

FEATURE

- FOR AC **CURRENT 0~1/~5/~10A,**
VOLTS 0~150/~300/~500V
- 1Phase(1 I/O), 3Phases(3 I/O)
- Precision measurement even for distorted waveform
- Self powered or Loop powered models available
- Output signal programmable by dip-switch
- Low output ripple
- High impulse & Surge protection
- High stability & low cost


SPECIFICATION
INPUT:

	AC Input	Input Burden	Input Frequency
Current	Aux. Powered & Loop Powered	0 ~ 1 A	50 Hz ± 3 Hz
		0 ~ 5 A	60 Hz ± 3 Hz
	0 ~ 10 A	≧ 0.10VA	
Voltage	Self Powered	20%~120% of input range	50 Hz ± 1 Hz
		60 Hz ± 1 Hz	
		≧ 1.50VA	
Voltage	Aux. Powered & Loop Powered	0 ~ 150 V	50 Hz ± 3 Hz
		0 ~ 300 V	60 Hz ± 3 Hz
		0 ~ 500 V	
	Self Powered	20%~120% of input range	50 Hz ± 1 Hz
		≧ 4.00VA	60 Hz ± 1 Hz

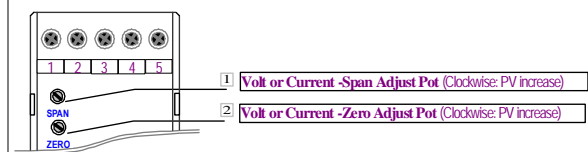
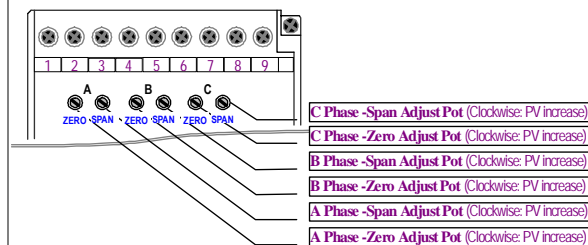
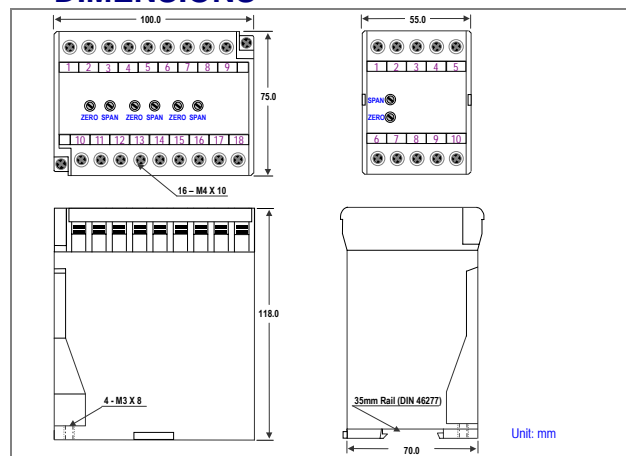
OUTPUT:

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		
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		
Loop Powered	Vs / (20 mA) - 900 ohm		

Self-powered units can not be used for 4~20mA, 1~5V and 2~10V output.

