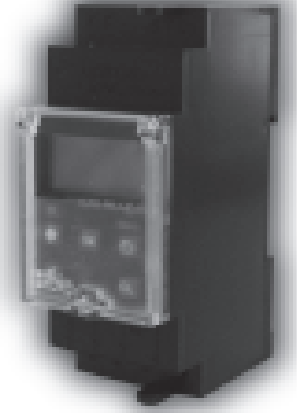


## Digital time switches - TSC series

- ▶ DIN-Rail or wall mounting
- ▶ Width 35.8mm
- ▶ 1 channel
- ▶ ON, OFF or impulse function
- ▶ Permanently ON/OFF
- ▶ Manual override
- ▶ Daily and weekly program
- ▶ Holiday program
- ▶ 30 memory locations
- ▶ Unrestricted block-programming
- ▶ Automatic summertime change over
- ▶ Supply voltage independent programming
- ▶ Unlimited data security by EEPROM
- ▶ Illuminated LC-display
- ▶ Sealable front cover



## Technical data

### 1. Functions

Auto	Auto ON/OFF	
I	Impulse	adjustable, 1 to 59s
P	Permanent ON/OFF	
mS	Manual override	

### 2. Indicators

Illuminated LC-display

### 3. Time base

Crystal-controlled	
Power reserve:	>6 years
Unlimited data security by EEPROM	
Crystal accuracy:	±1.5s / day

### 4. Mechanical design

Self-extinguishing plastic housing, IP rating IP40, Class of protection II  
 Mounted on DIN-Rail TS 35 according to EN 50022 or wall mounting (terminal cover required)  
 Shockproof terminal connection according to VBG 4, IP rating IP20 (IP 40 with terminal cover)  
 Initial torque: max. 4Nm  
 Terminal capacity:  
 1 x 1.5 to 10mm<sup>2</sup> without multicore cable end  
 2 x 0.8 to 2.5mm<sup>2</sup> without multicore cable end  
 1 x 1.0 to 6mm<sup>2</sup> flexible with multicore cable end  
 2 x 0.8 to 2.5mm<sup>2</sup> flexible with multicore cable end

### 5. Input circuit

Supply voltage:		
115V AC	terminals 4-8	(TSC28.11 115VAC)
230V AC	terminals 4-8	(TSC28.11 230VAC)
Tolerance:		
115V AC	±10%	(TSC28.11 115VAC)
230V AC	±10%	(TSC28.11 230VAC)
Rated frequency:	50 to 60Hz	
Rated consumption:		
115V AC	approx. 0.3VA	(TSC28.11 115VAC)
230V AC	approx. 1.5VA	(TSC28.11 230VAC)

### 6. Output circuit

1 potential free change over contact  
 Switching capacity: 4000VA (16A / 250V AC at  $\cos\phi=1$ )  
 Shortest interval: 1min (resp. 1s for impulse)

### 7. Ambient conditions

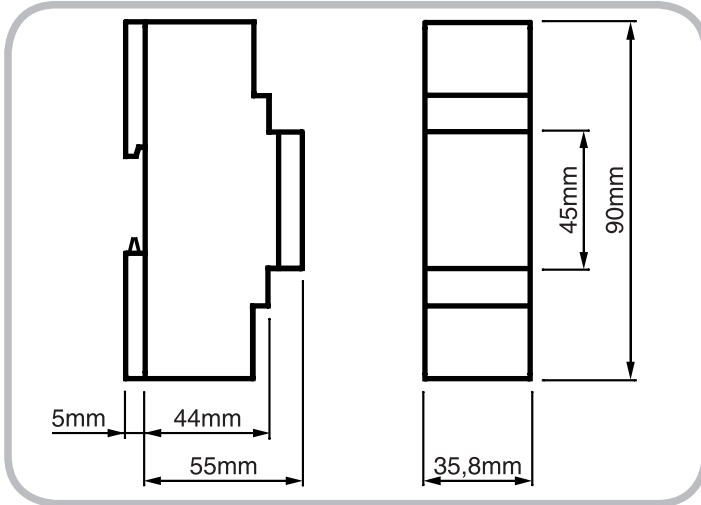
Ambient temperature:	-5 to +50°C
Storage temperature:	-5 to +50°C
Transport temperature:	-5 to +50°C
Relative humidity:	<90%

### 8. Accessories

KA-TSC28: sealable terminal cover



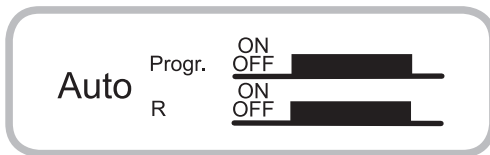
## Dimensions



## Functions

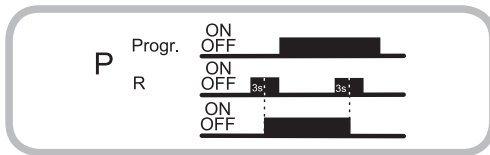
### Auto ON/OFF

The output relay changes its state according to the control signals of the program.



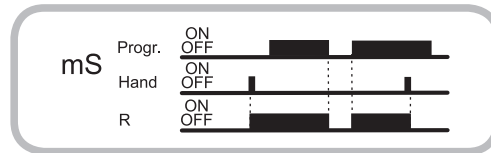
### Permanently ON/OFF

The output relay remains in the selected position and is not influenced by the control signals of the program.



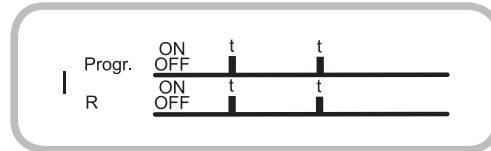
### Manual override

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 control signal of the program occurs.



### Impulse

If an impulse is set at a given time the output relay switches into on-position for the adjusted time period (1 to 59s).



## Connections

