

talento 471/472 pro, talento 881/882 pro talento 791/792 pro (ASTRO)



EN Operating manual



Danger! Risk of electric shock!

professional electrician!

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

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

WARNING

electrician only!

from the power supply!

warranty and quaranty rights.

Maximum diameter: 4 mm²

of the device and a safe operation.

Description of the device Universal digital timer

100 or 400 memory locations ¹⁾

PC-assisted program generation

Date-based programming

· Pulse, cycle program

astro program 1

· The timer is used for

Designated use

Information about the device

Installation must be carried out by a

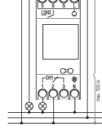
Made In China Customer Support: 815-675-7000 moo.oitsmatin.www

A.2.U 8e3e-18003 sionilli, evona grinq? DEOH TITLY WITH HORD CETAR OF ROOM STAMBELLI



= external input

headed EXT I/P.





Display and function keys

- selected menu items are displayed, is displayed larger.
- within two minutes, the timer switches back to automatic operation.
- . "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
- readjust date and time. Press all 4 buttons at the same time to reset the device

- left keys
- OFF/OVR/FIX)
- C 3 display lines
- Weekdays The assignment can be changed in the DATETIME menu, for example to

- Radio antenna
- riaht kevs
- Display of summer/winter time Function displays of the two
- Function displays of the two left keys:
- △ Scroll upwards in the menu
- □ Scroll downwards in the menu

MENU Leaves Autom mo and enters Programming mode

M a sele ion and accept

- E u command

- Presence simulation Mounting only on DIN rail.
- Suitable for use in dry rooms only!

controlling shutters and blinds

 Do not install in the vicinity of devices having inductive discharges (motors, transformers, etc.)

lighting in private homes and commerce

controlling devices, motors and pumps

Weekly program / annual program ¹⁾ / holiday program /

advertising / street lighting / shop window lighting

Technical Data

Output

240 VAC 50/60 Hz Per Circuit

16A Resistive 10A General Purpose

10A Tungsten

8A Ballast Pilot Duty B300

Installation and mounting



Danger! Risk of electric shock!

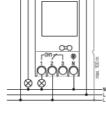
▷ Installation must be carried out by a professional electrician!

Mounting on DIN rail

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

Connection diagram

A momentary action push-button can be assigned to remotely operate one of the channels. See separate section.





Operation and configuration

- Switch-off commands have a higher priority than switch-on
- . The central line of the display, in which the adjusted values and
- Flashing means that an entry is required. If you do not enter anything
- . "MAINSOFF" appears on the display when the device is not supplied

- A Function displays of the two
- B Switching state displays (ON/
- 1 = Sunday Default setting 1 = Monday
- Programmed switching times
 - Infrared interface

Kevs/Interfaces

Right keys

Left kevs with m al switch function in Automatic mode

1 6 12 18 24

15:26

FIX DVR 10FF ON 2 4 Y ESC DK

0,0

0:0

1 2 3 4 5 6 7 ¢ 🕸 🗣

- Accept selection/proposal
- + Brief key press = +1 / long k press (abo 2 sec) = fast forward
- Brief key press = -1 / long key ess (about 2 sec) = fast forward

Function displays of the t righ ys:

- Brief key ress = on p backward Long key ss (about 2 sec) = Back to Automatic mode
- Ch ge p ms in "Read mode"
- Do n execute command
- 1) Function not available for all products

24 VDC/VAC, 120 - 240 VAC 50/60 Hz

PROGRAN DAYLIGHT CONFIG N AUTO MEN TAXINODE ANNUAL LIGHT UEEKLY HOLIDAY ASTRO 1) CALIBR 1 PIN H COUNTER EXT I/P ASTRO 1) DELETE. → RANDON 12H 24H LANGUAGE T ENGLISH ∜AN PN

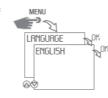
.....

Select menu language

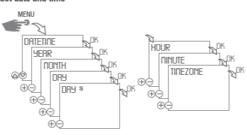
DATETINE

Menu structure

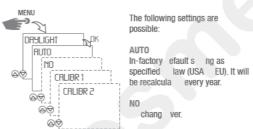
When delivered, the timer is in automatic mode with preset time, date (CET) and menu in English. Press the Menu button to make settings. Then select the desired setting.



