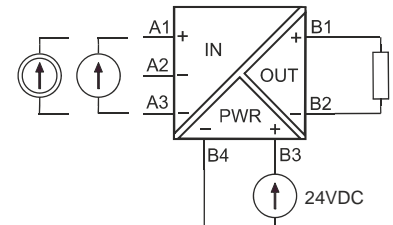
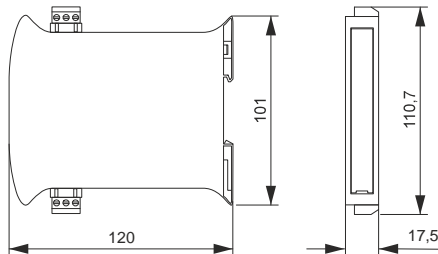


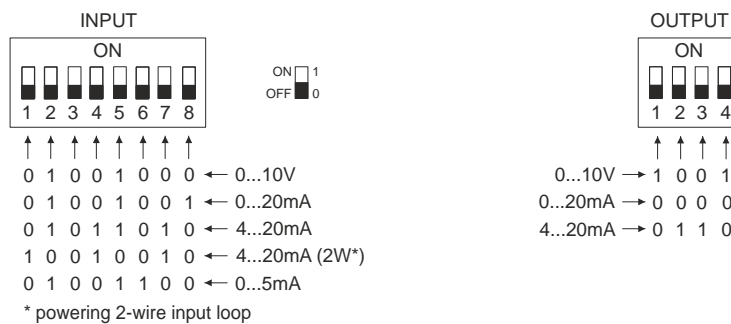
- Input and output signal type selected by DIP switches.
- Input 4...20 mA with current loop supply.
- Galvanic separation input/output/supply.
- Signal conversion between input and output.
- High reliability and accuracy.
- Detachable, fast and reliable wire connectors.
- Slim, rail and fast click mounted housing.
- Special versions on request.



The LXA-U1U universal analog isolator is dedicated for separation the analog input signal from the output line. A device assures full 3 ways galvanic separation between input, output and supply lines. DIP switches located on the front panel allow for easy and comfortable setting the input and output signal. User may to choose one of the current signal (0...5 mA, 0...20 mA, 4...20 mA) or voltage (0...10V). For 4...20 mA input it is possible to supply the input current loop. DIP switches are covered by transparent protection cover. There is possibility to deliver device for non-standard signals on demand.



Input and output are programmable via DIP switches located on the front panel.



It is recommended to set input and output signal type before installation.

Input

- input span (jumper selected) 0...5mA, 0...20mA, 4...20mA, 0...10V,
4...20mA with current loop supply
- input resistance
 - current input $\leq 100\Omega$
 - voltage input $\geq 500k\Omega$
- input current loop supply 18...22V DC / 20...0mA
- overload $\leq 200\%$ input span

Output

- output signal (jumper selected) 0...20mA, 4...20mA, 0...10V
- load resistance
 - current output $\leq 500\Omega$
 - voltage output $\geq 1k\Omega$
- load variation influence $\leq 0.05\%$

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- basic accuracy $\leq 0.2\%$
- response time (10..90%) $\leq 0.2s$
- galvanic separation (test) 1.5kV AC, 50Hz, 1min
- warm up time 15min

Power supply

- supply voltage
 - nominal 24V DC
 - supply voltage range 20...30V DC
- supply current $\leq 90mA$
- supply voltage variation influence $\leq 0.05\%$

Temperature

- operating temperature 0...70°C
- temperature influence $\leq 0.01\%/^{\circ}C$

Environment conditions

- storage temperature -20...85°C
- humidity (non-condensing) $\leq 90\%$
- working position vertical

Housing

- material molded PC/ABS
- protection housing/terminals IP20/IP20
- wire connections plugs with screw terminals 1.5 mm²
- dimensions see drawings on the first page
- weight ~ 110g