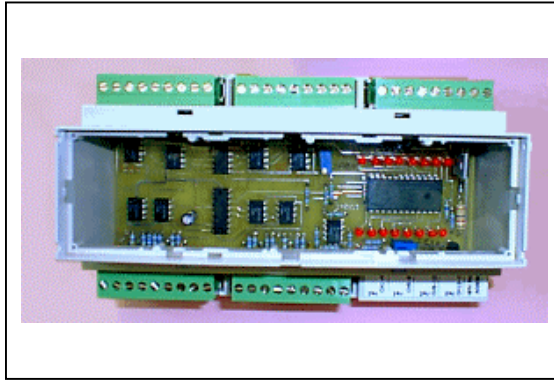


# Multiplexer MUX-CDC



## ◆ 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<sub>load max</sub> = 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

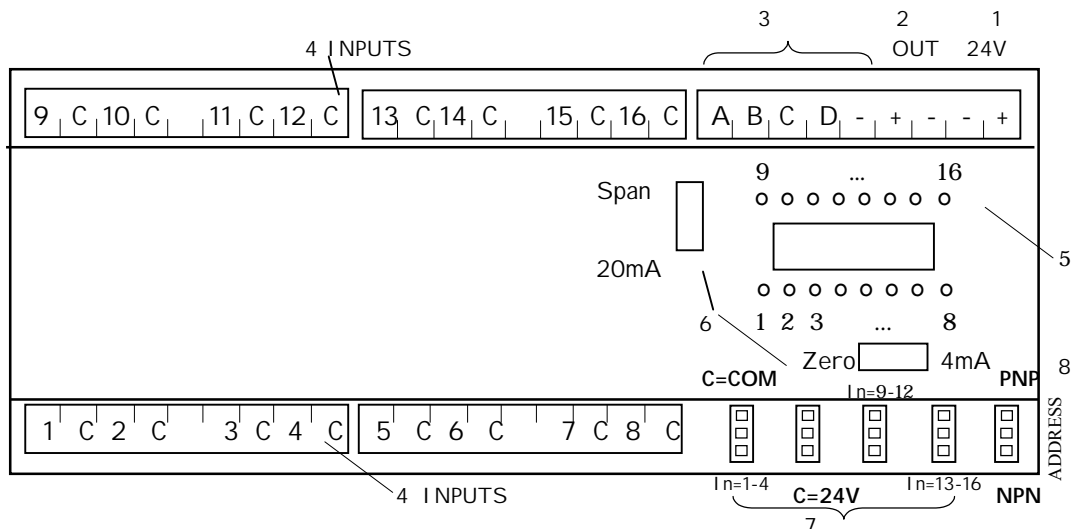
**Mounting:** 35mm DI N-rail

## ◆ 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

**megatron** electronics & controls ltd

Manufactures & Representatives for Control Equipment



**מגטרון** אלקטרוניקה ובקרה בע"מ

יצרנים ומפיצים של ציוד מכשור בקרה והתרה

Web site: <http://www.megatron.co.il> 31016 חיפה, 1719 ת.ד., רח' מרקוני 12, 8410705-04, 8410704-04 פקס