Set date and time



Switchover summertime/wintertime



CALIBR 1 (AUTO)

Manual Progra ing. T program ed summer/winter time will be calculated auto ically year.

— The nge-o always takes place on the first Sunday of the recalculated auto ically

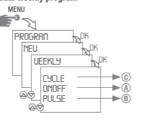
- sele ted month, he entered date lies between 1. and 15.
- Th hange-over always takes place on the last Sunday of the selec month, if the entered date lies between 16. and 31. The tim ange-over (summertime/wintertime) occurs on the pective Sunday at 1 o'clock UTC (Coordinated Universal

C R 2 (FIX)

Manual Programming

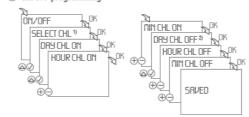
The change-over takes place every year always on the same date.

Create weekly program



- 2) Available only if individual days have been selected for the ON command.
- 3) Set the weekday in accordance with the current date
- 4) Only appears when the Astro-settings are not set

ON/OFF programming



- Confirm ON/OFF by pressing OK.
- Free memory locations are briefly displayed.
- When prompted, select channels △ and confirm by pressing ✓ → 0K
- ▷ The weekday display is flashing.

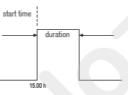
ON command:

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

OFF command:

- When prompted, select desired days △ and confirm by pressing
- $\checkmark \rightarrow 0K$
- Enter hour (+/-) → OK
- Fnter minutes (+/-) → OK The program is saved.

® Pulse programming



- A pulse switchi nd consists of Start time
- Duration ON switc ng duration shortest ON itchin duration = 1 sec. ng ON switc ng duration = 59 min., 59 sec.

mole:

ON mmand for channel 1 daily from Monday to Friday at 3.00 pm. ON sw hing duration 15 minutes.

PULSE nin chlon 20 SELECT CHL 1) MIN DURATION DI DBA CHT OU 256 SEC DURATION 50 HOLIR CHI ON SAVED ⊕**⊝**

- Confirm PULSE by pressing OK.
- Free memory locations are briefly displayed.

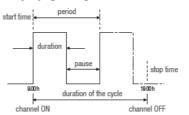
The weekday display is flashing.

2. When prompted, select channels △ and confirm by pressing ✓

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

6. Enter minutes or seconds (+/-) and confirm by pressing OK. The program is saved.

© Cycle programming



The cycle duration must not be less than the period. No nesting of cycle programs is allowed.

A cycle switching command consists of

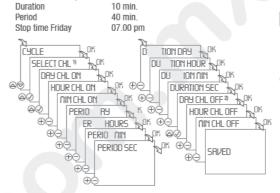
- Start time
- Duration ON switching duration
- Period = ON switching duration + pause · Cycle duration = time between channel
- ON and channel OFF Stop time

Start time Monday

Channel 1 is switched on every 30 minutes for 10 minutes, starting on Monday 9.00 am. √ → 0K

The stop time is Friday 7.00 pm

09.00 am



- Confirm CYCLE by pressing OK.
- Free memory locations are briefly displayed.
- 2 When prompted, select channels △ and confirm by pressing ✓ → 0K
 - The weekday display is flashing.

- 3. Select the desired days \triangle and confirm by pressing $\checkmark \rightarrow \mathbf{0K}$
- Fnter hour (+/-) → OK
- 5 Enter minutes (+/-) → OK

Period-

6. Enter days, hours, minutes or seconds (+/-) and confirm by pressing OK.

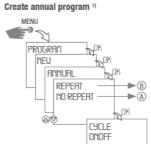
Duration

7 Enter days hours minutes or seconds (+/-) and confirm by pressing OK.

8. When prompted, select desired days △ and confirm by pressing √ → 0K

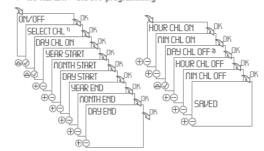
.....

9. Enter hour (+/-) → OK 10 Fnter minutes (+/-) → OK The program is saved.



(A) NO REPEAT Switching once. Start and stop date (year, month, day,) are set by you. (B) REPEAT Recurring program. This is done each year at the same time until you remove the program in the menu under Program -> Delete PULSE

NO REPEAT - ON/OFF programming



- Confirm ON/OFF by pressing OK.
- Free memory locations are briefly displayed → 0K
 - > The weekday display is flashing.

