EN Operating manual





Weight q (approx.) Main voltage Protection class Power consumption Switching capacity Ohmic load (VDF, IFC) - Fluorescent lamp

 Inductive load cos o 0.6. 10 A / 250 V AC - Incandescent-/Halogen lamp load 2600 W 1000 W - Rated load AC1 / AC15 3700 W / 750 W Switching contacts Change-over contact Ambient temperature -25°C ... + 55°C Accuracy Type \pm 0.5 sec./day at $+20^{\circ}$ C Shortest switching interval 1 min. Switching state display Yes Sealable

45 x 35 x 60

See rating plate

16 A / 250 V AC

220

1 VA





Danger! Risk of electric shock!

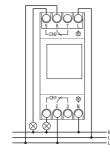
▷ Installation must be carried out by a professional electrician!

Mounting on DIN rail

Put the device slightly inclined on top of the rail. Then push it backwards until it engages.

Connection diagram

CH1 = channel 1 CH2 = channel 2





Operation and configuration

Display and function keys

- Switch-off commands have a higher priority than switch-on
- . The central line of the display, in which the adjusted values and selected menu items are displayed, is displayed larger. Flashing means that an entry is required. If you do not enter anything
- within two minutes, the timer switches back to automatic operation.
- "MAINSOFF" appears on the display when the device is not supplied with power
- . "LOW BATT" appears on the display when a battery change is required within the next two weeks.
- . The programs are retained after a reset, although you will need to readiust date and time. Press all 4 buttons at the same time to reset the device.

- A Function displays of the two left keys
- B Switching state displays (ON/ OFF/OVR/FIX)
- C 3 display lines
- Weekdays The assignment can be changed in the DATETIME menu, for example to 1 = Sunday
- Default setting 1 = Monday
- Programmed switching times Radio antenna
- Display of summer/winter time
- Function displays of the two right keys
- Kevs/Interfaces Right keys
 - Left keys with manual switch function in Automatic mode

1 6 12 18 24 1 2 3 4 5 6 7 🜣 🕸 🕸

IX OVR 1 OFF ON 2 PESC OK

1*2

15:26

Function displays of the two left keys:

- △ Scroll upwards in the menu
- Scroll downwards in the menu
- Accept selection/proposal
- Brief key press = +1 / long key press (about 2 sec) = fast forward
- Brief key press = -1 / long key press (about 2 sec) = fast forward

Function displays of the two right keys:

MENU Leaves Automatic mode and enters Programming mode Brief key press = one step backward

- Long key press (about 2 sec) = Back to Automatic mode Make a selection and accept
- EDT Change programs in "Read mode"
- NO Do not execute command YES Execute command
- · Suitable for use in dry rooms only! . Do not install in the vicinity of devices having inductive

Danger! Risk of electric shock!

professional electrician!

Before changing the battery, the device must be disconnected

Please observe the national regulations and safety instructions.

Minimum diameter of the flexible lines for the terminals: 1 mm²

Read and observe these instructions to guarantee a perfect function

• Interferences and changes to the device will invalidate the

. To avoid injuries, the device must be installed by a skilled

WARNING

80

Description of the device

Universal digital timer

Designated use

70 memory locations

The timer is used for

Date-based programming

electrician only!

from the power supply!

warranty and guaranty rights.

Maximum diameter: 4 mm²

of the device and a safe operation.

Information about the device

Installation must be carried out by a

discharges (motors, transformers, etc.)

Weekly program ¹⁾ / Holiday program ¹⁾ / Astro program ¹⁾

advertising / street lighting / shop window lighting

- lighting in private homes and commerce

- controlling devices, motors and pumps

controlling shutters and blinds

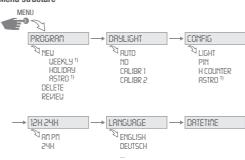
Presence simulation

Mounting only on DIN rail.

