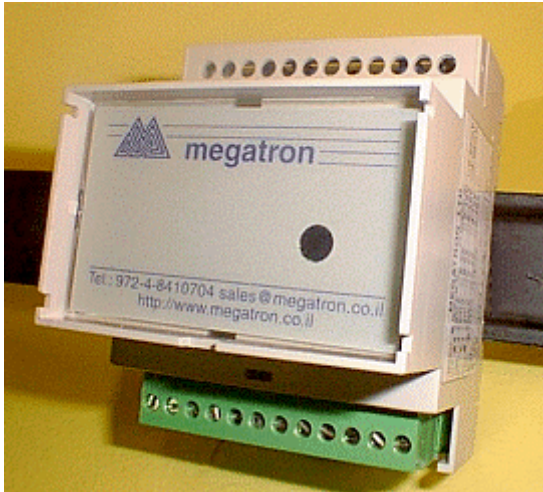


# MI SCN-D, MI SCN-DI - Dual converters



## ◆ Specification ◆

**Accuracy:**  $\pm 0.1\%$  F.S.

**Power supply:**  $24 \pm 10\%$  VDC

**Inputs:**  $\left\{ \begin{array}{l} 4 \div 20\text{mA} (R_{in} = 15 \Omega) \text{ or} \\ \text{(one or two)} \quad 0 \div 10\text{V} (R_{in} > 10 \text{M}\Omega) \end{array} \right.$

**Outputs:**  $\left\{ \begin{array}{l} 2 \times 4 \div 20\text{mA} \\ \text{(according to order)} \quad (R_{LOAD \text{ MAX}} < 560 \Omega \text{ for} \\ \quad \quad \quad \text{each output)} \\ \text{or } 2 \times 0 \div 10 \text{V} \\ \text{or } 4 \div 20\text{mA} \text{ and } 0 \div 10 \text{V} \end{array} \right.$

**Warning:** Output  $4 \div 20\text{mA}$  is active.  
Don't connect 24 VDC in series.

**Galvanic isolation:** up to 500 VDC

**Internal fuse:** 0.25 A (power exceeding )

**Display:** LED indicates power ON

**Ambient Temp.:**  $-20 \div +65^\circ\text{C}$

**Enclosure:** plastic case NORIL

**Size:** W 70 x H 73 x L 90mm .

**Connection:** plug-in terminal (12 pins)

**Mounting:** DIN-rail **Protection:** IP-40

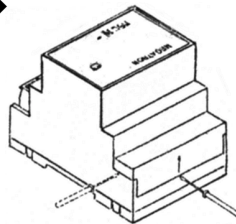
## ◆ Description ◆

Signal Converter **MI SCN-D** converts signals from **one input** (I/V DC) to **two standard output** signals  $4 \div 20\text{mA}$  or  $0 \div 10\text{V}$ . There are galvanic isolations between input, output and power supply.

**MI SCN-DI** has **two isolated converters** in **one case**. Those converters have common "minus" input.

## ◆ Calibration ◆

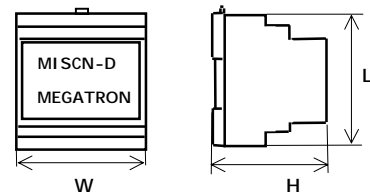
The device is calibrated according to customer requirements. Each output signal can be adjusted by ZERO and SPAN potentiometers installed on the circuit board under the plastic cover



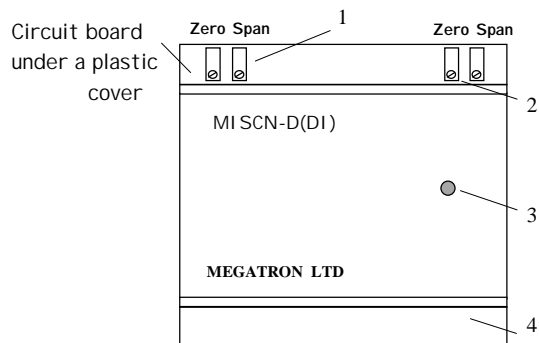
(see cover removal drawing for adjusting).

- Adjust output signal by ZERO to obtain value **4mA** when input signal is minimum. Adjust output by SPAN to obtain value **20mA** when input signal is maximum.
- Repeat calibration.

## ◆ Dimensions ◆

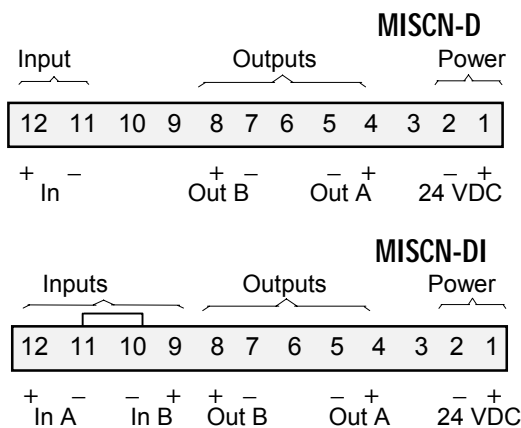


## ◆ Front panel description ◆



- [1] Pot' Zero and Span for Out A adjusting.
- [2] Pot' Zero and Span for Out B adjusting.
- [3] LED indicates power On
- [4] 12 pins terminal

## ◆ Connections ◆



MISCN DI-S-1-05-E

**megatron** electronics & controls ltd

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