ON command:

- 3. Select the desired days \triangle and confirm by pressing $\checkmark \rightarrow \mathbf{0K}$
- 4. Enter start date (year, month and day) in the relevant box (+/-) → 0K
- Enter stop date (year, month and day) in the relevant box (+/-) → OK

Enter hour (+/-) → OK

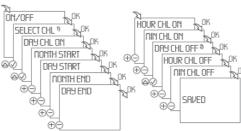
Enter minutes (+/-) → 0K

OFF command-

program.

- 8. When prompted, select desired days △ and confirm by pressing
 - Enter hour (+/-) → OK
 - 10. Enter minutes (+/-) → OK
 - The program is saved. For CYCLE and PULSE, you also have to set the duration and/ or period. The procedure is the same as for creating a weekly

® REPEAT - ON/OFF programming



- 1. Confirm ON/OFF by pressing OK.
- Free memory locations are briefly displayed.
- 2. When prompted, select channels △ and confirm by pressing ✓
 - → 0K The weekday display is flashing.

- ON command-Select the desired days △ and confirm by pressing ✓ → OK
- Enter start date (month and day) in the relevant box $(+/-) \rightarrow \mathbf{0K}$ Enter stop date (month and day) in the relevant box $(+/-) \rightarrow 0K$
- Enter hour (+/-) → OK

7. Enter minutes (+/-) → **OK**

- OFF command 8. When prompted, select desired days △ and confirm by pressing √ → OK
- Enter hour (+/-) → OK 10. Enter minutes (+/-) → OK

The program is saved.

For CYCLE and PULSE, you also have to set the duration and/ or period. The procedure is the same as for creating a weekly

......



The following settings are possible

SUNRISE OFF

SUNSET ON

The time switch switches ON at sunset and switches OFF at sunrise

SUNSET OFF

The time switch switches OFF at sunset and SUNRISE ON switches ON at sunrise

The time switch switches ON at sunrise for a SUNRISE PULSE

certain time (pulse)

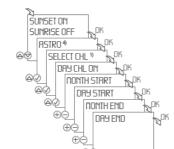
SUNSET PULSE The time switch switches ON at sunset for a

certain time (pulse))

SUNRISE SHINSET

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

Sunset ON / Sunrise OFF

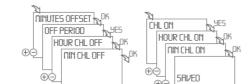


1. Confirm SUNSET ON / SUNRISE OFF by pressing OK.

- Free memory locations are briefly displayed When prompted select Astro-settings
- When prompted, select channels △ and confirm by pressing ✓
- → 0K
- The weekday display is flashing.

ON command-

- Select the desired days △ and confirm by pressing ✓ → 0K
- Enter start date (month and day) in the relevant box $(+/-) \rightarrow 0K$ Enter stop date (month and day) in the relevant box $(+/-) \rightarrow 0K$



 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

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 sunrise.

8. Select the OFF PERIOD: YES or NO

- Select YES to set the time period (hours and minutes) during which the time switch should switch off, e.g. night-time switch-off from 23 - 5 h
- Select NO to set no OFF period.

- Enter hour and minute for the OFF command (+/-) → OK
- 10. When prompted, select desired days △ and confirm by pressing √ → 0K

11 Select CHANNEL ON: YES or NO

Select YES to set the time period (hours and minutes) during which the time switch should switch on again.



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

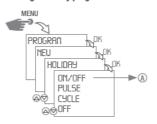


Channel ON: YES

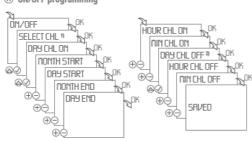
12. Enter hour and minute for the **ON** command $(+/-) \rightarrow \mathbf{OK}$

The program is saved.

Creating a holiday program



ON/OFF programming ON/OFF program



For CYCLE and PULSE, you also have to set the duration and/or

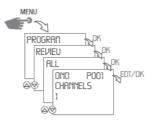
If ON is set, you can select the days of the week on which the time switch is switched off during holidays.

The procedure is the same as for creating a weekly program.

View and edit program Weekly, yearly, holiday

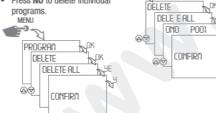
and astro programs can be viewed and edited separately.

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



Delete program Delete all programs

- Press YES to delete all programs
- · Press NO to delete individual programs.

