

- Input voltages up to 500V AC or input current up to 5A AC.
- Standard output 0...20mA, 4...20mA or 0...1 V.
- Galvanic separation input/output/supply.
- True RMS measurements
- High reliability and accuracy.
- Detachable, fast and reliable wire connectors.
- Slim, rail and fast click mounted housing.
- Special versions on request.

3 years warranty



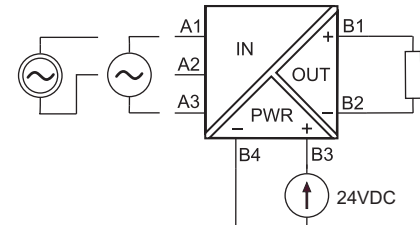
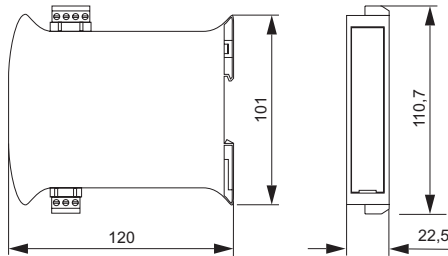
The LXL-X1X analog isolator is dedicated for separation an AC voltage or AC current input signals from the output line. If higher current span is needed current transformer can be used.

A device assures full 3 ways galvanic separation between input, output and supply lines.

User may to choose one of factory preset output current (0...20mA, 4...20 mA) or voltage (0...10V) as well as one of the input signal ranges.

A high precision is achieved by True RMS converter, which allows measurement of distorted signals (high k shape factor).

There is possibility to deliver device for non-standard signals on demand.



Order LXL-X1X using the following code:

LXL - -

Input type	Voltage	V	1	2	0	0	0	0	0
	Current	I							
Output signal	0...20mA	0	1	2	0	0...120V	AC voltage range	1	2
	4...20mA	2	2	5	0	0...250V		2	5
	0...5mA	3	4	0	0	0...400V		4	0
	0...10V	4	4	5	0	0...450V		4	5
	On request	S	5	0	0	0...500V		5	0
			0	0	1	0...1A	AC current range	0	0
			0	0	5	0...5A		0	0
			S	S	S	On request		S	S

Input

- AC input span (factory preset)
 - voltage input 0...120V, 0...250V, 0...400V, 0...450V, 0...500V
 - current input 0...1A, 0...5A
- input power consumption
 - voltage input $\leq 0.01\text{VA}$
 - current input $\leq 1.3\text{VA}$
- frequency range 35...200Hz
- overload $\leq 150\%$ input span ($\leq 120\%$ for 0...5 A)

Output

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

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- basic accuracy
 - small signals (0...15% of input span) $\leq 0.5\%$
 - signals with high k shape factor ($k = 3...5$) $\geq 1\%$
- response time (10...90%) $\leq 1\%$
- galvanic separation (test) $\leq 0.5\text{ s}$
- warm up time 3kV AC, 50Hz, 1min
15min

Power supply

- supply voltage
 - nominal 24 VDC
 - supply voltage range 20...30 VDC
- supply current $\leq 50\text{mA}$
- supply voltage variation influence $\leq 0.05\%$

Temperature

- operating temperature
 - voltage input 0...70°C
 - current input 0...50°C
- temperature influence $\leq 0.02\%/^{\circ}\text{C}$

Environment conditions

- storage temperature -20...85°C
- humidity (non-condensing) $\leq 90\%$
- working position
 - voltage input vertical
 - current input vertical with min. 30mm distance from other devices

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 ~ 100g