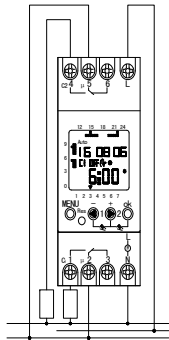# 2-channel 7 day timers

*According to version **preprogrammed** with the current time and Summer/winter norm time*
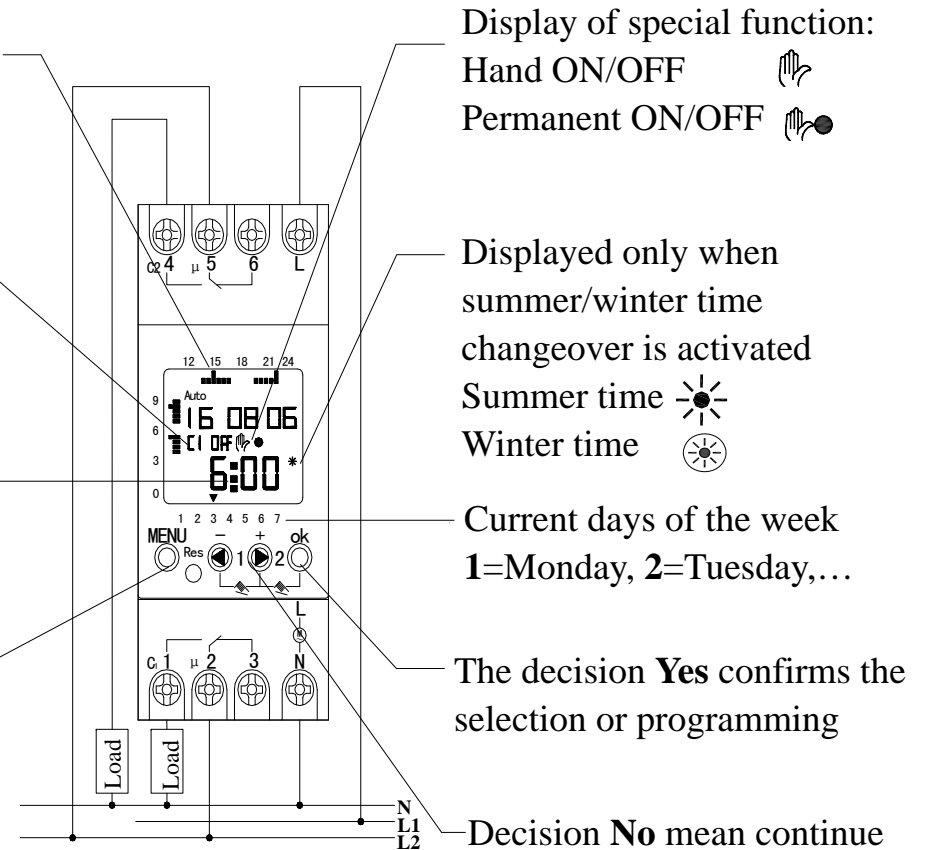
⚠ ## Safety Information

The connection and installation of electrical 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.

Overview per day of the Programmed switching times
3=Wednesday

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 、🕐、 Man ,
Abort input

Display of special function:
Hand 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** mean 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.10 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.
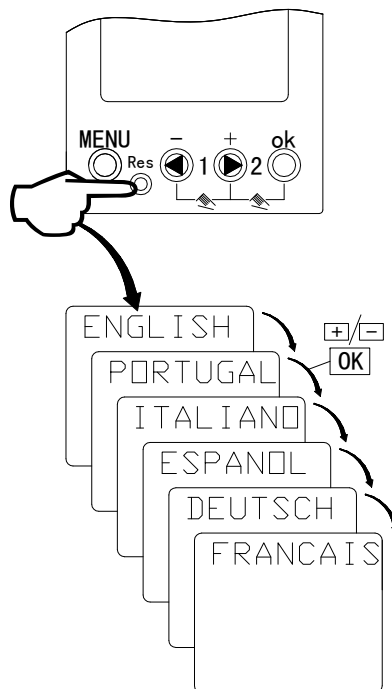**If the timer is not pre-programmed**
First select your national language and then enter the actual date and time.

