

## FEATURE

- Measuring Frequency
- Output range programmable by dip-switch
- Low output ripple
- High impulse & Surge protection
- High stability & low cost
- CE



## SPECIFICATION

### INPUT: Frequency

Input Range		Input Burden
Frequency	Voltage	
45 - 55 Hz 55 - 65 Hz 45 - 65 Hz	110V ±20%	≦ 0.15VA
	220V ±20%	
	380V ±20%	
	416V ±20%	

### OUTPUT: Programming by Dip Switch inside

Output Range	Load Resistance	Output Resistance	Output Ripple
0 ~ 1 V	≧500Ω	≦0.001Ω	≦0.2% of F.S.
0 ~ 5 V	≧500Ω		
0 ~ 10 V	≧1000Ω		
1 ~ 5 V	≧500Ω		
2 ~ 10 V	≧1000Ω		
0 ~ 1 mA	0 ~ 12KΩ	≧20MΩ	
0 ~ 10 mA	0 ~ 1200Ω	≧6MΩ	
0 ~ 20 mA	0 ~ 600Ω		
4 ~ 20 mA	0 ~ 600Ω		

<b>Accuracy:</b>	≦±0.1% of F.S.
<b>Max. input over capability:</b>	Voltage: 1.5 x rated continuous 2 x rated for 10 seconds 4 x rated for 2 seconds
<b>Response time:</b>	≦250 mS
<b>Span adjustment:</b>	≦±5% of F.S. (or ±20% of F.S. specify)
<b>Zero adjustment:</b>	≦±2% of F.S. (or ±20% of F.S. specify)
<b>Output load effect:</b>	Current output ≦0.1% of F.S. Voltage output ≦0.05% of F.S.
<b>Power supply:</b>	ADH:AC 85~264V;DC 100~300V ADL:AC/DC 20~56V Self Powered: Interior connection from input Volt Working Volt: ±15% rated of input voltage

<b>Power effect:</b>	≦0.05% of F.S.
<b>Power consumption:</b>	≦10VA
<b>Mutual interference effect:</b>	≦0.1% of F.S.
<b>Magnetic field strength:</b>	400ATM ≦0.2% of F.S.
<b>Operating temperature:</b>	0~60 °C
<b>Operating relative humidity:</b>	20~95 %RH, non-condensing
<b>Temperature coefficient:</b>	≦100 PPM/°C
<b>Storage temperature:</b>	-10~70 °C
<b>Dielectric Strength:</b>	IEC 414, IEC 688:1992, ANSI C37.90a Between Input / Output / Power / Case

<b>Surge test:</b>	IEC 255-4, ANSI C37.90a 6KV, 1.2 x 50 μsec. Common mode & differential mode
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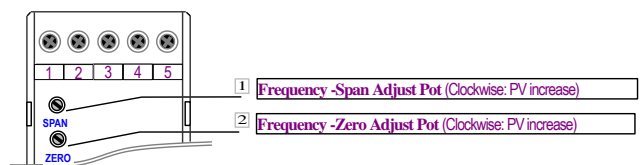
<b>Insulation resistance:</b>	≧100MΩ, DC 500V
<b>Safety:</b>	IEC 414, BS 5458
<b>Enclosure:</b>	IEC 529 (IP50)
<b>Certification Standard</b>	

<b>CE:</b>	EMC:EN61326:2003
<b>Safety(LVD):</b>	EN61010:2001

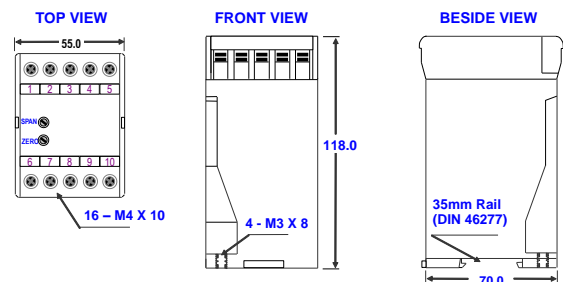
<b>Case material:</b>	ABS Non-flammable (UL 94V-0)
<b>Mounting:</b>	Wall or DIN rail (EN 50022)
<b>Weight:</b>	under 450g

## ADJUSTMENT

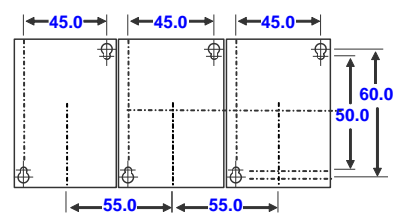
### Frequency



## DIMENSIONS



## PANEL MOUNTING HOLES



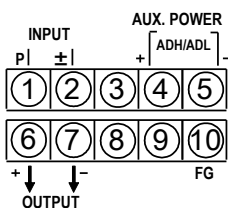
unit:mm

**■ OUTPUT RANGE PROGRAMMING**

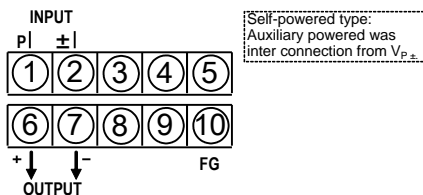
OUTPUT	Dip Switch							
	1	2	3	4	5	6	7	8
0 ~ 1 mA					on			
0 ~ 10 mA					on	on		
0 ~ 20 mA					on		on	
4 ~ 20 mA	on				on		on	
0 ~ 1 V		on	on	on				on
0 ~ 5 V			on	on				on
0 ~ 10 V				on				on
1 ~ 5 V	on		on	on				on
2 ~ 10 V	on			on				on

**■ CONNECTION DIAGRAM**

● 1Φ2W (Aux. Powered)



● 1Φ2W (Self Powered)



**■ ORDERING INFORMATION**

