

# MATP - Converter for pulses

## ◆ Specifications ◆

**Accuracy:**  $\pm 0.25\%$  F.S.

**Power supply:** 110 / 220 VAC, 12 / 24 VDC

**Inputs:** Table 1

Model	Input signal	Input resistance
MATP-CDC	4-20mA	$R_{in} < 20\Omega$
MATP-VDC	0-60mV	$R_{in} > 1M\Omega$
	0-10VDC	

**Outputs:** Table 2

Code	Output
-R	C/O contact 220V/5A
-OC	Transistor O.C.
-I OC	I solated by optocoupler
P	Pulses 24V

**Display:** Two LED-s: **green** blinks when power and input signal exist, **red** indicates pulse at output.

**Operating Temp.:**  $0 \div +50^\circ\text{C}$ .

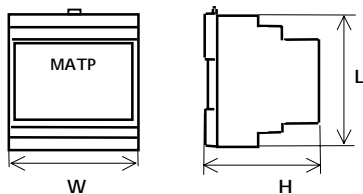
**Enclosure:** W70 X L90 X H73 mm plastic case.

**Mounting:** 35mm DIN-rail.

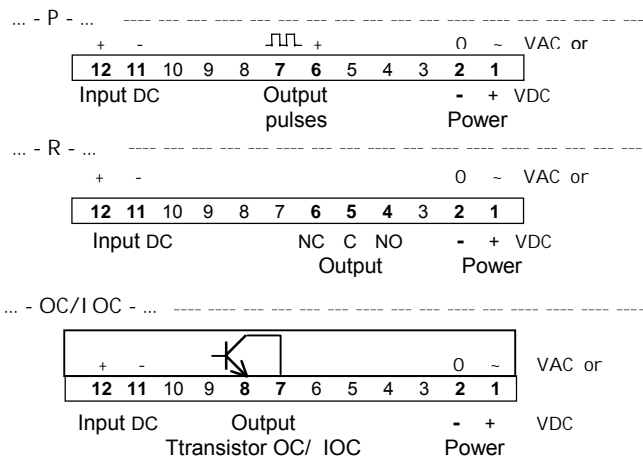
**Connection:** Plug-in terminal (12 pins).

**Protection category:** IP-40.

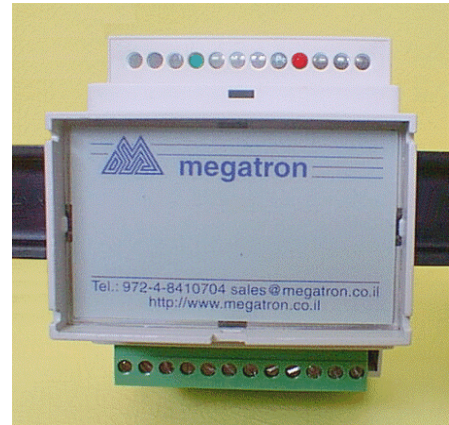
## ◆ Dimension ◆



## ◆ Connection ◆



MATP -P-1-06-E



## ◆ Description ◆

MATP converts analog input signal (current or voltage) to pulses output.

**Output frequency** is adjusted according to customer requirements ( for example:

60 pulses/hour - output frequency is 0.0166Hz).

**Pulses width:**

Frequency	Width
< 0.5Hz	1 sec
> 0.5Hz or for special order	Duty Cycle 50%

## Applications

- A/h accumulation. In this case the unit connects to a shant which converts the current to voltage (for example: 100A to 60mV).
- Water consumption ( m<sup>3</sup>/h ) accumulation. In this case the unit receives 4-20mA from a flowmeter and produces pulse for every m<sup>3</sup> (or another value).
- Analog signal to pulses (0.01Hz ... KHz) conversion.
- Pulses for dosage pump 0-180ppm.

## ◆ Calibration ◆

The unit is calibrated according to customer requirements.

## ◆ Order ◆

