

FEATURE

- Measuring Frequency
- Low output ripple
- High impulse & Surge protection
- High stability & low cost



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SPECIFICATION

INPUT: Frequency

Input Range		Input Burden
Frequency	Voltage	
45 - 55 Hz	110V $\pm$ 20%	$\leq$ 0.15VA
55 - 65 Hz	220V $\pm$ 20%	
45 - 65 Hz	380V $\pm$ 20%	
	416V $\pm$ 20%	

OUTPUT:

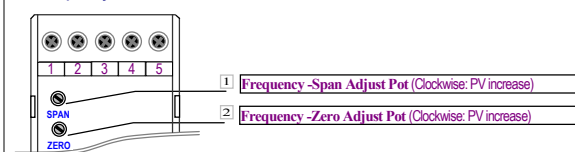
Output Range	Load Resistance	Output Resistance	Output Ripple
0 ~ 1 V	≧ 50 ohm	≧ 0.001 ohm	≧ 0.2% R.O.
0 ~ 5 V	≧ 250 ohm		
0 ~ 10 V	≧ 500 ohm		
1 ~ 5 V	≧ 250 ohm		
2 ~ 10 V	≧ 500 ohm		
0 ~ 1 mA	0 ~ 15K ohm	≧ 20M ohm	
0 ~ 5 mA	0 ~ 3000 ohm	≧ 6M ohm	
0 ~ 10 mA	0 ~ 1500 ohm		
0 ~ 20 mA	0 ~ 750 ohm		
4 ~ 20 mA	0 ~ 750 ohm		

- Accuracy: $\leq \pm 0.1\%$ R.O.
- Max. input over capability: Voltage: 1.5 x rated continuous
2 x rated for 10 seconds
4 x rated for 2 seconds
- Response time: $\leq$ 250 msec.
- Span adjustment: $\leq \pm 5\%$ of R.O. (or $\pm 20\%$ of R.O. specify)
- Zero adjustment: $\leq \pm 2\%$ of R.O. (or $\pm 20\%$ of R.O. specify)
- Output load effect: Current output $\leq$ 0.1% R.O.
Voltage output $\leq$ 0.05% R.O.
- Power supply: AC 115/230V $\pm 15\%$, 50/60 Hz
Option: AC 380 or 416V $\pm 15\%$, 50/60 Hz
Option: DC 24V, 48V, 110V, 220V $\pm 10\%$
Self Powered: Interior connection from input Volt
Working Volt: $\pm 15\%$ rated of input voltage
- Power effect: $\leq$ 0.05% R.O.
- Power consumption: $\leq$ 2.5VA
- Mutual interference effect: $\leq$ 0.1% R.O.
- Magnetic field strength: 400ATM $\leq$ 0.2% R.O.
- Operating temperature: 0~60 °C
- Operating relative humidity: 20~95 %RH, non-condensing
- Temperature coefficient: $\leq$ 100 PPM/°C
- Storage temperature: -10~70 °C
- Dielectric Strength: IEC 414, IEC 688:1992, ANSI C37.90a
Between Input / Output / Power / Case
AC 4KV, 50/60Hz, 1 min.
- Surge test: IEC 255-4, ANSI C37.90a
6KV, 1.2 x 50 μ sec.
Common mode & differential mode
- Safety: IEC 414 , BS 5458
- Enclosure: IEC 529 (IP50)
- Isolation: Input / Output / Power / Case
- Insulation resistance: $\geq$ 100M ohm, DC 500V

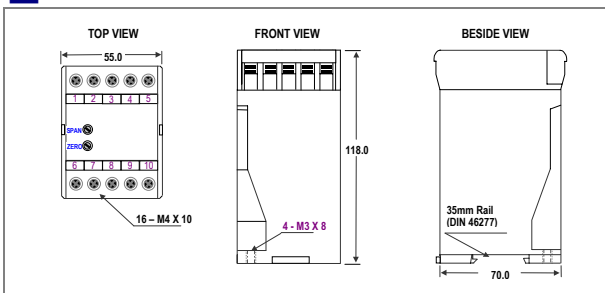
- Performance: Designed it comply with IEC 688
- Mounting: Wall or DIN rail (EN 50022)
- Weight: Under 450g

ADJUSTMENT

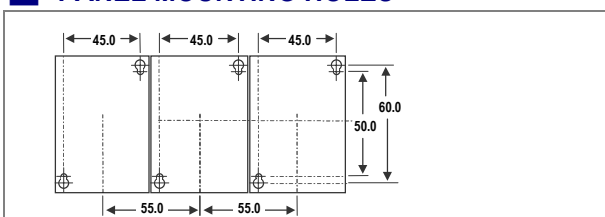
Frequency



DIMENSIONS

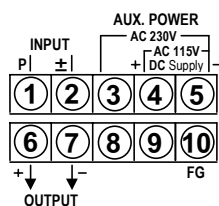


PANEL MOUNTING HOLES

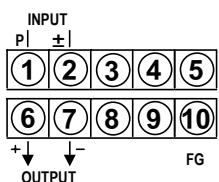


CONNECTION DIAGRAM

1Φ2W (Aux. Powered)



1Φ2W (Self Powered)



Self-powered type:
Auxiliary powered was
inter connection from V_{p-p} .

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PERUVIAN TRUST SYSTEMS INC.

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ORDER INFORMATION

CF - Input Input Level Output Aux. Power

COD	INPUT FREQUENCY
4	45 ~ 55 Hz
5	55 ~ 65 Hz
6	45 ~ 65 Hz
O	Specify

COD	INPUT LEVEL
1	110 V
2	220 V
3	380 V
4	416 V
O	Specify

COD	OUTPUT RANGE
A1	0 ~ 1 mA
A2	0 ~ 5 mA
A3	0 ~ 10 mA
A4	0 ~ 20 mA
A5	4 ~ 20 mA
AO	Specify (mA o/p)

COD	OUTPUT RANGE
V1	0 ~ 1 V
V2	0 ~ 5 V
V3	0 ~ 10 V
V4	1 ~ 5 V
VO	Specify (V o/p)

COD	AUX. POWER
A1	AC 115/230 V
A2	AC 380 V
A3	AC 416 V
D2	DC 24 V
D4	DC 48 V
D1	DC 110 V
D3	DC 220 V
AS	Self Powered
O	Specify