

theben

TR 030_{top}

TERMINA

1-channel 7 day timer

GB



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

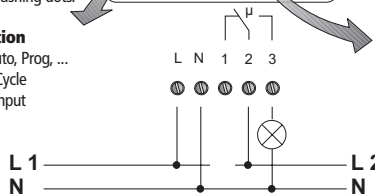
310 010
Teil 1 von 2

Overview per day of
the programmed
switching times
5 = Friday

**Channel
statuses**
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

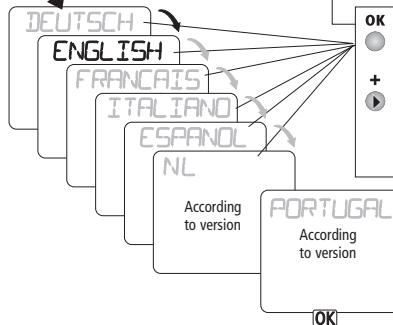
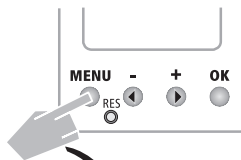
The timer is delivered in so-called sleep mode.
To activate without a service voltage:
Briefly press the **Menu** key.
Activate with mains voltage:
According to version the timeswitch is already pre-programmed with the actual time, the week-day, and the changeover setting for Summer / Winter time, the 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



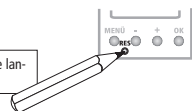
2. action

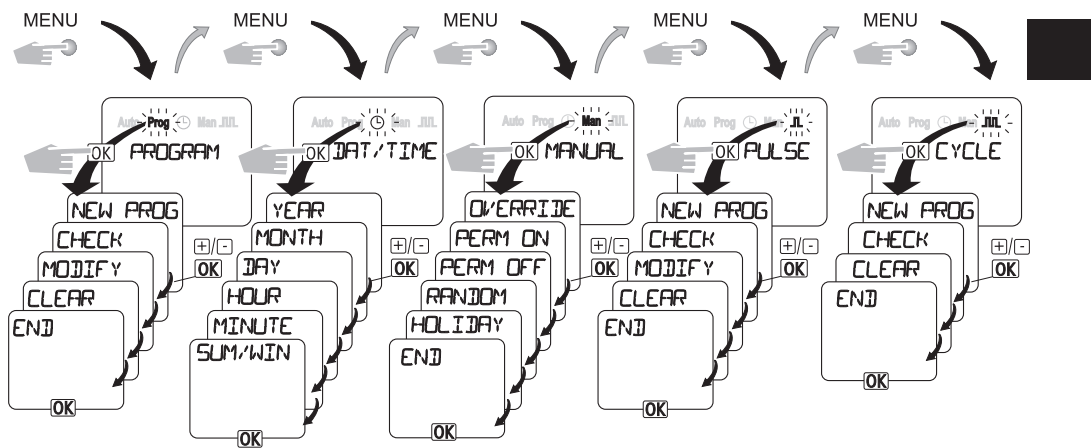
Activate the clock, select the national language
By pressing the **+** or **-** key select your national language.
Store your selection by pressing the **OK** key.

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.





Technical data

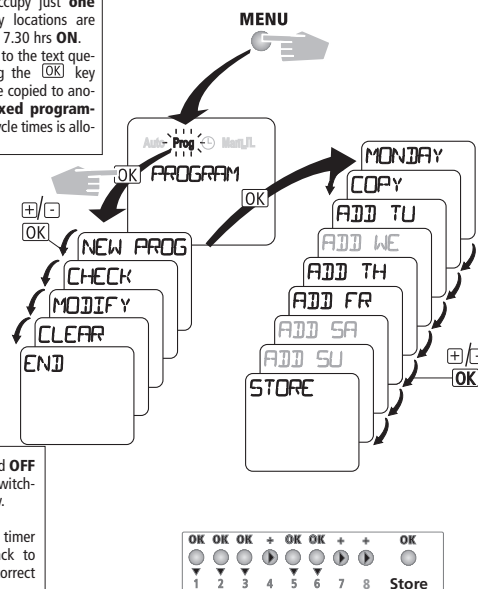
TR 030 0 xxx 230V- +/- 10% 50 Hz	min. -10 °C to max. +35 °C	Lithium, ap. 3 years power reserve	Degree of protection II EN 60730-1 in compliance with IP 20 EN 60529	10(10)A 250 V~ min. 100 mA 24V AC/DC	2300W 2300W	9 x 7 W 7 x 11 W 7 x 15 W 7 x 20 W 7 x 23 W
	Type 1 BSTU of EN 60730-1, -2-7 Application in usual environment	42 memory locations	AgSnO ₂	2300W	1000 VA	400VA (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.



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.

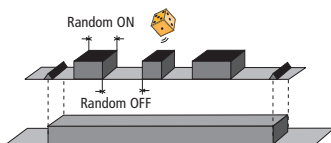
action

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 **[+/-]** key.
Store your selection by pressing the **[OK]** key.
Select **ON** or **OFF** by pressing **[+]** or **[-]**.
Store your selection by pressing **[OK]**.
Set the hours and minutes by pressing the **[+/-]** key.
Store selection by pressing **[OK]**.
To store one 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

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.


