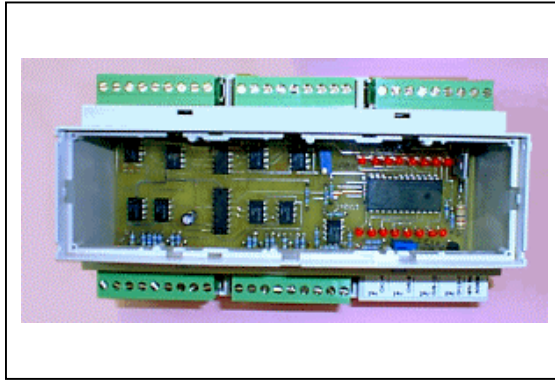


Multiplexer MUX-CDC



◆ Description ◆

MUX-CDC enables to connect 8/16 analog inputs (4-20mA or 0-10V) to one PLC analog input.

◆ Command ◆

The input is selected by 4 hexadecimal address lines. Binary signal: 0 v - [0]; + 24 v - [1].

Address signal				Selected input
A	B	C	D	
0	0	0	0	1
1	0	0	0	2
...	
1	1	1	0	8
...	
1	1	1	1	16

◆ Specifications ◆

Power supply: 24 ±20%V DC

Input: 8/16 analog inputs 4-20mA (active Rin=10Ω or passive) are protected against over current

Option: 0-10 V

Output: Active 4-20mA, R_{load max} = 500 Ω

Command: input selection by 4 (ABCD) hexadecimal address lines [3 (ABC) for 8 inputs]

Option: inverse logic

Ambient Temp.: 0 ÷ +50 °C **Protect. category:** IP-40

Display : 8/16 LEDs indicate selected input

Enclosure : w90 X L160 X H73 mm plastic case

Connection: plug-in terminals on two box sides

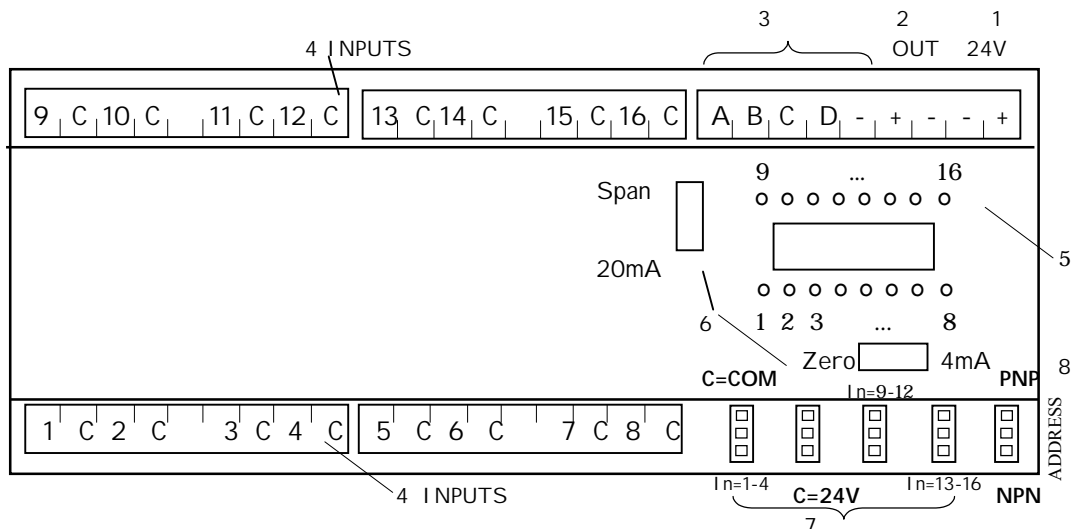
Mounting: 35mm DI N-rail

◆ Calibration ◆

The unit is calibrated according to customer requirements. Output signal can be adjusted by 2 potentiometers "4mA" and "20mA" located on the circuit board under the front panel:

- When an input was selected and fixed by appropriate address lines, adjust "4mA" at minimal input signal and "20mA" at maximal input.
- Repeat it for each input.

◆ The front panel description ◆



[1] Power 24 ±20%V DC.

[2] Output 4-20mA.

[3] Command terminals A B C D.

[4] Input terminals.

[5] 16 LEDs indicate selected input.

[6] Pot' "4mA" and "20mA" for output adjusting.

[7] Jumpers are used for changing the kind of inputs: "C=Com" for active inputs, "C=24V" for passive (two wires transmitter).

[8] Jumper ADDRESS enables to change the logic (PNP ↔ NPN) according to the polarity of command lines signal.

Mux_CDC -P-2-06-E

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