

Daily Digital Time Switch 7LF26 14-1

- 4 ON and 4 OFF programmable switching times per day.
- Minimum timing interval 1 minute.
- Running reserve 48hrs, typ. via built-in energy store with unlimited lifetime.
- Push button for direct Summertime/Wintertime changeover.
- The switch contacts are **automatically** set in the correct switching position.

Distribution Board Time Switch

- Snap-on fitting on 35 x 7.5 mm top-hat rail to DIN/EN 50 022.
- Class II protection against direct finger contact when the switch is fitted in:
 - wall housing type 5ST1 310, protection grade IP 40.
 - small distribution boards to DIN 57 603/VDE 0603/6.83
 - distribution boards to DIN 57 659/VDE 0659/3.80

Operating instructions NZ 763-1100

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1

Technical Data

Switching capacity	resistive (ind. cos. $\varphi = 0,6$) loads 16(2) A 250 V ~
Rated voltage	220...240 V ~ 50 Hz 230 V ~ 60 Hz
Permissible voltage limits	187...264 V ~ at 50 Hz 187...244 V ~ at 60 Hz
Energy consumption	$\leq 4,5$ VA at 220 V ~ 50 Hz $\leq 5,3$ VA at 240 V ~ 50 Hz $\leq 6,0$ VA at 230 V ~ 60 Hz
Type of switch	single pole, changeover
Running reserve 48h, typ. after approx. 10 min. charging time	
Running accuracy	± 1 secs per day typ.
Permissible ambient temperature	- 5 °C to +55 °C
Permissible storage temperature	- 20 °C to + 60 °C
Humidity class to DIN 40 040	F
Protection grade to DIN 40 050	IP 20
Standards	DIN VDE 0633

Subject to change.

2

Installation

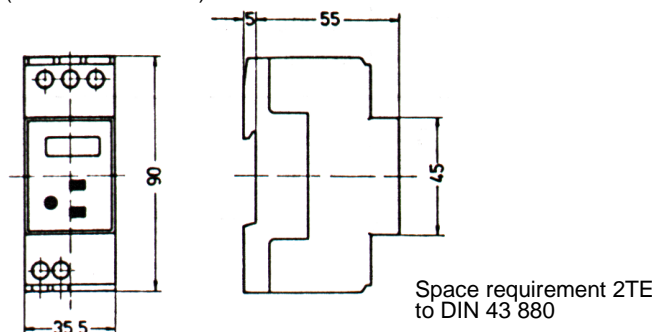
Connect as shown in the circuit diagram on the time switch.

Maximum conductor cross section:
single conductor 4 mm² or 2 x 2,5 mm² or
finely stranded 4 mm² or 2 x 1,5 mm² with or
without ferrules.

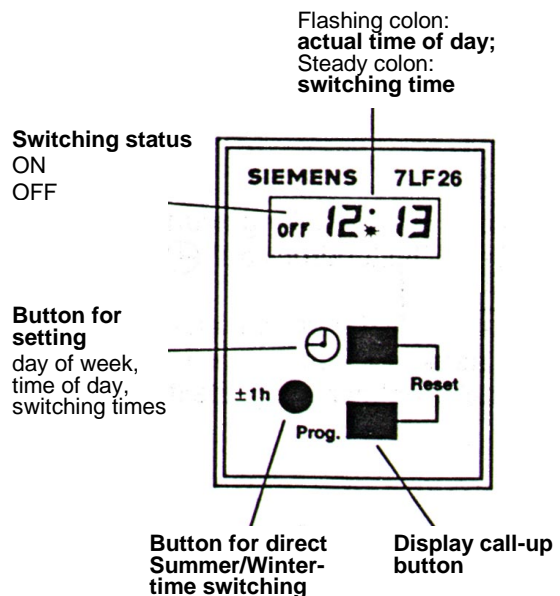
On power failure the switch reverts to its non-energised position. When the supply is restored the switch immediately assumes the correct switching position. The time switch must not be used to switch low level protection voltages to DIN 57 100/VDE 0100 Part 200, section 11.9.

Caution: only authorized personnel should install the time switches.

Dimension diagrams
(Dimensions in mm)



General Information



The time switch has over 10 different display quantities available. They can be displayed one after the other by using the display call-up button. After completing the initial programming or, at the latest, 2 minutes after last activating the push button the actual time of day will be displayed, (Summer or Wintertime, hour, minute) and the colon will flash. In addition the actual switch contact position is indicated by the symbols **ON** or **OFF**.

3

4

All subsequent display quantities (see lines 2 to 10 on page 6) are reserved for the **switching times**.
The colon does not flash. Four pairs of switching sequences are available. (refer page 7).
The final display quantity appears as **OFF E:nd**.

Operation:

The desired display quantity can be called up by pressing the **Prog.** button. The switching time is cancelled on pressing the **⌚** button the first time. The display **--:-0** then appears. Thereafter the new time setting, i.e. for the actual time of day or for the required switching time(s) can be called up either in rapid sequence (by keeping the button depressed) or one step at a time (by repeatedly pressing the button).

Display quantities

Line	Description	Example	Remarks
1	Actual time of day	OFF 12:13	Colon flashes; Summertime, 12:13; Switch in OFF position
2	Switch-on time	ON 8:50	Colon does not flash. Switch switches ON at 8.50 and
3	Switch-off time	OFF 10:11	OFF at 10:11 hrs.
•			
•			
6	Switch-on time	ON --:-0	Colon does not flash. All further switching times on individual days are not occupied.
		•	
		•	
10	Final display quantity	OFF E:nd	

5

6

1. Initial programming or complete reprogramming sequence

- Press the **Prog.** and **⌚** buttons (= Reset) simultaneously. A test programme is initiated on completion of which all switching times are cancelled and the switch contacts are in the OFF position.
- Press the ± 1 h button once. The Wintertime symbol (snowflake) appears.
- If Summertime is required, press ± 1 h again and the Summertime symbol (sun) appears.
- Press the **⌚** button. The time of day is set at 00 : 00.

2. Setting the actual time of day and the day of the week

Call up the actual time of day by pressing the **Prog.** button. The colon flashes.
Press the **⌚** button and either keep depressed (rapid scrolling) or tap until the desired hour setting is reached. Release the **⌚** button and then repeat for the minutes setting.

3. Displaying, cancelling and setting the switching times

Tap the **Prog.** button until the desired switching time appears. Press **⌚** button once to cancel the switching time and **--:-0** is displayed. The new switching time can now be set as required via the **⌚** button.

4. Permanent switching

For special applications the switch can be set to be permanently ON or OFF. The previously programmed switching times are retained.

• Setting the permanent switching mode

Press the **Prog.** button for 2 seconds. The switch contacts are now permanently ON. The display **ON P:Er** appears. Tap the **Prog.** button again. The switch contacts are now permanently OFF and the display **OFF P:Er** appears.

• Cancelling permanently switching

Press the **⌚** button once. The actual time of day will be displayed again. The colon flashes and the time switch will now operate to the set switching time programme. The switch is **automatically** set in the correct position.

5. Resetting Summer/Wintertime

While the colon is flashing, tap the ± 1 h button once. The display will change from Summer to Wintertime or vice-versa.

7

8