CZ170 DUPLICATOR / ISOLATOR 1 INPUT/2 OUTPUT

Module for the conversion of measurement signals with galvanic separation, with two outputs galvanically isolated from input which between them. Isolation voltage between input and output and between output and output of 1500 Vac, through the use of two linear optocouplers for the separation between the signals. It is widely used for the conversion of measurement signals when it needs to send the same signal, eventually with different standards, two different instruments, maintaining galvanically separated circuits to avoid mutual interference or noise, or when the load on the current loop is higher than maximum controllable.

DESCRIPTIONS

- Programmable input via DIP-switches for current signals 0 to 20mA or 4 to 20mA (active or passive connection) or voltage 0 to 5V, 1 to 5V, 0 to 10V or 2 to 10V.

- Two isolated outputs independently programmable via DIP-switches for current signals 0 to 20 mA or 4 to 20 mA (active or passive connection) or voltage 0 to 5V, 1 to 5V, 0 to 10V or 2 to 10V.

- Front panel indicator supply.

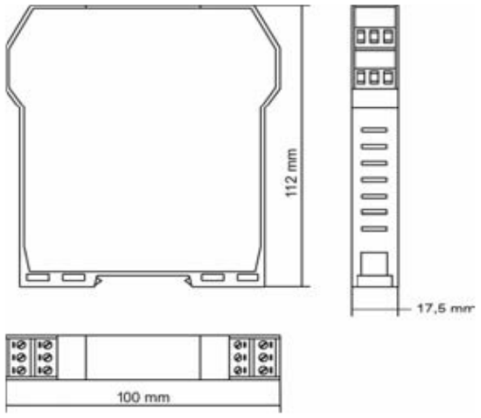
- Insulation 4 points: (power / input / output 1 / output 2): 1500VAC.

TECHNICAL SPECIFICATIONS

Power supply:	19…40 Vdc /19…28 Vac / 50-60 Hz
Input:	- Current (input impedance 100 W): 0 to 20mA or 4 to 20mA passive or active connection (power loop around 20VDC unregulated)
	- Voltage (input impedance 1MW): 0÷5V, 1÷5V, 0÷10V or 2÷10V.
Output:	Two independent and isolated outputs, each programmable signal:
	- Current: 0÷20mA or 4÷20mA passive or active connection (loop impedance <600W)
	- Voltage: 0÷5V, 1÷5V, 0÷10V or 2÷10V (load impedance >2kW)
Environmental condition:	Temperature: 0÷50°C; humidity: 30÷90% @ 40°C, condensation free
Errors referred to the measuring range of input:	calibration error: 0.2%
	Temperature coefficient: 0.02% /°C
	Linearity error: 0.05%
	EMI A performance error: 0.3%
Protection signal inputs / power:	Against impulse overvoltage 400W / ms. Powers of the loop short-circuit proof.

The instrument conforms to the following standards:

- EN50081-2 (Electromagnetic emission, industrial environment)
- EN61000-6-2 (Electromagnetic immunity, industrial environment)
- EN61326/A1 (Electrical equipment for measurement, control and laboratory use)
- EN61010-1 (Electrical Safety)



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