

Standard timer switch display
Art.-No.: ..5201 DTST..

Operationsmanual

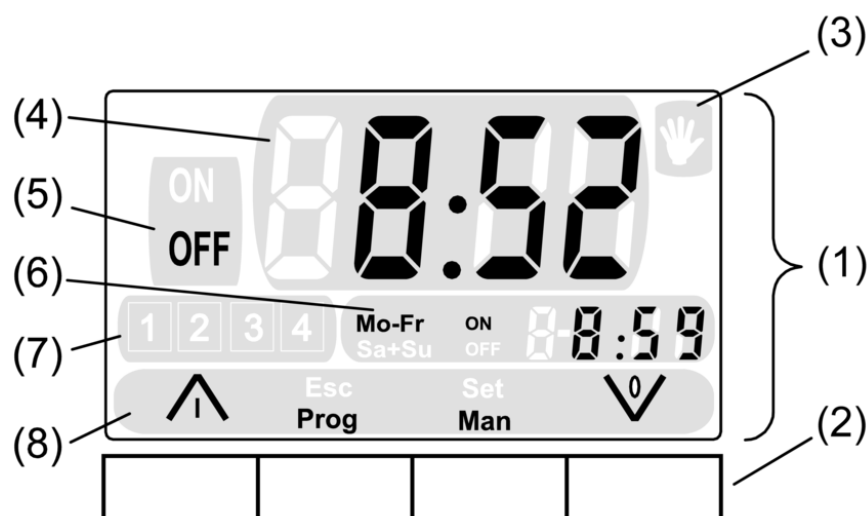
1 Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

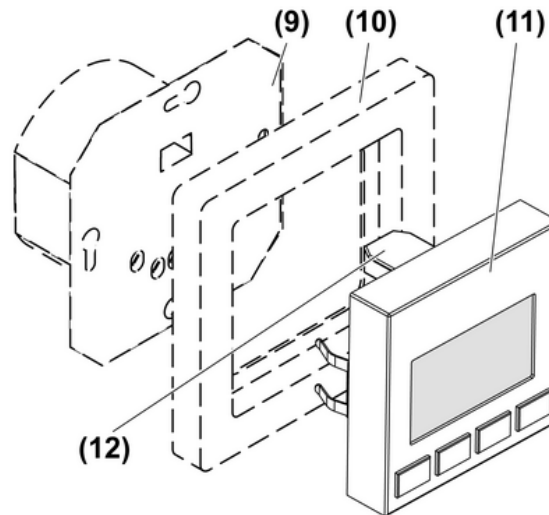
These instructions are an integral part of the product, and must remain with the end customer.

2 Device components



picture 1: Timer with all segments

- (1) Display
- (2) Buttons
- (3) ✎ in display = automatic function OFF
- (4) Display field for current time of day
- (5) Display field for the status of the switching output
- (6) Display field for next switching time for automatic function, or notice text when setting the time of day.
- (7) Memory slot of the switching time, only visible during programming
- (8) Function display for the buttons



picture 2: Timer device components

- (9) Timer insert
- (10) Frame
- (11) Timer
- (12) Plug contact with insert

3 Function

Intended use

- Manual and time-controlled switching of loads
- Operation with timer insert
- Mounting on timer insert

Product characteristics

- Programming of two switch-on times and two switch-off times each for the parts of the week Mo-Fr and Sa+Su
- Programmed switching times are retained permanently
- Display switches off after a power failure, data and time are retained for a power reserve of approx. 4 hours
- Automatic summer/winter time changeover

Behaviour after a mains voltage failure

Loads remain switched off when mains voltage returns.

4 Operation

Set date and time

- Press **Prog** and **Man** buttons simultaneously for longer than 10 seconds. Not necessary after reset or power failure.
Time, hour flashes, display field (6) shows **HOUR**.
- Set hour with **▲** or **▼** button.
- Press **Set** button.
Minute flashes, display field (6) shows **MIN**.
- Set minute with **▲** or **▼** button
- Press **Set** button.
Year flashes, display field (6) shows **YEAR**.
- Set year with **▲** or **▼** button.

- Press **Set** button.
- Set data for month **MON** and day **DAY** in the same manner.
Time and date have been saved.

Switching on loads

- Press **∧** button.

Switching off loads

- Press **∨** button.

i Loads can be switched on and off manually even when the automatic function is active.

Programming switching times

1	Mo-Fr	ON	5:00
1	Mo-Fr	OFF	23:00
2	Mo-Fr	ON	--:--
2	Mo-Fr	OFF	--:--
3	Sa+Su	ON	5:00
3	Sa+Su	OFF	7:30
4	Sa+Su	ON	21:00
4	Sa+Su	OFF	23:00


picture 3: Example of program memory

Each memory slot can be programmed with one switch-on time and one switch-off time. Memory slots [1] and [2] are configured for switching times from Monday to Friday, and memory slots [3] and [4] for switching times on Saturday and Sunday (picture 3).