Technical data Dimensions Hx W x D (mm)

1) Function not available for all products. 2) Available only if individual days have been selected for the ON command.

Menu structure

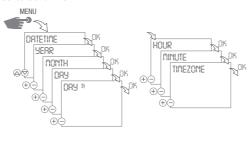


Select menu language

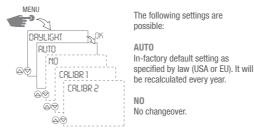
When delivered, the timer is in automatic mode with preset time, date (CET) and menu in English Press the Menu button to make settings.



Set date and time



Switchover summertime/wintertime



CALIBR 1 (ALITO) Manual Programming.

The programmed summer/winter time will be recalculated automatically

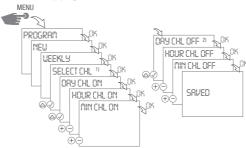
- The change-over always takes place on the first Sunday of the selected month, if the entered date lies between 1, and 15.
- The change-over always takes place on the last Sunday of the selected month, if the entered date lies between 16, and 31,
- The time change-over occurs on the respective Sunday from 2 to 3 o'clock (summertime) or from 3 to 2 o'clock (wintertime)

CALIRR 2 (FIX)

Manual Programming

The change-over takes place every year always on the same date.

Create a weekly program



- Press the MENU KEY
- Confirm **PROGRAM** by pressing **OK**.
- Confirm **NEW** by pressing **OK**. Confirm WEEKLY by pressing OK.
- Free memory locations are briefly displayed.
- 5. When prompted, select channels △ and confirm by pressing ✓ → UK

3) Set the weekday in accordance with the current date.

4) Only appears when the Astro-settings are not set.

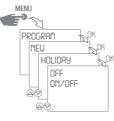
ON command:

- Select the desired days \triangle and confirm by pressing $\checkmark \rightarrow 0K$
- Enter hour (+/-) → OK
- Enter minutes (+/-) → 0K

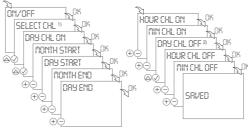
OFF command:

- When prompted, select desired days △ and confirm by pressing $\sqrt{\Rightarrow}$ 0K
- 10 Enter hour (+/-) → **OK**
- 11. Enter minutes (+/-) → 0K
- ▶ The program is saved.

Creating a holiday program

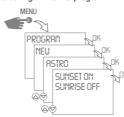


ON/OFF programming



If OFF is set, you can select the days of the week on which the time switch is switched off during holidays The procedure is the same as for creating a weekly program.

Creating an ASTRO program 1



The following settings are possible

5	3 I
SUNSET ON	The time switch switches ON at sunset and
SUNRISE OFF	switches OFF at sunrise

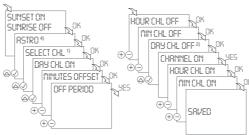
The time switch switches OFF at sunset and SUNSET OFF

SUNRISE ON switches ON at sunrise SUNRISE PULSE The time switch switches ON at sunrise for a

SUNSET PULSE The time switch switches ON at sunset for a certain

SUNRISE The time switch switches ON at sunrise and sunset SUNSET for a certain time (pulse) PULSE

Sunset ON / Sunrise OFF



- 1. Confirm SUNSET ON / SUNRISE OFF by pressing OK.
- Free memory locations are briefly displayed. When prompted, select Astro-settings.
- When prompted, select channels \triangle and confirm by pressing \checkmark
- → NK The weekday display is flashing. Select the desired days △ and confirm by pressing ✓ → 0K

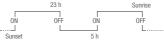
conditions Example SUNSET ON / SUNRISE OFF: Offset = + 00:15 The time switch switches ON 15 minutes after the

calculated sunset and switches OFF 15 minutes after the calculated

- which the time switch should switch off, e.g. night-time switch-off from 23 - 5 h.
- Select NO to set no OFF period.

