Digital time switches - Front panel mounting

TSC44

- ☛ Functions ON/OFF, IMPULS and MANUAL
- ☛ Daily- and weekly program
- ☛ Automatic summertime change over
- ☛ Unrestricted block-programming
- ☛ 30 memory locations
- ☛ 1 or 2 change-over contacts
- ☛ Width 71.5mm
- ☛ Installation design

☛ Technical data

☛ 1. Functions
Automatic ON
Automatic OFF
Automatic pulse   pulse length fixed 1s
Permanently ON/OFF
Manual override

☛ 2. Indicators
LC-display, numeral hight 7.5mm

☛ 3. Time base
Crystal control
Power reserve: >6 years
Crystal accuracy: ±1.5s / day

☛ 4. Mechanical design
Self-extinguishing plastic housing, IP rating IP40
Mounted on DIN-Rail TS 35 according to EN 50022 or wall mounting
Shockproof terminal connection according to VBG 4
(PZ1 required), IP rating IP20
Tightening torque: max. 4Nm
Terminal capacity:
    1 x 1.5mm² to 10mm² without multicore cable end
    2 x 0.8mm² to 2.5mm² without multicore cable end
    1 x 1.0mm² to 6mm² flexible with multicore cable end
    2 x 0.8mm² to 2.5mm² flexible with multicore cable end

☛ 5. Input circuit
Supply voltage:

24V AC	terminals 4-5	(TSC44.12 24VAC)
		(TSC44.21 24VAC)
115V AC	terminals 4-5	(TSC44.12 115VAC)
230V AC	terminals 4-5	(TSC44.12 230VAC)
		(TSC44.21 230VAC)

Tolerance:

24V AC	±10%	(TSC44.12 24VAC)
115V AC	±10%	(TSC44.12 115VAC)
230V AC	±10%	(TSC44.12 230VAC)

Rated frequency: 50/60Hz
Rated consumption:

24V AC	approx. 0,9VA	(TSC44.12 24VAC)
24V AV	approx 1,3VA	(TSC44.21 24VAC)
115V AC	approx. 2,8VA	(TSC44.12 115VAC)
230V AC	approx. 1.5VA	(TSC44 230VAC)

☛ 6. Output circuit
1 potential free change-over contact   TSC44.12
1 potential free change-over contact and
1 potential free normally open contact   TSC44.22
Switching capacity: 4000VA (250V AC / 16A at cos=1)
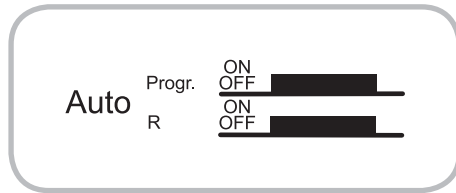Shortest interval: 1min (resp. 1s for impuls)

☛ 7. Ambient conditions
Ambient temperature: -5 to +50°C
Storage temperature: -5 to +50°C
Transport temperature: -5 to +50°C
Relative Humidity: <90%
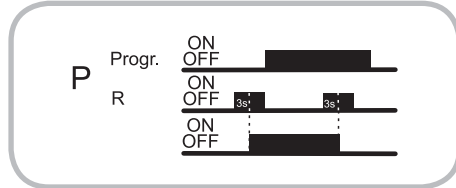
13.02-1

👉 Functions

Auto
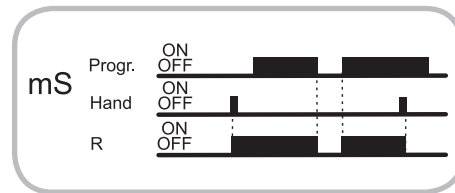Setting of output relays according to the programmed parameters.

Permanently ON/OFF
With this function it is possible to fix any output relay in ON or OFF position independent to the set program parameters
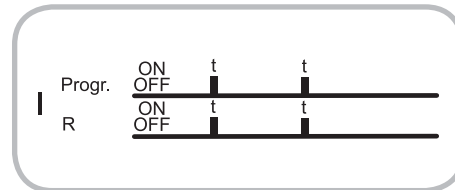

Manual override
This function forces the output relay to switch into the position given for the next program step instantaneously (even before the interval given for the actual program step has expired). The relay remains in this position until the next invers control signal of the program accurs
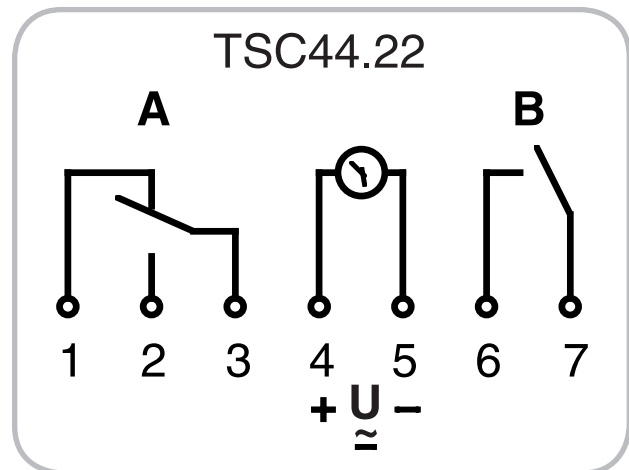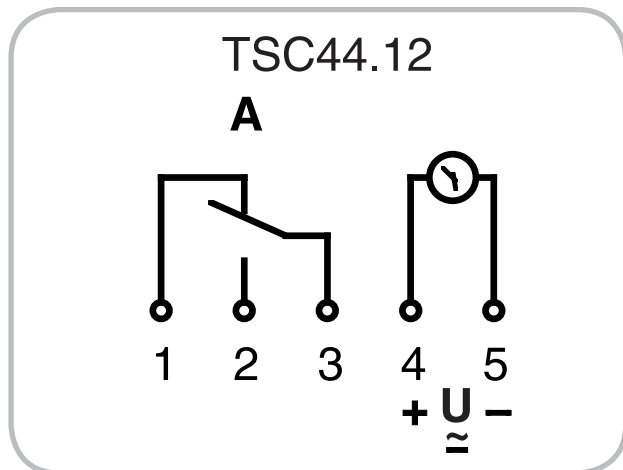

Impuls
If an impulse is set at a given time the output relay switches into on-position fix for 1 second.

👉 Connections

TSC44.12

TSC44.22

👉 Dimensions

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