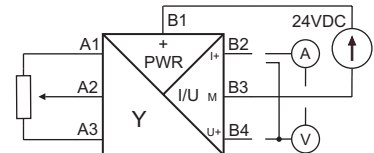
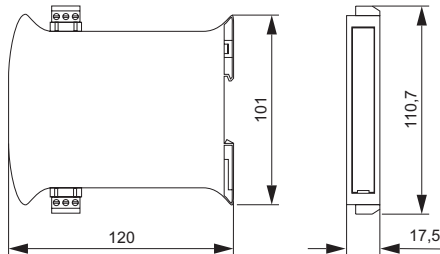


- Input potentiometer 100Ω...5kΩ
- Current output 0...20mA or voltage 0...10V.
- No trimming for various potentiometers.
- High reliability and accuracy.
- Detachable, fast and reliable wire connectors.
- Slim, rail and fast click mounted housing.
- Single or dual independent channels.
- Special versions on request.

3 years warranty



The LXY-P00 transducer converts slider position of the potentiometer for the current 0...20mA. Built-in, high precision resistor (500Ω) allows for easy conversion of the current 0...20 mA to the voltage 0...10V. Any potentiometer from 100Ω up to 5kΩ may be used without needs of trimming. Two independent channels allow for space saving in the control cabinet.



Order LXY-P00 using the following code:

Channel 1 ——— Channel 2  
 LXY - P00 - P00

Notes :

1. Single channel version - specify only channel 1: *LXY -P00*.
2. Dual channel version specify: *LXY - P00 - P00*.

**Input**

- potentiometer 100Ω...5kΩ

**Output**

- output signal
  - current 0...20mA
  - voltage (built-in resistor 500 Ω, 0.1%) 0...10V
- permissible load resistance
  - current output  $\leq 500\Omega$
  - voltage output  $\geq 1M\Omega$
- load variation influence
  - current output  $\leq 0.15\%$
  - voltage output  $\leq 0.05\%$
- sensor break indication

**General data**

- basic accuracy
  - potentiometer  $\leq 500\ \Omega$   $\leq 0.1\%$
  - potentiometer  $\leq 500\ \Omega$   $\leq 0.2\%$
- response time (10...90%)  $\leq 0.05s$
- warm up time 10min

**Power supply**

- supply voltage
  - nominal 24V DC
  - supply voltage range 20...30V DC
- supply current  $\leq 30mA$
- supply voltage variation influence  $\leq 0.15\%$

**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 any

**Housing**

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