Activate the clock,
Select the national language
By pressing the ⊕ or ⊝ keys. 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.

MENU − + ok
Res ◀ 1 ▶ 2

ENGLISH
PORTUGAL   +/−
ITALIANO   OK
ESPANOL
DEUTSCH
FRANCAIS

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.

RESET(only in case 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.

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, the occupy just **one** memory location.
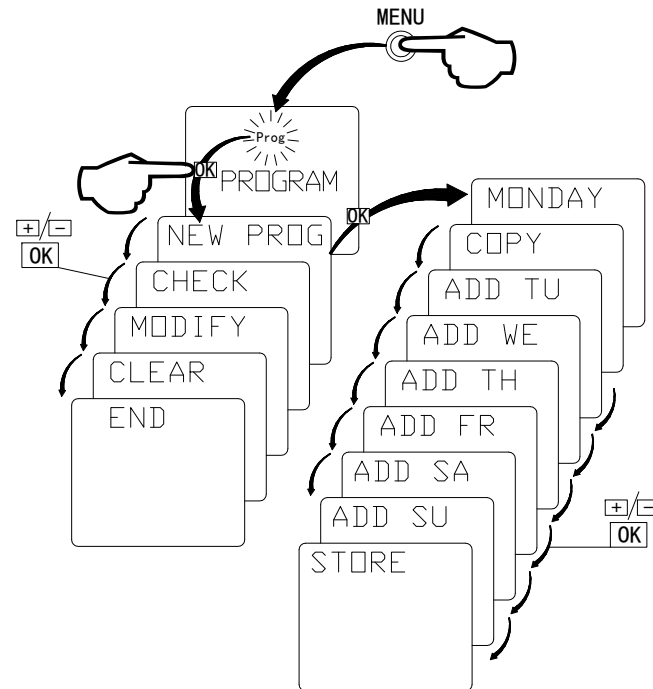
44 memory locations are available.

Group formation

In answer to 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.

When programming an ON and OFF switching time, e.g. Monday 9 AM, It is always the programme the last setting is excuted.

MENU

Prog
PROGRAM
NEW PROG
CHECK
MODIFY
CLEAR
END

+/−
OK

OK

MONDAY
COPY
ADD TU
ADD WE
ADD TH
ADD FR
ADD SA
ADD SU
STORE

+/−
OK

Example: Switching on the lighting of a sports hall on Mon, Tues, Fri. from 8.30h until 12h.

Programming example

Select **Prog** by pressing the Menu key.
Store your selection by pressing the OK key.
Select **New** by pressing $\oplus$ or $\ominus$.
Store your selection by pressing the OK key.
Select channel **C1 or C2** by pressing $\oplus$ or $\ominus$.
Store your selection by pressing OK .
Select **ON/OFF** by pressing $\oplus$ or $\ominus$.
Store your selection by pressing OK .
Set the hours and minutes by pressing the $\oplus$ or $\ominus$ key.
Store selection by pressing OK.

To store one day of the week only

Select weekday by pressing $\oplus$ or $\ominus$.
Select store by pressing $\oplus$.
Store by pressing OK .