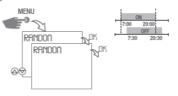


Delete individual progra s Press △ マ to scroll though the



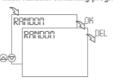
Random switching program 1)

The programmed switching command is delayed by a variable (random) period of 0-30 minutes...



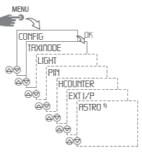
Press OK to start the random switching program. RANDOM flashes

Finish random switching program

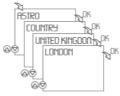


Press DEL to finish the random switching program. The timer returns to Automatic mode.

Configuration



ASTRO - Astro settings 1)

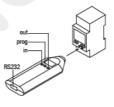


Click the COUNTRY menu item o select the desired country and ty The longitudes and latitudes are generated automati | ly If the desired city is not inclued in the list, you c m ally set th longitudes a d latitud via the LAT/LON m item.

TAXIMODE - Transmission of prog s

- A handheld programmin ice can be u d to exchange programs via the IR interface. T do so, t device must be in the TAXIMODE and conn ted to po er.
- Press ESC finish th TAXIMOD



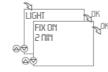


Operation of handheld programming device:

- Press PROG to select the program number. Press IN to read in a program.
- Press OUT to read out a program Hold the handheld programming device
- vertically over the IR interface. Pressing IN or OUT again will start the transmission
- A wrong transmission is shown by Er2. For further information, see the separate operating manual "handheld programming device".

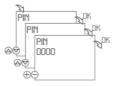
LIGHT - Background illumination

- Select FIX ON to set the background lighting permanently.
- . Select 2 MIN if you want the background lighting to be automatically switched off 2 minutes after your last input



PIN - Set PIN

- Press + to set a numeric value
- · Press OK to set the next number
- . Select NO PIN, to remove the



HCOUNTER

SELECT

SELECT

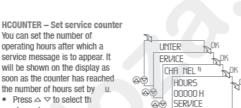
CHRNNEL 1)

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

You can set the number of

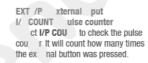
operating hours after which a



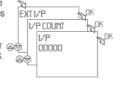
service message is to appear. It will be shown on the display as soon as the counter has reached the number of hours set by u. Press △ ▽ to select th

channels Press + - to s a num

value.

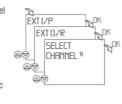


P ss RES to reset the pulse counter of the pulse co



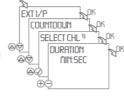
EXT O/R - Manual switch Select EXT O/R to assign a channel to an external button.

Upon pressing the button, an override switching command will be executed. It will be in effect until the next time the button is pressed or until the next automatic switching command.



COUNTDOWN - Countdown timer Select COUNTDOWN to set the time for a countdown timer





If a program is already running on the selected channel, no switching command will be executed! After the time has expired, the timer returns

Shortest ON switching duration: 30 seconds Longest ON switching duration: 90 minutes

Countdown timer and manual switch cannot be selected at the same time! The function selected last always applies.

Automatic/Manual mode

Press 1x = FIX ON = Duration ON

Press 2x = FIX OFF = Duration OFF

Press 3x = OVR = Override mode

Press 4x — Automatic mode

- Manual switch: Duration ON / Duration OFF / OVR / Automatic mode
- Left button = channel 1 / Right button = channel 2

Override mode

The Override function (temporary prog overwrite) allows the user to switch ON o FF early. This depends on the current channel status. The Override fun n applies only to the current program and remains active until the n xt program change. After that the timer retur
Automatic mode



ainten ince and repair

Battery change

- Be e changing the battery, the device must be disconnected from the po er supply! Date and time will be lost!
- Lift the battery compartment using a screwdriver.
- Take the battery out of the support. Insert new (Lithium battery type CR2450)
- battery into support. Observe polarity of the battery!
- Push battery support downward until it engages.
- Dispose of the battery in an environmentally friendly manner.





Disposal / Recycling

Dispose of the packing material correctly according to legal requirements and regulations

Observe the following notes for disposing of defective system components or the system after its service life:

- Dispose of appropriately, i.e. separating the parts to be disposed of
- according to material groups. Do not throw electrical and electronic components in the bin. Bring
- these parts to the recycling centers. Always ensure the environmentally sound disposal conform to the state-of-the-art environment protection, recycling and disposal

1) Function not available for all products.

2) Available only if individual days have been selected for the ON command

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