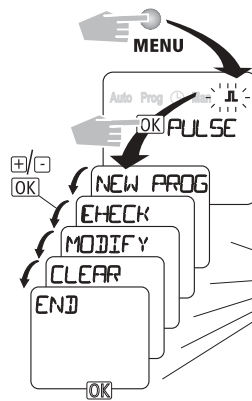
**Effect of the pulse program:**  
The pulse time can be set within the range 1 to 59 seconds.

Symbol  flashes as long as the pulse program is active




## Pulse program

e. g.: for breaktime signals, ventilation systems, flushing systems, bell controls etc.



## action

Always read the text display first of all. You will be provided with programming help. Confirm your selection by pressing the  key.

## info

**Viewing the pulse times**  
Only possible in the menu PULSE

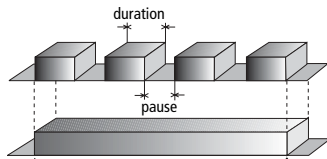
### Day group formation

If the same pulse switching times are effective on several days of the week, they occupy one pulse memory location only, e.g.: Mon., Tues., Wed., Fri., pulse time 7.30 h. **32** memory locations are available for pulse programming.

## info

**Effect of the cycle program:**  
The clocking and pause times can be set separately. The settable times are max. 99 minutes and 59 seconds. The cycle program has the effect that between two programmed times, day of week start and day of week finish, the cycle program is active. The cycle program always begins with a switch on. **16** memory locations are available to you.

The symbol **JUL** flashes when the cycle program is active.



**Example cycle start:**  
Monday 7.30 h ON

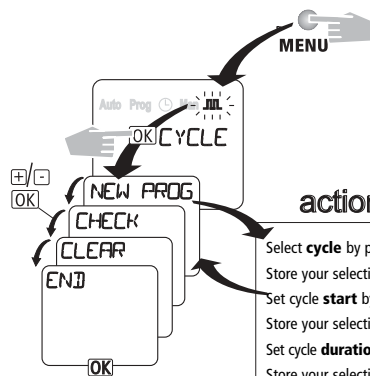
**Example cycle finish:**  
Friday 16.30 h OFF

## info

**Viewing the cycle times:**  
Possible in the menu Cycle only!  
**N.B.:** If two cycle times are programmed in which the start and finish times overlap, it is always the cycle time that starts first that is executed.  
**Example:** Cycle time **1**, programmed from: Mo to Thu  
Cycle time **2**, programmed from: Tue to Fri.  
Only cycle time **1** is effective, cycle time **2** is **not** accepted.

**Cycle program**  
Cyclically recurring time functions within the scope of a timer, e.g.: slow flashing indicator, water treatment, advertisement lighting

Brightness variations at lighting installations may arise in the cycling mode. In this case actions to reduce these effects have to be taken (for example reduction of the load or extension of the cycle time). More than five switching operations per minute are not admissible without additional EMC interference measures.



## action

Select **cycle** by pressing the **[MENU]** key.  
Store your selection by pressing twice the **[OK]** key.  
Set cycle **start** by pressing the keys **[+]** or **[-]**.  
Store your selection by pressing the **[OK]** key.  
Set cycle **duration** (Min./sec.) by pressing the keys **[+]** or **[-]**.  
Store your selection by pressing the **[OK]** key.  
Set cycle **pause** (Min./sec.) by pressing the keys **[+]** or **[-]**.  
Store your selection by pressing the **[OK]** key.  
Set cycle **finish** by pressing the keys **[+]** or **[-]**.  
Store your selection by pressing the **[OK]** key.

## Setting/ correcting the date and time summer/winter time

### info

#### Automatic summer/winter time correction

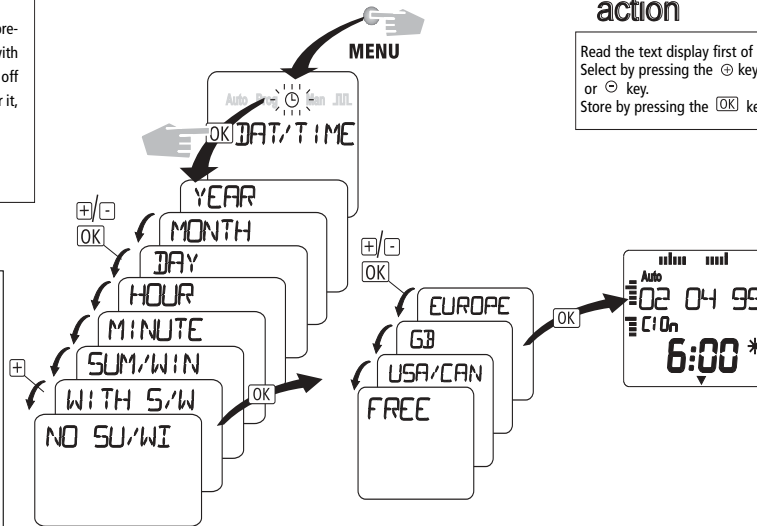
According to version the timer is pre-programmed ex-works complete with the change-over. Should you switch off the automatic facility or wish to alter it, first of all read the text display, select by pressing  $\ominus$  or  $\oplus$ . Store by pressing  $\text{OK}$ .

### info

Free Prog to select sum/win change-over other than EUR-GB-USA. Select sum/win, and after with sum/win. Store with  $\text{OK}$ . Select rule FREE – with buttons  $\oplus$  or  $\ominus$ . Input month and weeks for sum/win. Store with  $\text{OK}$ . 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.

### action

Read the text display first of all. Select by pressing the  $\oplus$  key or  $\ominus$  key. Store by pressing the  $\text{OK}$  key.



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