

PICA-F

DESCRIPTION

Panel instrument for measuring frequencies, velocities in r.p.m. or lineal, totally programmable by keyboard.
 Display range from 0 ÷ 9999, decimal point position programmable. Accepts the connection of most Standard sensor: Pick-up Magnetic, Namur, PNP, NPN, switch, as well as the possibility of measuring frequencies from signals in the range of 10 to 600 V ac, E.g. the frequency of main voltage supply. Frequency ranges: 99,99 Hz, 999,9 Hz and 9999 Hz. Tachometer in mode TAC programming only the pulses per revolution or in mode Rate programming the relationship between Frequency / display (in desired engineering units)

PICA-F



TECHNICAL CHARACTERISTICS

INPUT

Max. Frequency 7 kHz
 Min. Frequency 0.01 Hz
 Excitation.... 5, 8, 12 V dc @ 60 mA (keyboard programmable)
High Voltage Input 10 to 600 V ac
Pick-up magnetic Vin > 30 mV eff. (60 Hz)
 Vin > 300 mV eff. (6kHz)

NAMUR Sensor

- Rc 1.5 kΩ
- I on < 1 mA
- I off > 3 mA

NPN y PNP Sensors

- Rc (NPN) 3k9 Ω, (PNP) 1k5 Ω
- Logical levels....."0" < 2.4 V, "1" > 2.6 V dc

TTL/24 V dc (encoder)

- Logical Levels....."0" < 2.4 V, "1" > 2.6 V dc

Switch

- Vc 5 V, Rc 3.9 kΩ, Fc 20 Hz

ACCURACY

Max. Error ±(0.01 % of reading + 1 digit)
 Temperature coefficient..... 50 ppm/ °C
 Warm up 5 minutes

SUPPLY

PICA-F..... 85 – 265 Vac 50/60 Hz y 100-300 Vdc
PICA-F6 21-53 Vac 50/60Hz y 10,5-70Vdc
 Consumption 2,2W

FUSES (DIN 41661) (not included)

PICA-F F 0.1A/ 250V
PICA-F6..... F 0.5A/ 250V

DISPLAY

Range 0 to 9999
 Type 4 red digits 10 mm
 Rate..... 10/s
 Overflow indication **0.0 E**

ENVIRONMENTAL

Operating temperature.....-10°C ÷ +60°C
 Storage temperature.....-25°C ÷ +85°C
 Relative humidity (non condensed) <95% ÷ 40°C
 Maximum altitude 2000 m.
 Panel sealing IP65

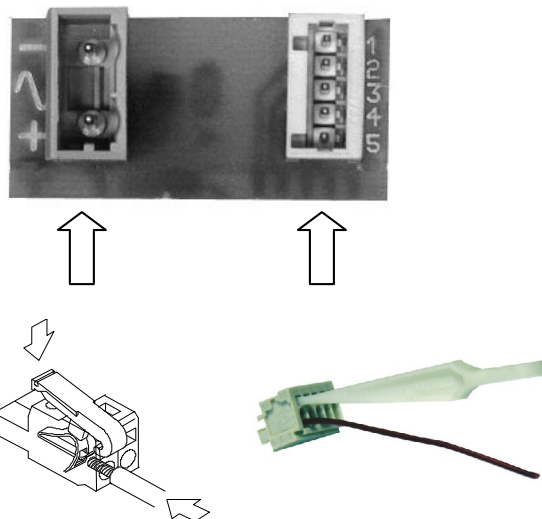
PROGRAMMING

- Input type selection
- Working mode selection



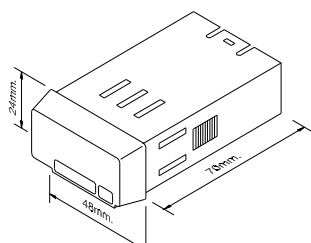
KEYBOARD DETAILS (BOTTOM VIEW)

CONNECTIONS



DIMENSIONS AND MOUNTING

Dimensions..... 48 x 24 x 70 mm.
 Panel cutout 22 x 45 mm.
 Weight 50 g.
 Case material..... Poly carbonate s/ UL 94 V-0



CN1	POWER SUPPLY	
	AC VERSION	DC VERSION
PIN		
1	AC HI	+V DC
2	AC LO	-V DC
CN2	INPUT / EXCITATION	
1	Input 10-600 V ac	
2	Free	
3	+ Exc.	
4	Signal Input	
5	- Common	