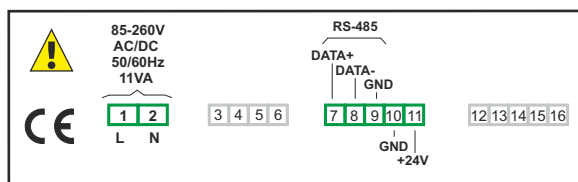**simex**

SWS-W510

- **large-size indicator**
- **RS-485 / Modbus RTU**
- **MASTER / SLAVE**
- **digits height: 100 mm**

CE

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 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 (Note, that remote controller SIR-15 is not a part of the set. It is an additional equipment). Modbus RTU protocol is used to communication with device. The transmission speed is user defined in 1200 ÷ 115200 baud range. It is possible to order device with other communication protocol using RS-485 interface (special order required).

- operation option MASTER/SLAVE selected from the menu,
- possibility of displaying mnemonic messages,
- display brightness adjustment,
- programming by means of a built-in keypad, IR programmer SIR-15 or RS-485 communication interface.

Typical applications

1. Repeater of displayed information i.e. from the SRP-94 indicator featuring the RS-485 / SLAVE interface.
2. Application wherever there is a need for precise (readable) readings from a large distance.

4-20 mA **RS 485**

Examplary pin assignment

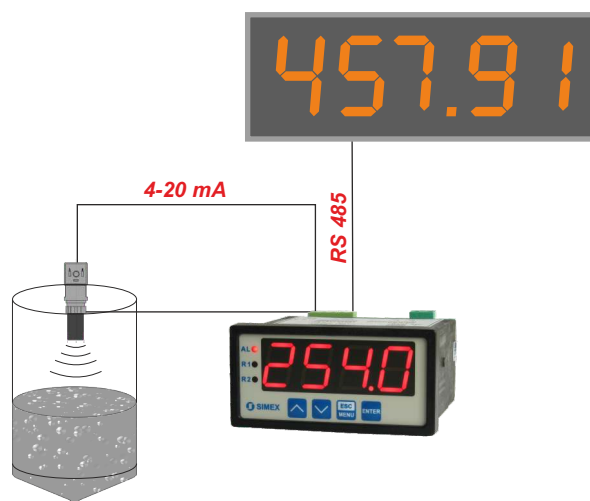|	85-260V AC/DC 50/60Hz 11VA					RS-485 DATA+ DATA- GND						
⚠ CE	**1** **L**	**2** **N**	3	4	5	6	7	8	9	10	11	12 13 14 15 16

GND +24V

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

Technical data

Power supply: 19V ÷ 50V DC; 16V ÷ 35V AC or 85 ÷ 260V AC/DC, all separated
External fuse (required): T - type, max. 2 A
Power consumption: for 85 ÷ 260V AC/DC and 16V ÷ 35V AC power supply: max. 11 VA; for 19V ÷ 50V DC power supply: max. 8 W
Display: LED, red, 5 x 100 mm, with 8-step adjustment of brighness
Displayed values range: 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, 8N1 and 8N2, Modbus RTU, not galvanically insulated
Transmission speed: adjustable in range from 1200 to 115200 bit/sek.
Data memory: non-volatile memory, EEPROM type
Operating temperature: 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)
Storage temperature: -10°C ÷ +70°C (standard), -20°C ÷ +70°C (with option **08**)
Protection class: IP 30
Case: wall-mounted
Case material: aluminium + methyl polimethacrylate
Case dimensions: 578 x 208 x 102 mm

Accessories

IR remote controller
SIR-15