- ☛ Functions ON/OFF IMPULS, MANUAL
- ☛ Daily-, weekly and holiday program
- ☛ Automatic summertime change over
- ☛ Unrestricted block-programming
- ☛ 30 memory locations
- ☛ Illuminated LC-Display

- ☛ Sealable
- ☛ 1 or 2 change-over contacts
- ☛ Width 38,5mm
- ☛ Installation design

☛ Technical data

Subject to alterations and errors

☛ 1. Functions
Automatic ON	
Automatic OFF	
Automatic pulse	pulse length settable from 1 to 59s
Permanently ON/OFF	
Manual override	

☛ 2. Indicators
Illuminated LC-display

☛ 3. Time base
Crystal control	
Power reserve:	>6 years
Unlimited data security by EEPROM	
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:
115V AC	terminals 4-8	TSC28.11 115VAC
		TSC28.21 115VAC
230V AC	terminals 4-8	TSC28.11 230VAC
		TSC28.21 230VAC

Tolerance:
115V AC	±10%	TSC28.11 115VAC
230V AC	±10%	TSC28.11 230VAC
Rated frequency:		50 to 60Hz

Rated consumption:
115V AC	approx. 2.8VA	TSC28 115VAC
230V AC	approx. 1.5VA	TSC28 230VAC

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

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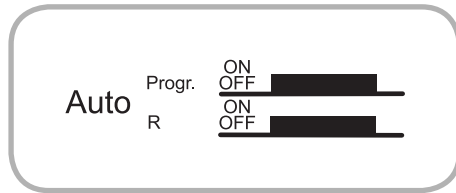|	
Ambient temperature:	-10 to +55°C
Storage temperature:	-10 to +55°C
Transport temperature:	-10 to +55°C
Relative Humidity:	<90%

☛ 8. Accessories
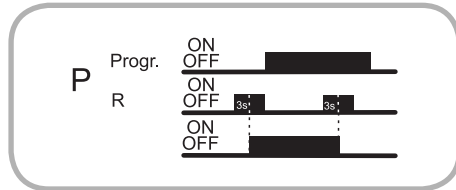|	
KA-TSC28:	sealable terminal cover

👉 Functions

Auto
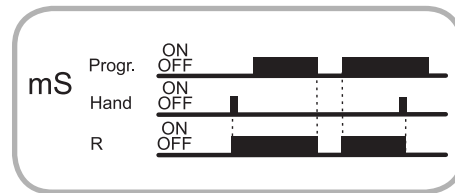Setting of output relays according to the programmed parameters.

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
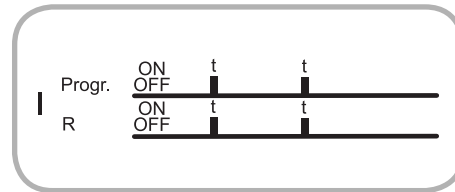

Manual override
This function forces the output relay to switch into the position given for the next program step instantaneously (even before the interval given for the actual program step has expired). The relay remains in this position until the next invers control signal of the program accurs
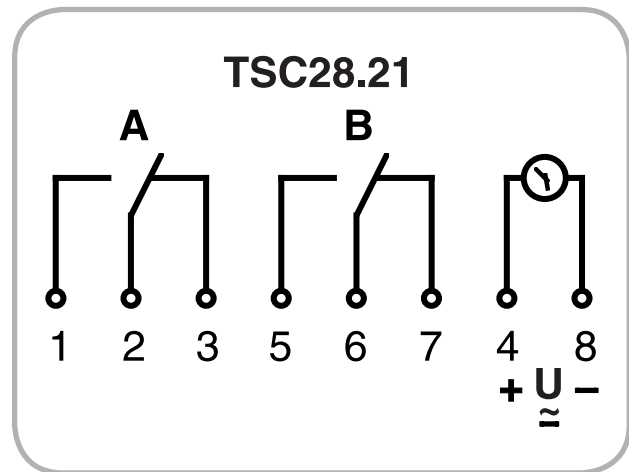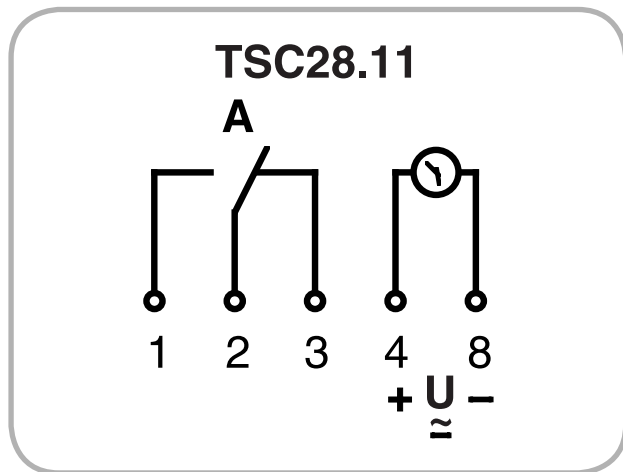

Impuls
If an impulse is set at a given time the output relay switches into on-position for the set time period.

👉 Connections

TSC28.11

A

1   2   3   4   8
+ Ṵ −

TSC28.21

A   **B**

1   2   3   5   6   7   4   8
+ Ṵ −

👉 Dimensions

5mm   44mm
55mm
38,5mm
45mm
90mm

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