- Press the **Prog** button and for longer than 4 seconds.
The switch-on time of the first memory slot **Mo-Fr** is displayed.
- Select switching time to be changed using the **∧** or **∨** button. Note the **ON/OFF** and **Mo-Fr/Sa+Su** symbols on the display (picture 3).
- Confirm selection with **Set**.
The hours display of the switching time flashes.
- Change hour with **∧** or **∨** button.
- Press **Set** button.
The minutes display flashes.
- Set minutes with **∧** or **∨** button.
- Press **Set** button.
Display field (6) shows the next switching time.
- Program all of the desired switching time in the same manner.
- Exit programming mode with **Esc** button.

i If more than 2 minutes pass without any operator input, the programming mode is automatically terminated.

Deleting the switching times

- Press the **Prog** button and for longer than 4 seconds.
The switch-on time of the first memory slot **Mo-Fr** is displayed.
- Select switching time to be deleted using the **▲** or **▼** button.
- Confirm selection with **Set**.
The hours display of the switching time flashes.
- Press **▲** and **▼** buttons simultaneously for longer than 4 seconds.
The switching time displays --:--.
-  Alternatively, set time to --:--.
- Press **Set** button.
The switching time is deleted.

Deleting all switching times

- Press the **Prog** button and for longer than 4 seconds.
The switch-on time of the first memory slot **Mo-Fr** is displayed.
- Press **Set** button.
The hours display of the switching time flashes.
- Press **▲** and **▼** buttons simultaneously for longer than 10 seconds.
The indication goes out.
All switching times have been deleted.


Reset

The state as delivered is restored using the reset function.

- Press the buttons **Prog** and **Man** for longer than 20 seconds.
All switching times have been deleted. Time and date must be set again.



Saving current time as switching time, quick programming

The switching times can also be saved without calling up the programming menu. If desired, the current time of day can be saved as the switching time for the entire week.

-  Quick programming overwrites the switch-on or switch-off times of memory slots [1] and [3] and deletes the switching times of memory slots [2] and [4] (picture 3).
- Press the **▲** button and at the same time the **Prog** button for about 4 seconds in order to save the current time as the switch-on time, or
- Press the **▼** button and at the same time the **Prog** button for about 4 seconds in order to save the current time as the switch-off time.
Time has been set as switch-on or switch-off time and is displayed for approx. 5 seconds.


Switching on automatic function

Switching times have been saved. is shown on display.

- Press **Prog** button briefly.
Next switching time appears in display field (6). Indication  goes out. Automatic function is activated.
-  If no switching time is stored, --:-- appears briefly on the display.

Switching off automatic function

Next switching time is visible in display field (6).

- Press **Man** button briefly.
 is shown on display.

Deactivating automatic summer/winter time changeover

In the state as delivered, automatic summer/winter time changeover is activated. The timer moves the time forwards one hour to summer time on the last Sunday in March, and back to winter time on the last Sunday in October.

- Press the button **∧** and **Man** for longer than 20 seconds.
AU:_1 in display field (4) indicates that automatic changeover is activated.
- Press **∨** button.
AU:_0 is shown in display field (4). Automatic changeover is deactivated.
- Press **Set** button.

Activating automatic summer/winter time changeover

- Press the button **∧** and **Man** for longer than 20 seconds.
AU:_0 in display field (4) indicates that automatic changeover is deactivated.
- Press **∧** button.
AU:_1 is shown in display field (4). Automatic changeover is activated.
- Press **Set** button.

5 Information for electrically skilled persons

5.1 Fitting and electrical connection

Fit the timer



DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Disconnect the insert before mounting the timer.


The timer insert is connected (see instructions for insert).

- Fit timer (11) with frame (10) onto the timer insert (9) (picture 2).

5.2 Commissioning

Making basic settings

The timer is fitted on the insert.

- Switch on mains voltage.
- Set date and time (operation).
-  In the state as delivered, no switching times are programmed.
- Program switching time (Operation).
 The device is ready for operation.

6 Appendix

6.1 Technical data

Ambient temperature

0 ... +45 °C

Storage/transport temperature

-10 ... +60 °C

Number of switching times

8

Accuracy per month

± 1 min

Power reserve from storage capacitor

approx. 4 h

6.2 Accessories

Timer switch insert

Art.-No.: 201 TE

6.3 Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

We provide a warranty as provided for by law.

Please send the unit postage-free with a description of the defect to our central customer service office:

ALBRECHT JUNG GMBH & CO. KG

Service Center
Kupferstr. 17-19
D-44532 Lünen
Service-Line: +49 (0) 23 55 . 80 65 51
Telefax: +49 (0) 23 55 . 80 61 89
mail.vka@jung.de

General equipment

Service-Line: +49 (0) 23 55 . 80 65 55
Telefax: +49 (0) 23 55 . 80 62 55
mail.vkm@jung.de

KNX equipment

Service-Line: +49 (0) 23 55 . 80 65 56
Telefax: +49 (0) 23 55 . 80 62 55
mail.vkm@jung.de

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ALBRECHT JUNG GMBH & CO. KG

Volmestraße 1
D-58579 Schalksmühle

Telefon: +49.23 55.8 06-0
Telefax: +49.23 55.8 06-1 89
E-mail: mail.info@jung.de
Internet: www.jung.de
www.jung-katalog.de