Activating the random program:
Press button **OK** for approx. 2 Sec. Symbol  flashes when the random program is effective.



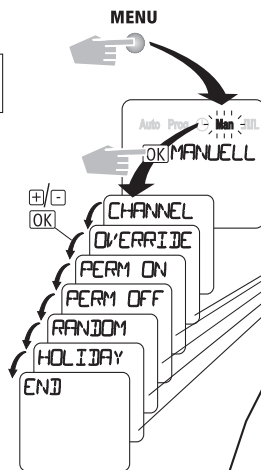
Example:
Random start
19.30 h ON

Example:
Random finish
6.00 h OFF

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 **midnight** 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 holiday symbol  is displayed flashing on the automatic menu.

Permanent ON or OFF random or holiday program

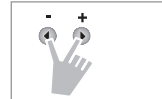


action


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 **OK** key.

To cancel a function:
Select the function clear. Store your selection by pressing **OK**.

Via the automatic menu **AUTO** only



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

Manual preselection:
Press keys simultaneously **Channel C1** switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.

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

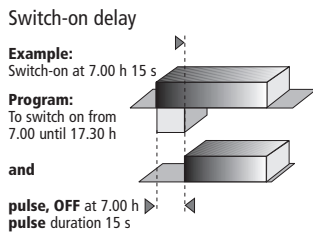
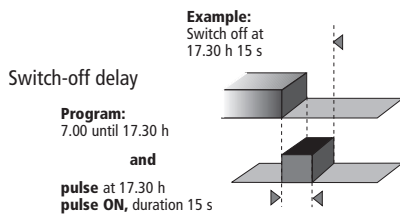
Permanent
On  
Off  

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

info

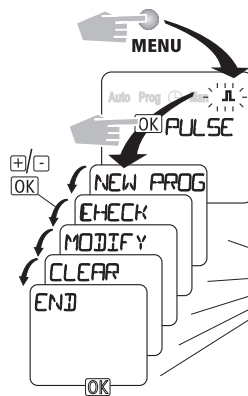
Effect of the pulse program:
The pulse time can be set within the range 1 to 59 seconds.

Symbol **IL** 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 **OK** key.

info


Viewing the pulse times
Only possible in the menu PULSE.

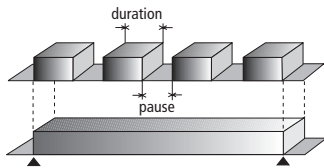
Day group formation
If the same pulse switching times are effective on several days of the week, they occupy one pulse memory location only, e.g.: Mon., Tues., Wed., Fri., pulse time 7.30 h. **32** memory locations are available for pulse programming.

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  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:

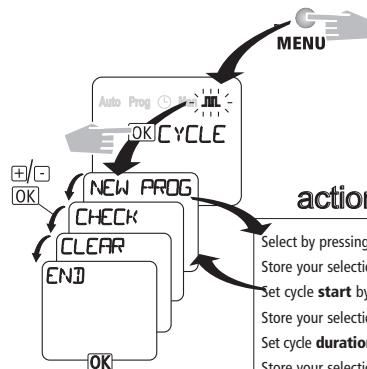
Possible in the menu **Cycle** only!

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



action

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

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

Set cycle **start** by pressing the keys \odot or \ominus .

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

Set cycle **duration** (Min./sec.) by pressing the keys \oplus or \ominus .

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

Set cycle **pause** (Min./sec.) by pressing the keys \oplus or \ominus .

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

Set cycle **finish** by pressing the keys \odot or \ominus .

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

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 5 switching operations per minute are not admissible without additional EMC interference measures.

Setting/ correcting the date and time summer/winter time

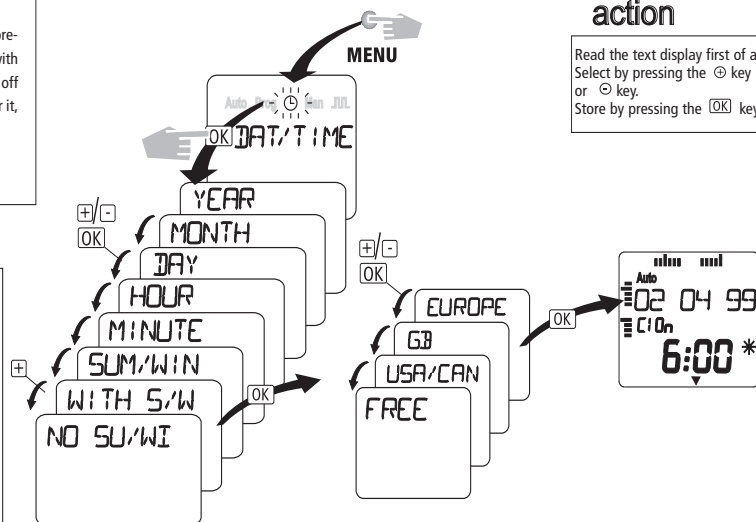
info

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 \odot or \ominus . Store by pressing 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 OK . Select rule FREE - with buttons \odot 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.



action

Read the text display first of all. Select by pressing the \odot key or \ominus key. Store by pressing the OK key.