

- ▶ 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
 Unrestricted 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)

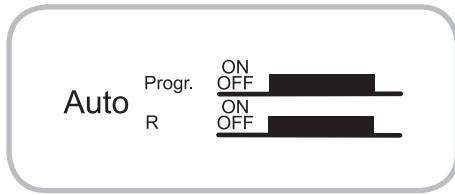
7. Ambient conditions

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

Functions

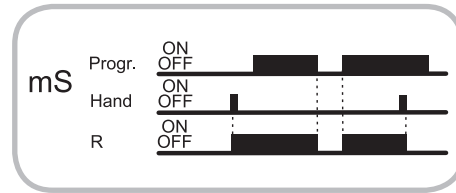
Auto

Setting of output relays according to the programmed parameters.



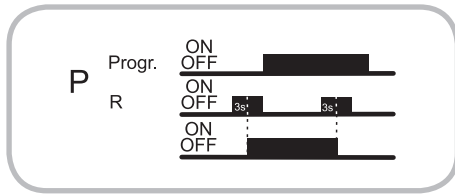
Manual override

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 occurs



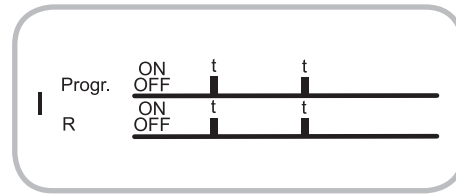
Permanently ON/OFF

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

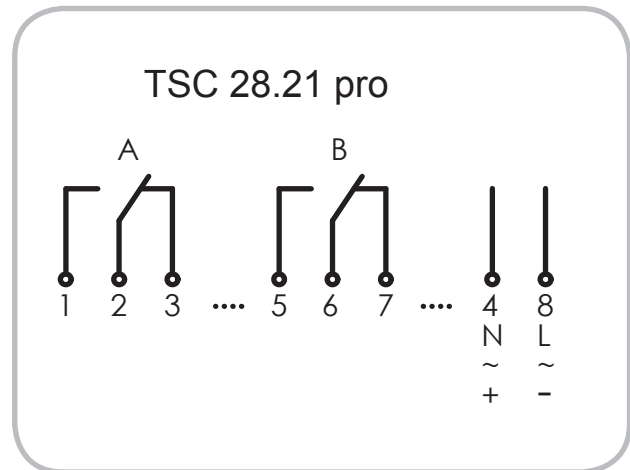
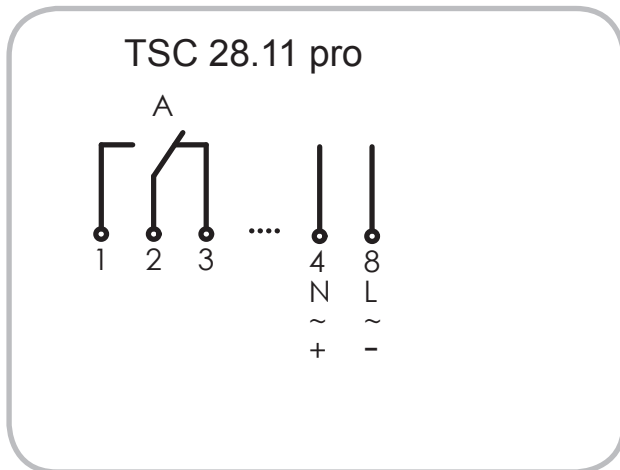


Impuls

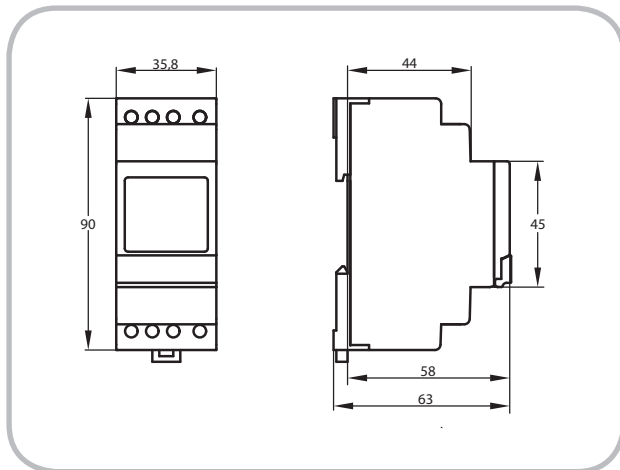
If an impulse is set at a given time the output relay switches into on-position for the set time period. (00:01 up to 59:59 mm:ss)



Connections



Dimensions



Subject to alterations and errors