







IR remote controller SIR-15

SPP-N118

- flow meter, batcher, totalizer in wall mounted <u>IP 67</u> case
- 1 input 0/4-20 mA + 1 programmable function input
- 0 or 2 REL / OC outputs
- analogue output: active or passive, power supply output: 24V DC
- RS-485 / Modbus RTU
- display of instantaneous and the total flow values
- batching and counting of doses
- free configuration software S-Config

The SPP-N118 flow counters are encased in a tight, wall-mounted housing (IP 67) and designed to work together with flow transducers equipped with analogue input. The purpose of flow counters is to measure the instantaneous flow value and to record the total flow of media like liquids, gases or loose materials. A wide range of total flow indication (up to 16 digits) allows controlling the flow value for a long operation time. Thanks to the built-in batcher function the SPP-N118 counters can be used in many industries like: food, pharmaceutical or paint and varnish industry. The REL / OC control outputs can be programmed depending on the instantaneous flow value, batcher or total flow value. Additionally the counter may be equipped with analogue outputs, according to the customer selection: active current output, passive isolated current output or active voltage output. The counter may be configured with no need to open the case, by using the remote controller or with free S-Config software via the RS-485 communication port.

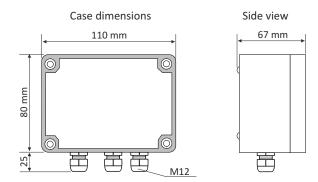
TECHNICAL DATA

Input levels low level: 0 V ÷ 1 V, high level: 10 V ÷ 30 V (about 12 mA @ 24V) Accuracy 0.1% @25°C ± one digit (for 0 ÷ 20 mA range) Stability 50 ppm/°C Counter capacity total flow: over 4 x 10³ m³ with max. resistance 0,001 I (max. 16 significant digits); batcher: up to 65536 m² Readout precision instantaneous flow values: selected in the 0 ÷ 0.000 of unit; total flow and batcher: selected in the 0 ÷ 0.000 of unit Units instantaneous flow values: 1 or m³ per second, minute or hour; total flow and batcher: 1 or m³ Outputs (option) O or 2 x REL I _{max} =1A, U _{max} =30VDC/250VAC (cosø=1) or OC I _{max} =30WAD, U _{max} =30VDC, P _{max} =100mW Analogue output (available with 1 x REL or OC, see ordering) active current: operating range 0/4-20 mA (max. 0-24 mA), load resistance 600 Ω@24VDC, resolution 13 bit passive current: isolated, operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: operating range 0/1-5V, 0/2-10V (max. 0-11V), load resistance 600 Ω@24VDC, resolution 13 bit active voltage: o		
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	Protection class	IP 67
Ma soble dispersor 2 : C F page	Case	wall mounting; material: ABS + polycarbonate (standard); 100% polycarbonate (on request)
MIZ, cable diameter 5 = 6,5 mm	Glands	M12, cable diameter 3 ÷ 6,5 mm
Dimensions (WxHxD) without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm	Dimensions (WxHxD)	without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm
Weight max. 350 g	Weight	max. 350 g

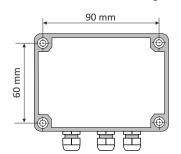
Microlectra bv.



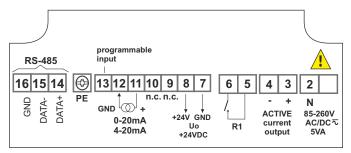
DIMENSIONS



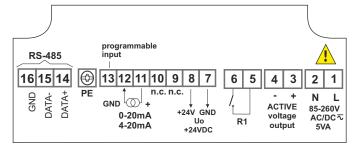
Distances between mounting holes



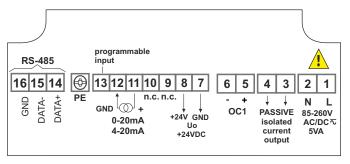
EXAMPLARY PIN ASSIGNMENTS



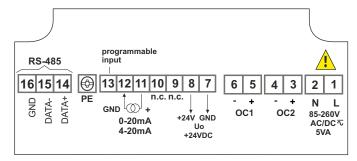
version with 1 x REL and 1 x AO 0/4-20 mA, active



version with 1 x REL and 1 x AO 0/1-5V, 0/2-10V, active

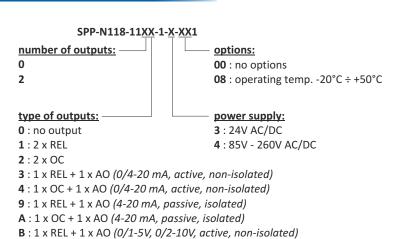


version with 1 x OC and 1 x AO 4-20 mA, passive



version with 2 x OC

ORDERING



C: 1 x OC + 1 x AO (0/1-5V, 0/2-10V, active, non-isolated)

KKATAEN_v1.17.061

Microlectra by.



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

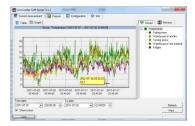
Operation range: from 0,5 to 5 m (depend on programmed device features)

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.



