



## SWS-W510

- large-size indicator
- 100 mm LED display
- RS-485 / Modbus RTU
- MASTER / SLAVE selected from the menu
- possibility of displaying mnemonic messages
- display brightness adjustable in 8 steps
- all parameters are freely programmable with remote controller or free configuration software S-Config

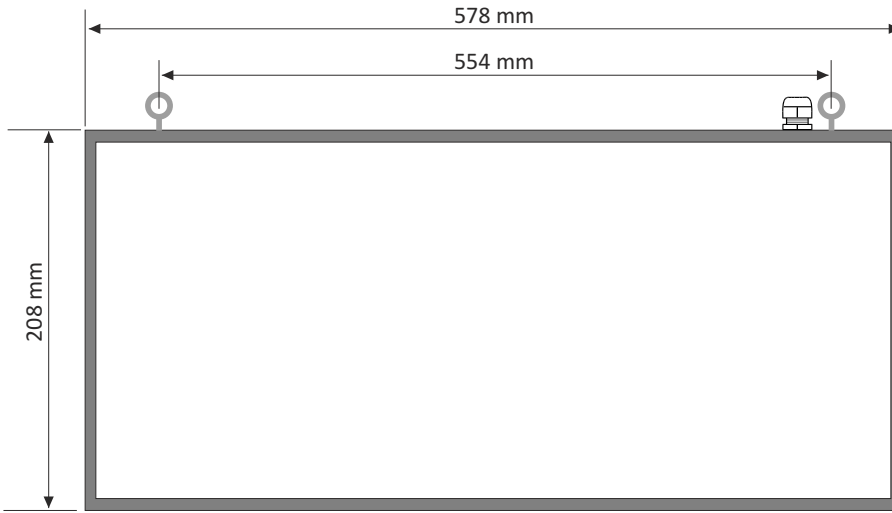
The **SWS-W510** is a simple digital panel indicator intended for displaying any numerical values and characters defined by user (in SLAVE mode only) sent from the master device over the RS 485 serial interface link. The displayed value may be collected from other device (in MASTER mode). The display brightness can be adjusted in 8 steps. The device has 4 buttons being used for main presets programming. To get high protection level, the keyboard is mounted under transparent cover. To allow user to change presets without opening the cover, an IR sensor is mounted. Remote controller keyboard is equivalent to the device keyboard. Modbus RTU protocol is used to communication with device. It is possible to order device with other communication protocol using RS-485 interface (special order required). The indicator can be configured with IR remote controller, local keyboard or free S-Config software via the RS-485 communication port.

### 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 for 19V ÷ 50V DC power supply: max. 10 W    |
| Display                 | LED, red, 5 x 100 mm, with 8-step adjustment of brightness  |
| Displayed values        | 5 digits (-9999 ÷ 99999 plus decimal point) or any of character indication in range of 7-segments display |
| Power supply output     | 24V DC +5%, -10% / max. 100 mA, stabilized  |
| Communication interface | RS-485, Modbus RTU (not galvanically isolated)  |
| Transmission speed      | adjustable in range from 1200 to 115200 bit/sek.  |
| Transmission parameters | 8N1 and 8N2   |
| Operating temp.         | 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)  |
| Storage temp.           | -10°C ÷ +70°C (standard), -20°C ÷ +70°C (depending on option)   |
| Protection class        | IP 30   |
| Case                    | wall mounting; material: aluminium + methyl polymethacrylate  |
| Dimensions (WxHxD)      | 578 x 208 x 102 mm  |



**DIMENSIONS**

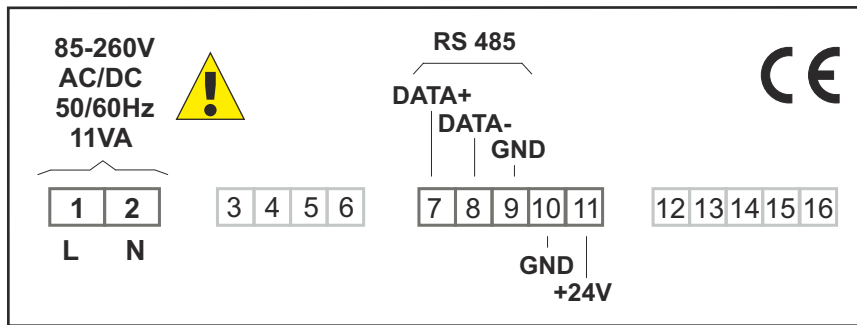


Case dimensions and distances between mounting holes



Side view

**EXAMPLARY PIN ASSIGNMENTS**



**ORDERING**

SWS-W510-0000-1-X-XX1

**options:**

- 00 : no options
- 08 : operating temp. -20°C ÷ +50°C

**power supply:**

- 3 : 24V AC/DC
- 4 : 85V - 260V AC/DC



## REMOTE CONTROLLER

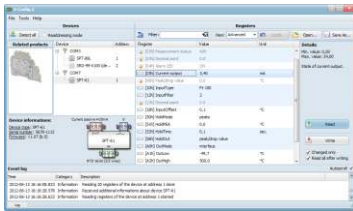


### SIR-15

InfraRed remote controllers may be used as external programming keyboard for all SIMEX devices equipped with IR receivers and remote programming functions. Pressing of any local IR controller key, causes transmission of it's code to the device. Functions of particular keys depend on devices features.

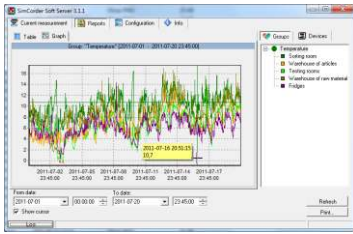
Power supply voltage: 6V DC - 4 alkaline batteries type LR44  
 Operation range: from 0,5 to 5 m (depend on programmed device features)

## SOFTWARE



**S-Config 2** is used for the simultaneous detection of devices in multiple Modbus RTU networks and allows user to change the configuration of most of them. For each detected device a list of its registers, which the user can modify, is displayed and also additional informations about device parameters (type, address in the network, etc.).

**S-Config** software can be downloaded from SIMEX website at [www.simex.pl](http://www.simex.pl)



**SimCorder Soft** is a visualisation application created to facilitate work with advanced networks of the SIMEX devices, for acquisition, visualisation, reporting, archiving, exporting and printing of measurement data from all network devices. You can download measurements from the devices automatically or on demand. There is a possibility of immediate notification about emergency states via SMS or e-mail, which will often allow to quickly resolve an arising problem while avoiding long and expensive stoppages. You can view the measurement data, emergency states and configuration via the internet at every time.

## CONVERTERS



The **SRS-U4** module is designed to connect a USB host to slave devices equipped with RS-485 interface. The PC with special software can be used as a host. The **SRS-U4** unit guarantees full galvanic isolation between USB and RS-485 circuits. The converter can work with any devices equipped with RS-485 interface and contains integrated circuit which supports USB 1.1 and USB 2.0 standards. The main purpose is connection of PC host computer with industrial data acquisition and visualisation systems based on RS-485 interface.

The **SRS-U4** can be also manufactured with DIN mounting adaptor.