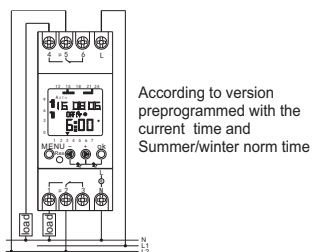


# AHC812/L top1 2-channel 7 day timers



## Safety Information

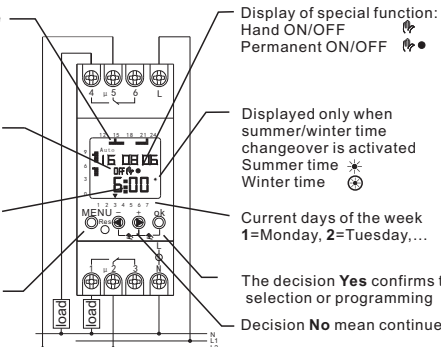
The connection and installation of electrical must be performed by a skilled electrician only. Any intervention into or modifications to the appliance shall lead to the lapse of all warranty rights. Comply with your national regulations and all relevant safety stipulations.

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

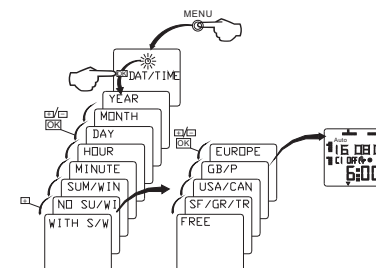
# Setting/correcting the date and time Summer/winter time

Read the text display first of all.  
Select by pressing the ⊕ key or ⊖ keys.  
Store by pressing the OK key.

## 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 ⊕ or ⊖ . 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 ⊕ or ⊖ . Input month and weeks for sum/win. Store with OK.



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

# First contact

## Info

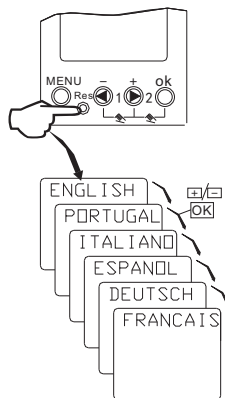
The timer is delivered in so-called sleep mode . To increase the power reserve the switch clock changes to the sleep mode after approx. 10 minutes.

**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.

## 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.

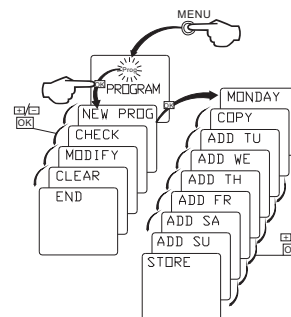
**To display the switching times:**  
In the menu View, press the OK key several Times.

**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. 58 memory locations are available.



**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 ⊕ or ⊖ .  
Store your selection by pressing the OK key.  
Select **channel C1 or C2** 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 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.

# PIN-Code

## PIN

The device can be locked against unauthorized use with a 4 digit code number. Select the Manual menu using  $\odot$  or  $\ominus$ . Confirm with the  $\square$  button.

### Selection WITH PIN

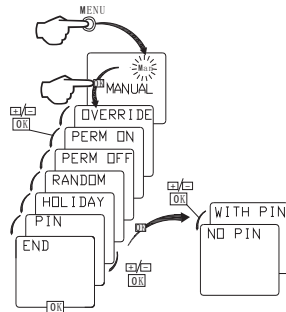
Select **WITH PIN** using  $\odot$  or  $\ominus$ . Confirm with the  $\square$  button. Make note of any desired 4-digits number. Select the first digit of your 4 digit code using  $\odot$  or  $\ominus$ .

Confirm the entered digit with  $\square$ . Select further digits as described using  $\odot$  or  $\ominus$ . Confirm each selected digit with the  $\square$  button.

The device is locked 60 sec. after the last keystroke and can only be operated after the correct PIN code is entered.

### Selection WITHOUT PIN

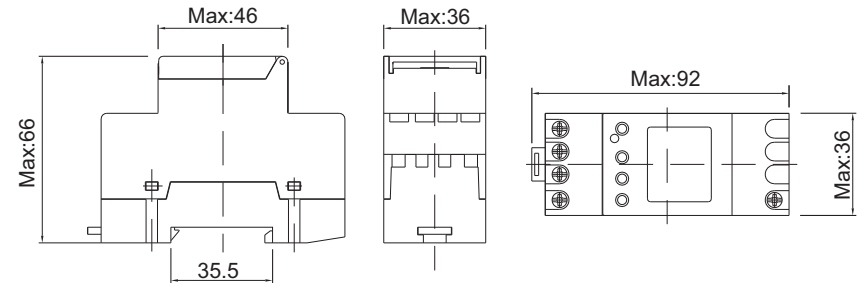
Select **WITHOUT PIN** using  $\odot$  or  $\ominus$ . Confirm with the  $\square$  button.



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!**

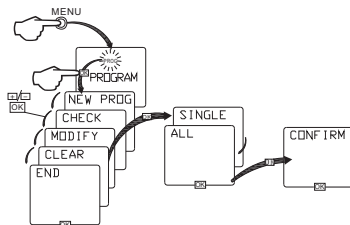
# Dimension drawings



## Technical Data

AHC 812 top1 230V +6% -10% 50/60 Hz	16 (10) A 250V min. 100mA 24V AC/DC	Degree of protection IEN 60730 IP 20 EN 60529	2300W	9x7 W 7x11W 7x15W 7x20W 7x23W	400W (42μF)
AHC 812L top1 (Backlight) 230V +6% -10% 50/60 Hz	Type 1 BSTU IEC/EN 60730-2-7	58 memory locations	μ	2300W	1000W

# Individual deletions



## Override Permanent ON or OFF Via the automatic menu Auto only

	Channel C1	Channel C2
Press the two Key for <b>approx. 1 s.</b>	Manual preselection: Press keys simultaneously <b>Channel C1</b> switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.	Manual preselection: Press keys simultaneously <b>Channel C2</b> switches alternately ON or OFF. Symbol  appears. Manual preselection is corrected again by the stored program.
Press the two Key for <b>approx. 2 s.</b>	Permanent ON OFF	Permanent ON OFF
<b>Cancellation of manual preselection/permanent switching:</b> Briefly press the keys shown above.		

# Common technical specifications

**Rated voltage:** 230V~+6%-10%

**Frequency:** 50/60 Hz

**Own consumption:** max. 5 VA

**Contact:** zero-potential, gap less than 3mm

**Switching power:** 16A, 250V~,  $\cos\phi=1$ ;

10A, 250V~,  $\cos\phi=0.6$

**Incandescent lamp load:** 2300 W

**Halogen lamp load:** 2300 W

**Timing basic:** quartz

**Working precision:**  $\pm 1$  sec./day at 20°C

**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°C) by means of an

environmentally friendly lithium battery

**Permissible ambient temperature:**

-10°C...+ 50°C

**Weight:** approx. 160 g