To copy to other days of the week

Store **COPY** by pressing OK.
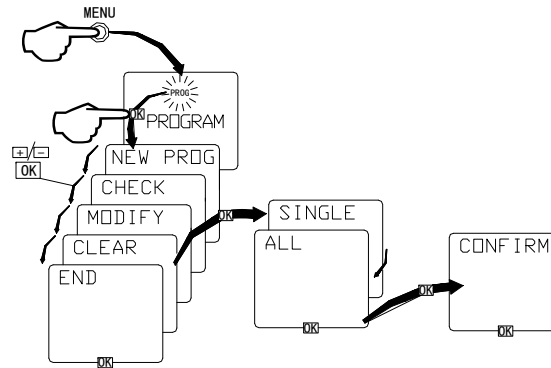Select weekday by pressing $\oplus$ or $\ominus$.
Store by pressing OK .
To leave out a day of the week ,skip by pressing the $\oplus$ key.
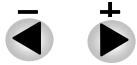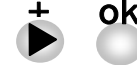Finally select the **store** display by pressing $\oplus$.
Store your selection by pressing OK .

Individual deletions

Override
Permanent ON or OFF

Via the automatic menu **Auto** only

+	◀ ▶ **Channel C1**	▶ ok **Channel C2**
Press the two Key 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.	**Manual preselection:** Press keys simultaneously **ChannelC2** switches alternately ON or OFF. Symbol 🖑 appears. Manual preselection is corrected again by the stored program.
Press the two Key for **approx. 2 s.**	Permanent ON 🖑 OFF 🖑	Permanent ON 🖑 OFF 🖑
Cancellation of manual preselection/permanent switching: Briefly press the keys shown above.		

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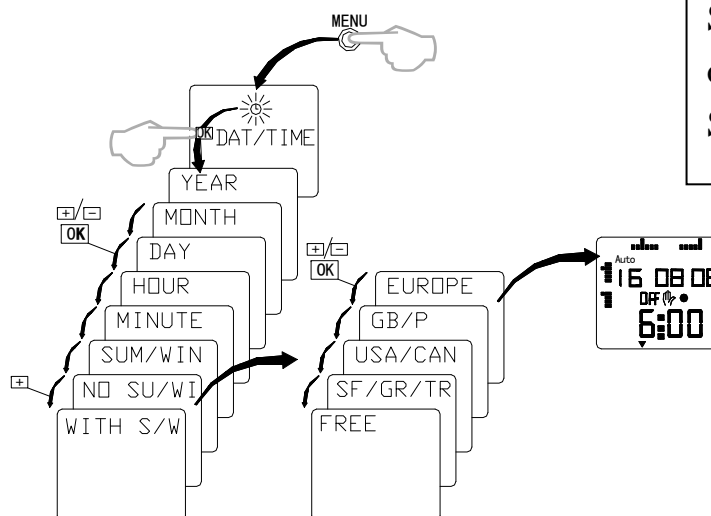# Summer/winter time

Automatic summer/winter time correction

According to version the timer is pre-programmed ex-works complete with the change-over. 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.

Read the text display first of all.

Select by pressing the $\oplus$ key or $\ominus$ keys.
Store by pressing the OK key.

MENU

DAT/TIME
YEAR
MONTH
DAY
HOUR
MINUTE
SUM/WIN
NO SU/WI
WITH S/W

+/−
OK

+/−
OK

+

EUROPE
GB/P
USA/CAN
SF/GR/TR
FREE

Auto
16 08 06
OFF
6:00 *

Note: In sum/Win free Prog the time change is set automatically at Sunday 2 AM.
Time change is not available.

Common technical specifications

Rated voltage: 230-240v~+6%-10%
Frequency:50-60Hz
Own consumption: max.7.5 VA
Contact: zero-potential, gap less than 3mm
Switching power :16A, 250V~, cosφ=1;
10A, 250V~, cosφ=0.6
Incandescent lamp load:2300 W
Halogen lamp load:2300 W
Timing basic: quartz
Working precision:≤±1 sec./day at 20℃

Shortest switching time: 1 minute
Display: LCD display with text line
Operating control elements: 4 touch keys and
1 reset key
Power reserve: approx. 4 years with display with
full controllability(temp. 20℃) by means of an
environmentally friendly lithium battery
Permissible ambient temperature:
-10℃…+ 50℃
Weight: approx.170 g

Dimension drawings