IR remote controller
SIR-15

SWS-W606

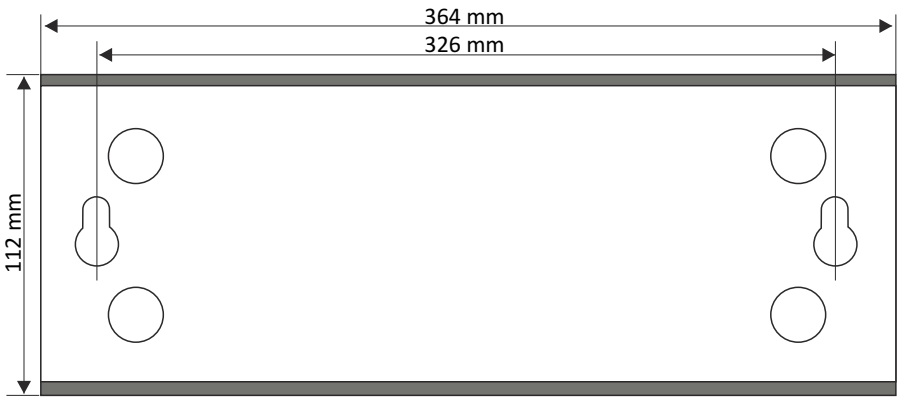
- large-size indicator
- 57 mm LED display
- RS-485 / Modbus RTU
- MASTER / SLAVE selected from the menu
- possibility of displaying mnemonic messages
- display brightness adjustable in 8 steps
- all parameters are freely programmable with remote controller or free configuration software S-Config

The **SWS-W606** 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. The indicator can be configured with IR remote controller, local keyboard or free S-Config software via the RS-485 communication port.

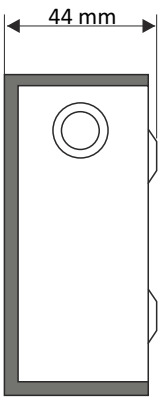
TECHNICAL DATA

Power supply **Power consumption**	24V DC (12V ÷ 30V DC), not separated max. 5 W
Display	LED, red, 6 x 57 mm, with 8-step adjustment of brighness
Displayed values	6 digits (-99999 ÷ 999999 plus decimal point) or any of character indication in range of 7-segments display
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: steel St3 + methyl polimethacrylate
Dimensions (WxHxD)	364 x 112 x 44 mm

DIMENSIONS

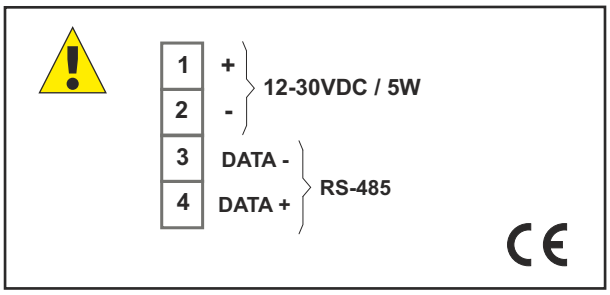


Case dimensions and distances between mounting holes - rear view



Side view

EXAMPLARY PIN ASSIGNMENTS



ORDERING

SWS-W606-0000-1-1-XX1

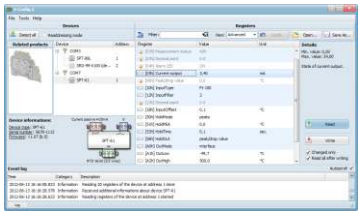
options:
00 : no options
08 : operating temp. -20°C ÷ +50°C

REMOTE CONTROLLER

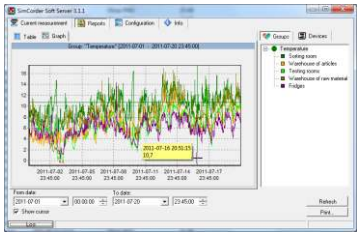
SIR-15
InfraRed remote controllers may be used as external programming keyboard for all SIMEX devices equipped with IR receivers and remote programming functions. Pressing of any local IR controller key, causes transmission of it's code to the device. Functions of particular keys depend on devices features.

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**



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.