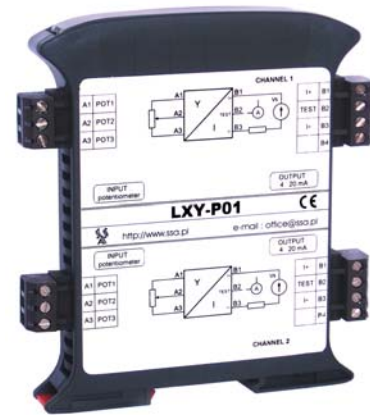
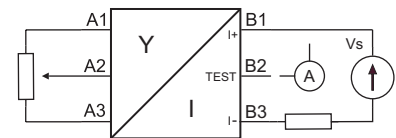
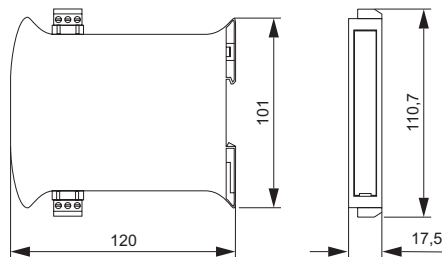


- Input potentiometer 100Ω...5kΩ
- Current output 4...20mA (current loop).
- No trimming for various potentiometers.
- High reliability and accuracy.
- Detachable, fast and reliable wire connectors.
- Slim, rail and fast click mounted housing.
- Single or dual independent channels.
- Special versions on request.

3 years  
warranty

The LXY-P01 position transducer converts slider position of the potentiometer for the current loop 4...20mA. Any potentiometer from 100Ω up to 5kΩ may be used without needs of trimming. A device works as a current loop regulator. The LXY-P01 is self powered from the current loop. Two independent channels allow for space saving in the control cabinet.



Order LXY-P01 using the following code:

Channel 1 ——— Channel 2  
LXY - P01 - P01

Notes :

1. Single channel version - specify only channel 1: *LXY -P01*.
2. Dual channel version specify: *LXY - P01 - P01*.

**Input**

- potentiometer 100Ω...5kΩ

**Output**

- output signal 4...20mA
- permissible load resistance (RI) see load diagram
- load variation influence ≤ 0.03%

**General data**

- basic accuracy ≤ 0.1%
  - potentiometer ≤ 500 Ω ≤ 0.2%
- response time (10...90%) ≤ 0.05s
- warm up time 10min

**Power supply**

- supply voltage (Vs) 11...30V DC
- supply voltage variation influence ≤ 0.03%
- permissible ripple ≤ 4V<sub>pp</sub>, 50Hz

**Temperature**

- operating temperature 0...70°C
- temperature influence ≤ 0.01%/°C

**Environment conditions**

- storage temperature -20...85°C
- humidity (non-condensing) ≤ 90%
- working position any

**Housing**

- material molded PC/ABS
- protection housing/terminals IP20/IP20
- wire connections headers with screw terminals 1.5mm<sup>2</sup>
- dimensions see drawings on the first page
- weight (single / dual channel) ~ 80g / 110g

**Diagrams**