

# TSD | Digital time switches with weekly/yearly program

Digital time switches

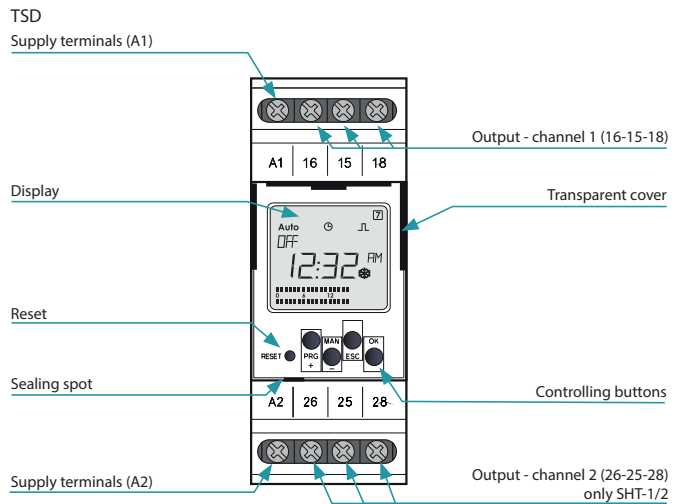


EAN code  
TSD : 541509505053513

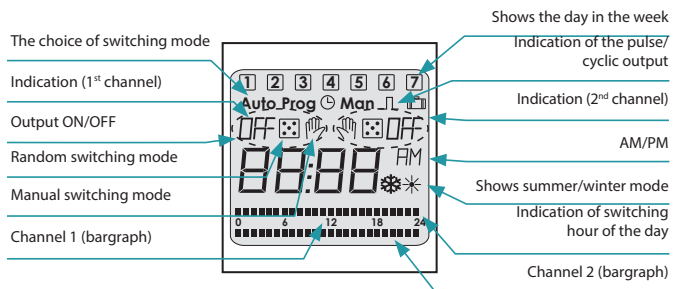
Technical parameters TSD	
Supply terminals:	A1 - A2
Voltage range:	AC 230 V (50-60 Hz)
Burden:	AC max. 14 VA/2 W
Max. dissipated power (Un + terminals):	3.5 W   5 W
Supply voltage tolerance:	-15 %; +10 %
Back-up supply:	yes
Summer/winter time:	automatic
<b>Output</b>	
Contact type:	2x changeover/SPDT (AgSnO <sub>2</sub> )
Current rating:	16 A/AC1; 1 HP 240 Vac, 1/2 HP 120 Vac; PD. B300
Breaking capacity:	4000 VA/AC1, 384 W/DC
Inrush current:	30 A/< 3 s
Switching voltage:	250 V AC/24 V DC
Mechanical life:	30.000.000 ops.
Electrical life (AC1):	100.000 ops.
<b>Time circuit</b>	
Power back-up:	up to 3 years
Accuracy:	max. ±1s/day at 23 °C (73.4 °F)
Minimum interval:	1 min
Data stored for:	min. 10 years
Cyclic output:	1 – 99 s
Pulse output:	1 – 99 s
<b>Program circuit</b>	
Number of memory places:	100
Program:	daily, weekly, monthly, yearly
Data readout:	LCD display, with back light
<b>Other information</b>	
Operating temperature:	-20 .. +55 °C (-4 .. 131 °F)
Storage temperature:	-30 .. +70 °C (-22 .. 158 °F)
Dielectric strength:	AC 4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP10 clips, IP40 from front panel
Overvoltage category:	III.
Polution degree:	2
Cross-wire section – solid/stranded with ferrule (mm <sup>2</sup> ):	max. 2x 2.5 or 1x 4/ max. 1x 2.5 or 2x 1.5 (AWG 12)
Dimensions:	90 x 35 x 64 mm (3.5" x 1.4" x 2.5")
Weight:	(UNI) – 132 g (4.7 oz), (230) – 128 g (4.5 oz)
Standards:	EN 61812-1

- It serves to control various types of appliances depending on real time with the possibility of daily, weekly, monthly and yearly programs.
- Switching: according to program (AUTO)/permanently manually (MAN)/random (R).
- 2-channel design, each channel is adjustable individually.
- Sealable transparent front panel cover, easy control with 4 buttons.
- Cyclic/pulse output option.
- Real time backup - up to 3 years using built-in battery.
- Automatic summer/winter time transition (can be switched off in settings).

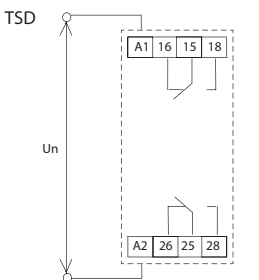
## Description



## Description of displayed elements on the screen



## Connection



## Symbol

