simex

SWS-457

- ⊡ indicator in **wall-mounted case**
- ⊡ **power supply output: 24V DC**
- ⊡ **RS-485 / Modbus RTU**
- ⊡ **MASTER / SLAVE**
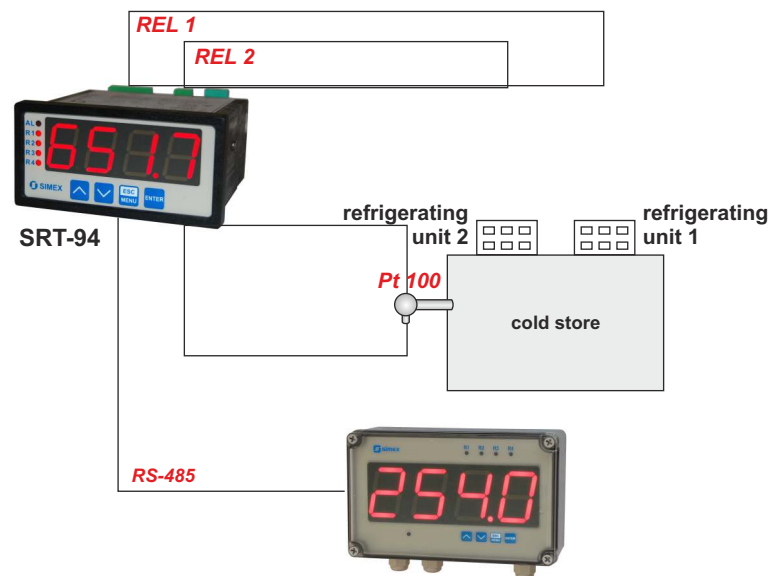- ⊡ **multicoloured LED display**

IP 67

IP 65

CE

The **SWS-457** indicator is intended to show any numerical values quoted by the RS-485 link. Users have the possibility of an 9-step adjustment of colour (among others red, yellow and green) as well a 8-step brightness adjustment for the display. The device features a 4-button keyboard for programming basic settings, which for greater security is located under the front cover. In order to make setting changes without unsealing the casing, remote control has been included by means of an infrared remote control unit (accessory). The keyboard on this remote control unit is the same as the device's keyboard (this applies to the type IP 67 casing).

- password protected,
- 9-step adjustment of colours for the display,
- display brightness adjustable in 8 steps,
- trasmission speed adjustable: 1200 ÷ 115200 bit/sek.
- available with AC and DC power supply versions,
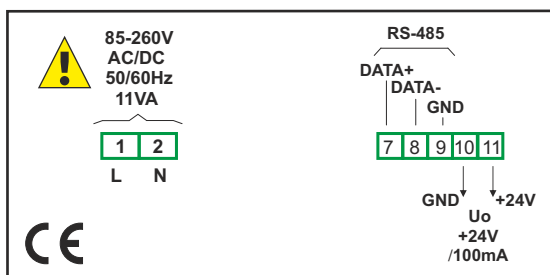- two types of case: IP 65 and IP 67.

Typical applications

1. Retransmition of a measuring signal.

REL 1
REL 2

SRT-94

refrigerating unit 2   refrigerating unit 1

Pt 100

cold store

RS-485

Examplary pin assignment

⚠ 85-260V AC/DC 50/60Hz 11VA

RS-485

DATA+
DATA-
GND

1	2
L	N

| 7 | 8 | 9 | 10 | 11 |

GND   +24V
Uo
+24V
/100mA

CE

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. 8 W
Display: LED, red, 4 x 57 mm, with 9-step adjustment of colours and 8-step adjustment of brighness
Displayed values range: 4 digits (-999 ÷ 9999 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 - SLAVE)
Transmission speed: adjustable in range from 1200 to 115200 bit/sek.
Transmission parameters: 8N1 and 8N2
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 **0P** or **0R**)
Protection class: IP 65 (standard); IP 67 (option)
Case: wall-mounted
Case material: ABS + glass fibre
Case dimensions: IP 65 type case: 215 x 185 x 118,2 mm
IP 67 type case: 230 x 140 x 96,5 mm

Ordering

SWS-457-0000-1-X-XX1

options:
01 : IP 65 (standard)
09 : IP 67
0P : IP 65 + operating temp. -20°C ÷ +50°C
0R : IP 67 + operating temp. -20°C ÷ +50°C

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

Accessories

IR remote controller **SIR-15**