

# TSDAW | Multifunction digital time switch with Wi-Fi connection

Digital time switches

**ALL IN ONE**  
daily  
weekly  
yearly  
astro  
PROGRAM

**WEB**  
SERVER

**Wi-Fi**  
2.4 GHz



EAN code  
TSDAW : 5415095053544  
SHT-13/2: 8595188184854

## Technical parameters TSDAW

Supply terminals:	A1-A2
Supply voltage:	AC/DC 24 – 240 V (AC 50-60 Hz)
Consumption (max.):	Wi-Fi "OFF" 0.5 W/2 VA   "ON" 1 W/3 VA
Supply voltage tolerance:	-15 %; +10 %

## Output

Contact type:	1x changeover (AgSnO <sub>2</sub> )	2x changeover (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/DC1	
Inrush current:	30 A/< 3 s	
Switching voltage:	250 V AC/24 V DC	
Power dissipation (max.):	1.2 W	2.4 W
Mechanical life:	30.000.000 ops.	
Electrical life (AC1):	100.000 ops.	

## Time circuit

Accuracy:	max. ±0.5 s/day at 23°C (73.4 °F)
Min. switching interval:	1 s
Data retention time:	min. 10 years
Set time backup:	up to half a year with 60 outages (CR 2032 - 3V)

## Program circuit

Number of memory locations:	200 - time programs, 30 - holidays
Program type:	daily, weekly, yearly, astro
Displayed data:	LCD display with white backlight
Settings via website:	by Wi-Fi (2.4 GHz)

## Other information

Operating temperature:	-20 .. +55 °C (-4 .. 131 °F)
Storage temperature:	-30 .. +70 °C (-22 .. 158 °F)

Dielectric strength:	supply – output	AC 4 kV
	output 1 – output 2	AC 4 kV

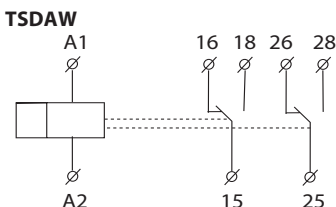
Operating position:	any
Mounting:	DIN rail EN 60715

Protection degree:	IP40 front panel / IP20 terminals
Overvoltage category:	III.

Pollution degree:	2
Cross-wire section – solid/ stranded with ferrule (mm <sup>2</sup> ):	max. 1x 2.5, 2x 1.5/
	max. 1x 2.5 (AWG 14)

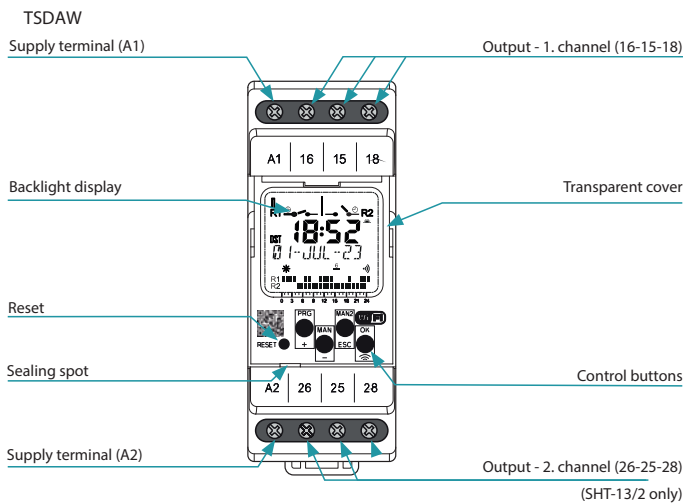
Dimensions:	90 x 35 x 64 mm (3.5" x 1.4" x 2.5")
Weight:	122 g (4.3 oz)   135 g (4.8 oz)
Standards:	EN 61812-1

## Symbol

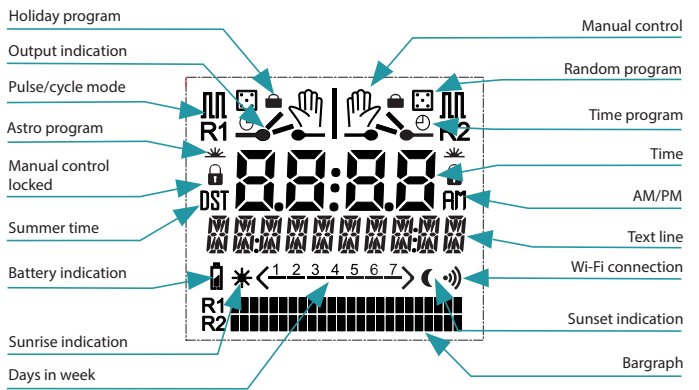


- All programs in one device (daily, weekly, yearly and astronomical).
- UNiversal supply voltage in range of AC/DC 24 – 240 V (AC 50-60 Hz).
- Simple setting after the first start-up.
- User replaceable battery to back up the set time during power outages.
- Built-in web server for setup and control via Wi-Fi connection.
- Time synchronization through NTP server (require internet connection).
- Possibility of permanent connection to the local network.
- New well-arranged display with white backlight.
- ASTROnomic program: manual entry of coordinates or selecting from one of more than 500 preset cities.
  - selection of days of the week
  - astro interrupt function (night break): controls the sunrise/sunset times and compares them with the set OFF/ON times
  - high position accuracy thanks to two decimal places in latitude/longitude
- One/two channel design (each with an operating hours counter).
- Pulse/cycle output mode.
- Transition of summer/winter time – AUTO or OFF.
- Sealable transparent front panel cover.
- PIN code protection against unauthorized changes.

## Description



## Description of displayed elements



## Connection

