http://waterheatertimer.org/Intermatic-timers-and-manuals.html#Talento-400

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# GB

## 2. Assembly, Connection, Putting into operation



## Assembly

Fit the time switch

- on a DIN rail
- optional wall surface-mounting Surface-mounting set for 2 and 3 module spacings Article No. 03,53,0083,2





## 2.2 Connection

See information on the unit!

Press any key to activate the time switch

• the time and date is displayed

## Note:

If no key is pressed the time switch is automatically activated 1 - 2 minutes after power is connected.

#### Note:

When connecting the sensor to terminals 10 and 11, you must **also** insert a jumper between terminals 9 and 10. When you operate several units with one sensor, this jumper may only be inserted **on one unit**.

See circuit diagrams.

## 2. Assembly, Connection, Putting into operation

#### 2.3 Putting into operation

The date and time are set at the factory. The unit is in power-save mode. Only the colon flashes.

- Press any button:
  - The unit is active
  - It shows the time (day of the week)

The unit twilight switch and time switch switches the output. (Terminals 3 and 6) only active if all three conditions are met:

- The set brightness level is not reached
- The set delay time has expired
- The time switch is set to  $\bigcirc = ON$







## 3. Control elements



### 4. Display



## 5. Factory setting

The selections correspond to Central European Time. The time switch offers 3 Operating modes. The date and time, and also the Operating mode AU are set.

#### Operating modes:

- AU Automatic summer time controller switchover see 6.2.1 The switchover occurs on the dates defined by the legislator.
- cHA Weekday-related summer time controller switchover, see 6.2.2

You enter the start and end dates of summer time which applies to your location/country.

e.g. The first Sunday in April of the current year (start of summer time) The last Sunday in October of the year (end of summer time)

In the following years, changeover always occurs on the right day of the week in the correct calendar week.

#### no No changeover, see 6.2.3

#### AM/PM switch-over Switch clock is in current operating mode

- 1. Press h and keep pressed
- 2. Press Res once
  - all segments are displayed
  - after approx. 1 second the following appears: AM, 12.00 and 3 (Wednesday)

Operating mode AU is active = works setting

- 3. Release h
- 4. Select operating mode as required, see 6.2.1 or 6.2.2 or 6.2.3
- 5. Set the current time of day and weekday, see 6.1

## 6. Changing settings

#### Note:

You can exit/conclude any adjustments, changes you make at any time with the key .

## 6.1 Time and day of the week



Press the 🕒 key once

## Set the time:

With the h key – hours With the m key – minutes

### Note for weekly time switch:

If the Operating mode

no = no change - see 6.2.3

was selected, the day of the week must **now** be set.

With the Day 1 - Monday key select: 2 - Tuesday 3 - Wednesday : 7 - Sunday

Press the key once. The clock is now set.





#### 6.2 Calendar month and day - Select the Operating mode



#### 6.2.2 cHA = Weekday - related time change





#### 6.2.3 no = no changeover - only weekly time switch



## 7. Standard switching commands

You determine the switching times and the switching state for the relevant switching output (channel.) Symbol: CH1: ● (ON) = Channel 1 CH2: ○ (OFF) = Channel 2



## 8. Fixed weekday block formation - only weekly time switch

Defined combinations of weekdays or individual days

You determine the weekdays for your switching program. 1 - Monday, 2 - Tuesday, 3 - Wednesday ..., 7 - Sunday

Example: Monday ... Friday (8:00 ON; 22:00 OFF)



#### Note:

Enter the switching times and the switching state O = ON; O = OFF for the switching state (channel). For standard switching commands, see 7.



Press the Prog key once. The input is complete. A free memory location is displayed - for further settings or

press the <sup>()</sup> key 1 once. The input is complete. The display shows the current time.

#### Note:

After the procedures

- read, modify or delete the time, date, switching program
- DCF synchronisation
- restoration of mains power the switching state of the time switch is updated automatically.

#### 9 Read - change - delete - reset

- You can read the program contents stepwise
- You can change or overtype the program contents
- You can delete the program contents
- You can delete the date and time





#### Read

- Press the Prog key step by step Each individual content is displayed until the end of the program. Then:
  - One free memory location
  - One digit (free memory locations) (ex. Fr 10)



#### Change

1.7 Press the Prog key step by step as far as the switching command/contents which you want to change/overtype. Change the switching command/ contents:

As described in

Weekday block formation 8



#### Delete - individual switching commands

- 123 Press the Prog key step by step as far as the switching command/contents which you want to delete.
- Press the Clear key once. 1-2 This switching command is deleted





AU = automatic s/w time changeover See point 5 and 6 for setting the current date.

## 10. Manual switch

The switching output condition (terminals 3 and 6) can always be seen by reference to the output function display symbols.

$\bigcirc$ = Automatic	🔊 = Manual	FIX = Continuous operation
$\bigcirc \bigcirc = \bigcirc$	• • • ON	FIX = Continuous ON
• • = ON	0 🏹 = OFF	O FIX = Continuous OFF
The state of the clock correspond to the entered program.	You have changed – m a n u a l l y – the current state of the clock. The next command in the program is executed again automatically.	You have changed – m a n u a l l y – the current state of the clock. The output will remain fixed ON of OFF until you restore Automatic function by pressing the X key.

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## 11. Technical data

Dimensions  $(H \times W \times D)$  mm Distributor cut-out mm Weight a (approx.) Connection Power consumption at 230 V~ (AC) Switching output Switching contact Switching capacity AC - ohmic load (VDE, IEC) - inductive load  $\cos \omega 0.6$ - Incandescent lamp load Switching capacity DC 24 V-/60 V-/220 V-Method of operation Ambient temperature: - Control unit - Brightness sensor Protection class: - Control unit Brightness sensor Protection Type: - Control unit - Brightness sensor Brightness sensor:

Connecting cable length
Line cross section

Connection type

Can be lead sealed

 $45 \times 54 \times 60$  $46 \times .54$ 250 and 285 See unit imprint Approx. 2.5 VA Potential-free 1 or 2 changeover contacts 16 or 10 A/250 V AC 8 A/250 V AC 2000 W Approx. 800 mA/300 mA/150 mA Flectronic -20 °C to +55 °C -30 °C to +70 °C II in accordance with FN 60.669-1 and Parts and FN 60730-1 and Parts II in accordance with EN 60669-1 and Parts and FN 60730-1 and Parts

IP 20 IP 65 Potential-free Max. 100 m Min. 0.75 mm<sup>2</sup> captive ± screw terminals yes

#### Twilight switch:

- Adjustment range
- Hysteresis
- Switching delay
- Switching state display

#### Time switch:

- Memory locations
- Minimum switching time
- Programmable every
- Block formation of weekdays
- Switching state display
- Summer time/winter time switchover
- Manual switch
- Running accuracy
- Running reserve

2 lx – 500 lx Approx. factor 1.3 of the ON value Adjustable: Approx. 0-100 s ON/0-100 s OFF Without delay

20 or 30 1 minute Minute Fixed default

Yes

Automatic

Automatic/preselection FIXED ON/FIXED OFF Typ. ± 2,5 s/day at +20°C 3 years from the factory