

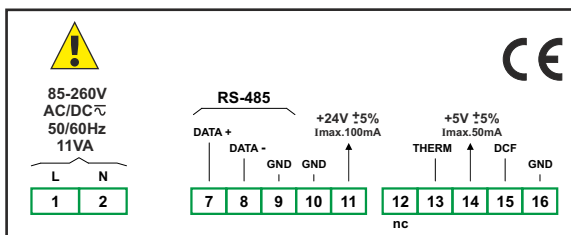
## SWZ-W610

- ▣ large-size digital temperature, humidity and clock display
- ▣ RS-485 / Modbus RTU
- ▣ indoor applications

The **SWZ-W610** digital clock displays current time on 6 digits, high brightness, LED display. The reading are shown in sequence: present time (hours, minutes and seconds), present date (day of month, month and two last digits of year) temperature and humidity (while the device is equipped with optional temperature and humidity sensor). The time is presented in 24-hours mode only and internal battery preserves proper time counting, even if device is turned off from power supply. The device is intended for an indoor operation. The display is available in red colour. An IR receiver allows for device reprogramming without the need to remove the casing. An optional remote controller enables remote setting of all clock parameters. On request, the clock can be equipped with an external DCF receiver to achieve the highest possible time indication accuracy.

- alternate display of hour, date, temperature or humidity,
- possibility of connection of external temperature and humidity sensors or DCF receiver,
- readings perfectly visible from a large distance,
- 8-step adjustment of brightness for the display,
- versions available with AC and DC power supply,
- high quality casing material.

### Exemplary pin assignment



### Ordering

SWZ-W610-XX00-1-X-001

**power supply:**  
**3** : 24V AC/DC  
**4** : 85V - 260V AC/DC

**inputs:**  
**00** : clock  
**1F** : clock + temperature sensor **SCT-650**  
**1J** : clock + temperature sensor **SCT-653**  
**2H** : clock + temperature / humidity sensor **SCT-750**  
**2K** : clock + temperature / humidity sensor **SCT-753**



### Typical applications

1. Application wherever there is a need for readable time, temperature and humidity readings from a large distance.
2. Application in public facilities:
  - banks, post offices,
  - schools, universities,
  - swimming pools, sports arenas,
  - hotels.
3. Application in a corporation's lobby.

### Technical data

**Power supply:** 19V ± 50V DC; 16V ± 35V AC or 85 ± 260V AC/DC, all separated  
**Power consumption:** for 85 ± 260V AC/DC and 16V ± 35V AC power supply: max. 11 VA; 19V ± 50V DC power supply: max. 8 W

**External fuse:** T - type, max. 2 A

**Internal clock:** non-removable battery, 3V, Li

**Display:** LED, red, 4 x 100 mm + 2 x 57 mm, with 8-steps brightness regulation

**Displaying range:** depends on sensor type

**SCT-650, SCT-653:** temperature -40°C to 85°C, resolution 1°C

**SCT-750, SCT-753:** temperature -40°C to 85°C, resolution 0,1°C;  
 humidity 0 to 100% RH, resolution 1%

**time:** 24h format (hours, minutes, seconds)

**date:** day of month, month, 2 last digits of year

**Inputs:** - digital temperature sensor (option), 2-wire connection

- digital temperature and humidity sensor (option), 4-wire connection

- DCF77 receiver (option) - the receiver output NPN or push-pull type, signal with positive or negative polarization

**Outputs:** 24V DC ± 5% / max. 100 mA

5V DC ± 5% / max. 50 mA, for supplying temperature/humidity sensor and DCF77 receiver

**Communication interface:** RS-485, 8N1, 1200 bit/s + 115200 bit/s, Modbus RTU (not galvanically isolated)

**Data memory:** non-volatile memory, EEPROM type

**Operating temperature:** 0°C + +50°C

**Storage temperature:** -10°C + +70°C

**Protection class:** IP 30

**Case:** wall-mounted

**Case material:** aluminium + methyl polymethacrylate

**Case dimensions:** 578 x 208 x 102 mm

### Accessories

- 1) **SIR-15** - IR remote controller



- 2) **SCT-650** - temperature sensor, measuring range: -40°C + +85°C, diameter: Ø6 mm, built in the SWZ-W610
- 3) **SCT-653** - temperature sensor, measuring range: -40°C + +85°C, diameter: Ø6 mm, cable length: 3 m
- 4) **SCT-750** - temperature / humidity sensor, measuring range: -40°C + +85°C, diameter: Ø8 mm, built in the SWZ-W610
- 5) **SCT-753** - temperature / humidity sensor, measuring range: -40°C + +85°C, diameter: Ø8 mm, cable length: 3 m

