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/ ºC
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 ..... OuE

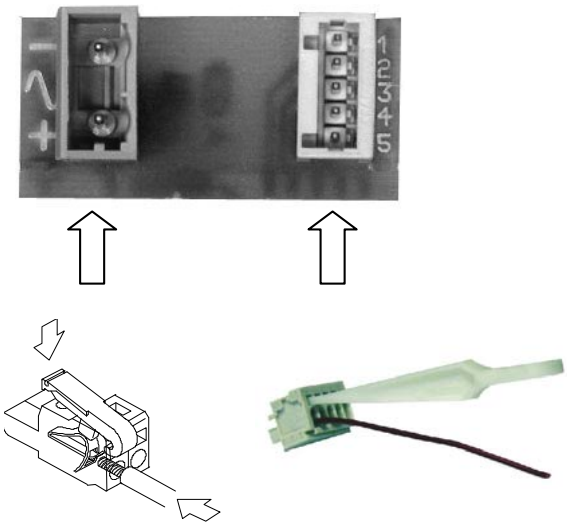
ENVIRONMENTAL
Operating temperature ..... -10ºC ÷ +60ºC
Storage temperature ..... -25ºC ÷ +85ºC
Relative humidity (non condensed) ..... <95% ÷ 40ºC
Maximum altitude ..... 2000 m.
Panel sealing IP65

PROGRAMMING

- Input type selection
- Working mode selection

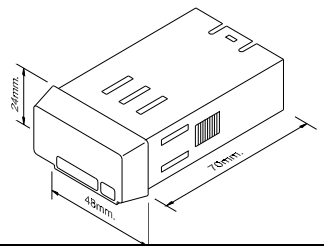
KEYBOARD DETAILS (BOTTOM VIEW)

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	
PIN	AC VERSION	DC VERSION
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

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