- When prompted, select desired days △ and confirm by pressing

which the time switch should switch on again



Select NO if the night-time switch-off should last to the next sunset.



MENII

Channel ON: VFS

10. Enter hour and minute for the **ON** command $(+/-) \rightarrow \mathbf{OK}$

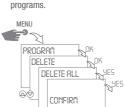
View and edit program Weekly, holiday and astro

programs can be viewed and edited separately.

- Press △ ▽ to scroll through the different
- program. This procedure is similar to creating a new program.

PROGRAM REVIEW RLL ONO P001 $\triangle \Diamond$ CHANNELS

Delete program

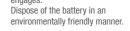


Delete individual programs Press △ ▽ to scroll through the

different program steps.

DELETE DELETE ALL ONO POO1 CONFIRM

- screwdriver. Take the battery out of the support.
- Observe polarity of the battery!
- 4. Push battery support downward until it engages



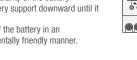




Dispose of the packing material correctly according to legal

Observe the following notes for disposing of defective system

- of according to material groups. Do not throw electrical and electronic components in the bin
- Always ensure the environmentally sound disposal conform to the state-of-the-art environment protection, recycling and disposal





requirements and regulations.

Dispose of appropriately, i.e. separating the parts to be disposed

- Bring these parts to the recycling centers.
- engineering.

Enter minutes for the OFFSET (+/-) → OK

Offset can be used to offset the ON and OFF switching times of the Astro program. This is done in order to adapt them to the local

6. Select the OFF PERIOD: YES or NO

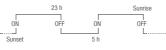
- ► Select **YES** to set the time period (hours and minutes) during

OFF period: YES

- Enter hour and minute for the OFF command (+/-) → OK

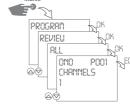
Select CHANNEL ON: YES or NO

► Select **YES** to set the time period (hours and minutes) during

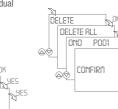




Press EDT to edit a

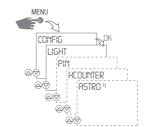


- Delete all programs Press YES to delete all programs
- Press N0 to delete individual

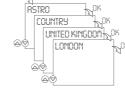




Configuration







Click the **COUNTRY** menu item to select the desired country and city. The longitudes and latitudes are generated automatically

If the desired city is not included in the list, you can manually set the longitudes and latitudes via the LAT/LON menu item



FIX ON

IS MIN

LIGHT - Background illumination

Select 2 MIN if you want the

automatically switched off 2

minutes after your last input.

background lighting to be

. Select FIX ON to set

permanently.

PIN - Set PIN

value

PIN

the background lighting

- **HCOUNTER** Set hour counter Press △ ✓ to select the
- channels . Select REVIEW to check the hour
- counter. Press △ ▽ to scroll through the different program steps

. Press RES to reset the hour

counter for this channel.

hours after which a service

Press △ ▽ to select the

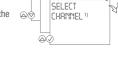
• Press + - to set a numeric

hours set by you.

channels.

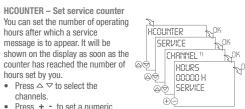
value

message is to appear. It will be



HCOUNTER

SELECT



\$ 00 p

Automatic/Manual mode . Manual switch: Duration ON / Duration OFF / OVR / Automatic

- Left button = channel 1 / Right button = channel 2

Press 1x = FIX ON = Duration ON Press 2x = FIX OFF = Duration OFF Press 3x = 0VR = 0verride mode

Press 4x = Automatic mode

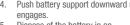
Override mode The Override function (temporary program overwrite) allows the user to switch ON or OFF early. This depends on the current channel status. The Override function applies only to the current program and remains active until the next program change. After that, the timer returns to Automatic mode



Maintenance and repair

Battery change

- Before changing the battery, the device must be disconnected from the power supply! Date and time will be lost! 1. Lift the battery compartment using a
- Insert new (Lithium battery type CR2032) battery into support.





components or the system after its service life: