Digital time switches - DIN-Rail mounting — TSC28.X1pro

- ☞ Functions ON/OFF IMPULS, MANUAL
- ☞ 1 or 2 co contacts 16A
- ☞ Daily-, weekly and holiday program
- ☞ Automatic summertime change over
- ☞ Unrestricted block-programming
- ☞ Elapsed time and pulse counter for each channel and elapsed counter for the device
- ☞ Manual override
- ☞ Data-key Save 'n carry pro (optional)
- ☞ Supply voltage independent programming
- ☞ 46 memory locations
- ☞ Unlimited program security
- ☞ Security by PIN-Coding
- ☞ Illuminated LC-Display
- ☞ Width 38,5mm, Installation design

☞ Technical data

☞ 1. Functions
Automatic ON
Automatic OFF
Automatic pulse, pulse length settable from 00:01 up to 59:59 mm:ss
Permanently ON/OFF
Manual override
Elapsed time and pulse counter for each channel
and elapsed counter for the device
Automatic summertime change over
Daily-, weekly and holiday programm
Unrestricded block-programming

☞ 2. Indicators
Illuminated LC-display
Display with a large dot matrix area (7.5 cm²)

☞ 3. Time base
Crystal control (at 20°C)
Power reserve: >6 years
Crystal accuracy: ±1 s / day
Unlimited data security by EEPROM

☞ 4. Mechanical design
Self-extinguishing plastic housing, IP rating IP20
Mounted on DIN-Rail TS 35 according to EN 50022
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:
    230V AC   terminals L-N   TSC28.11 pro 230VAC
                       terminals L-N   TSC28.21 pro 230VAC

    Tolerance:

    230V AC   ±10%   TSC28 pro 230VAC
Rated frequency: 50 to 60Hz
Rated consumption:
    230V AC   approx. 1.5VA   TSC28 pro 230VAC

☞ 6. Output circuit
1 potential free change-over contact   TSC28.11 pro
2 potential free change-over contacts   TSC28.21 pro
Switching capacity: 4000VA (16 A / 250V AC at cosφ=1)
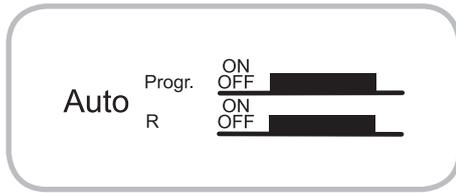Shortest interval: 1min (resp. 1s for impulse)

☞ 7. Ambient conditions
Ambient temperature: -10 to +55°C
Storage temperature: -10 to +55°C
Transport temperature: -10 to +55°C
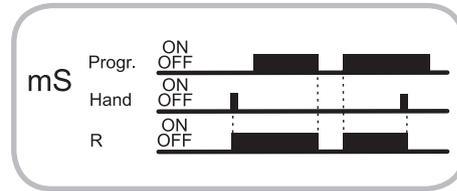Relative Humidity: <90%

☛ Functions

Auto
Setting of output relays according to the programmed parameters.
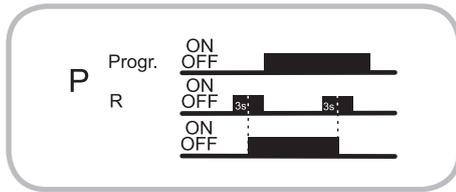
Auto — Progr. ON/OFF, R ON/OFF

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
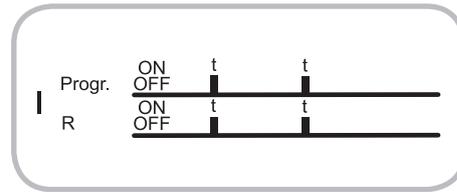
mS — Progr. ON/OFF, Hand ON/OFF, R ON/OFF

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

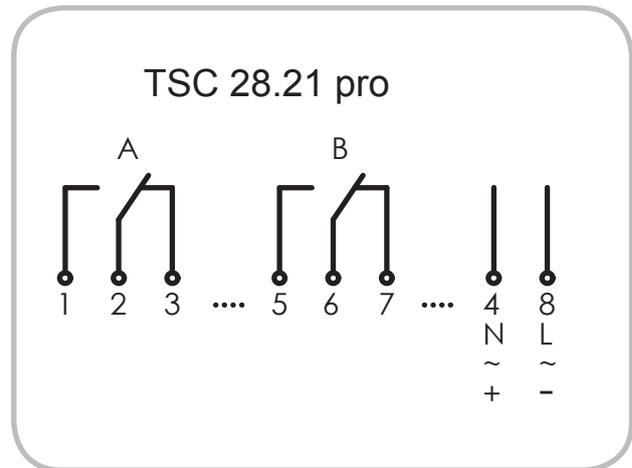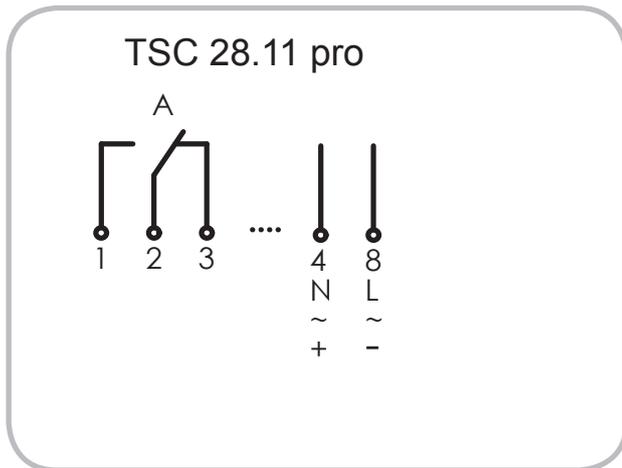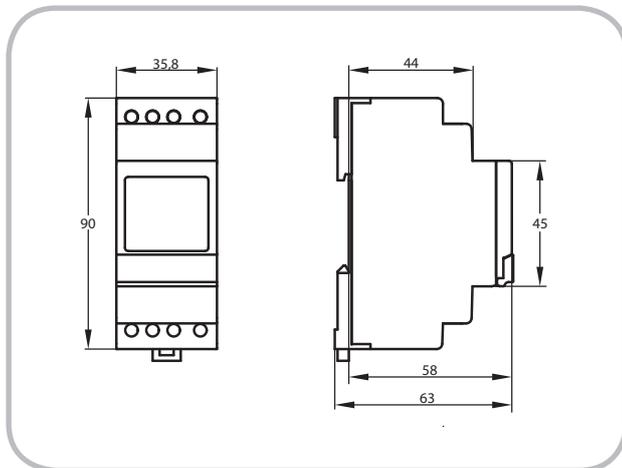P — Progr. ON/OFF, R ON/OFF 3s, ON/OFF

Impuls
If an impulse is set at a given time the output relay switches into on-position for the set time period. (00:01 up to 59:59 mm:ss)

I — Progr. ON/OFF t, R ON/OFF t

☛ Connections

TSC 28.11 pro

A

1   2   3   ....   4 N ~ +   8 L ~ –

TSC 28.21 pro

A   B

1   2   3   5   6   7   ....   4 N ~ +   8 L ~ –

☛ Dimensions

35,8   44   90   45   58   63

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