

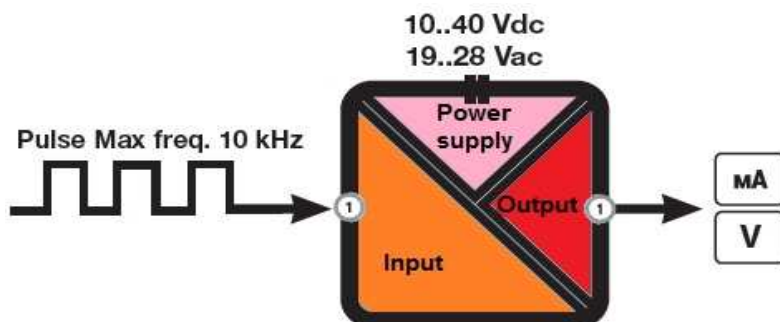
## CZ111 - FREQUENCY TO DC ISOLATOR CONVERTER

CZ111 is an module for converting a pulse signal in frequency into an analog signal in current or voltage directly proportional to the frequency of the input signal.

Electrical 3 points between input, output and power supply with isolation voltage of 1500 V AC. Full scale measurement of frequency programmable via DIP switches and rotary switches from 1.00 Hz to 9.99 kHz. Initial scale 0 Hz cut output for frequencies below 0.1 Hz. It has an optically isolated input for receiving the pulse signal from all common sensors programmable output with DIP-switches for voltage and current signal. The front panel has two LEDs, one for reporting instrument powered and the other for signal frequency out of range or incorrect setting.



## FUNCTIONAL SCHEME



## TECHNICAL SPECIFICATIONS

Power supply:	19...40 Vdc, 19...28Vac 50-60Hz;
Power consumption:	2,5 W
Isolation:	1500 V ac (3 way)
Status indicators:	Power supply, error, data transmission, data reception, input status
Accuracy:	0.3%
Protection degree:	IP 20
Setting:	Dip-switches
Operating Temperature:	funzionamento 0...+50°C
Humidity:	30...90% @ 40°C (not condensing)
Dimensions (WxHxD):	17,5 x 100 x 112 mm
Weight:	about 150 g
Enclosure:	Nylon 6, 30% fiber glass - flammability class V0
Mounting:	35 mm DIN rail guide
Pulse Input:	Contact / reed; npn 2/3 wires; pnp 3 wires with 24 Vdc power; namur; photoelectric; hall effect sensor, variable reluctance, 24V; TTL
Output:	4 scales: 0..1, 0..5, 0..10, 2..10 V - Min load resistance: 2.000 Ω 2 scales: 0/4..20 mA (active/passive) - Max load resistance: 600 Ω
CE Norms:	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN50140/141; EN 61010-1



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