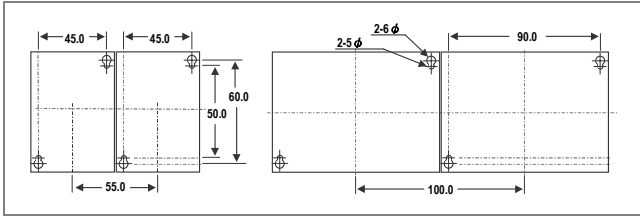
- __ Accuracy : ≧ ±0.2% of F.S.
- __ Waveform effect (trms type): ≧ 0.2% of F.S. at 30% distortion
- __ Max. input over capability: Voltage: 1.5 x rated continuous
2 x rated for 10 seconds
4 x rated for 2 seconds
Current: 3 x rated continuous
10 x rated for 10 seconds
50 x rated for 1 second
- __ Response time: ≧ 250 msec.
- __ Span adjustment: ≧ ±5% of F.S. (or ±20% of F.S. specify)
- __ Zero adjustment: ≧ ±2% of F.S. (or ±20% of F.S. specify)
- __ Output load effect: Current output ≧ 0.1% of F.S.
Voltage output ≧ 0.05% of F.S.
- __ Power supply: AC 115/230V ±15%, 50/60 Hz
AC 380 or 415V ±15%, 50/60 Hz
Option: DC 24V, 48V, 110V, 220V ±10%
Loop powered DC 18 ~ 32V
Self Powered: Not required
- __ Power effect: ≧ 0.05% R.O.
- __ Power consumption: ≧ 2.5VA (1P2W models)
≧ 6.5VA (3P3W models)
- __ Mutual interference effect: ≧ 0.1% R.O. between each element
- __ Magnetic field strength: 400ATM ≧ 0.2% of F.S.
- __ Operating temperature: 0~60 °C
- __ Operating relative humidity: 20~95 %RH, non-condensing
- __ Temperature coefficient: ≧ 100 PPM/°C
- __ Storage temperature: -10~70 °C

- __ Dielectric Strength: IEC 414, IEC 688:1992, ANSI C37.90a
Between Input / Output / Power / Case
- __ Surge test: IEC 255-4, ANSI C37.90a
6KV, 1.2 x 50 µsec.
Common mode & differential mode
- __ Insulation resistance: ≧ 100M ohm, DC 500V
- __ Safety: IEC 414, BS 5458
- __ Enclosure: IEC 529 (IP50)
- __ Mounting: Wall or DIN rail (EN 50022)
- __ Weight: 1P: under 450g, 3P: under 650g

ADJUSTMENT
• Volt or Current – 1 Phase

• Volt or Current – 3 Phases

DIMENSIONS


Unit: mm

PANEL MOUNTING HOLES

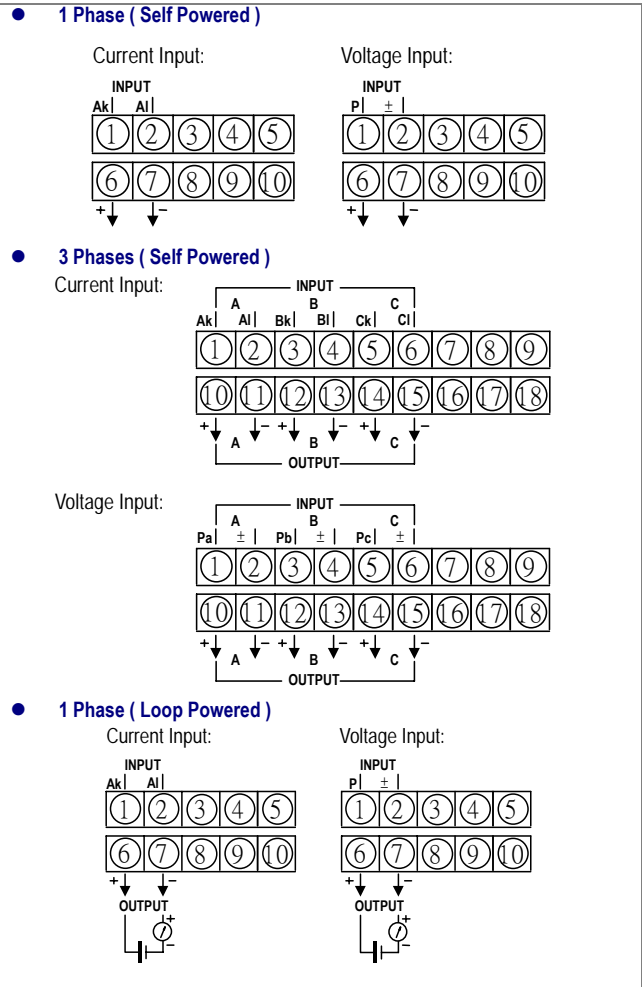
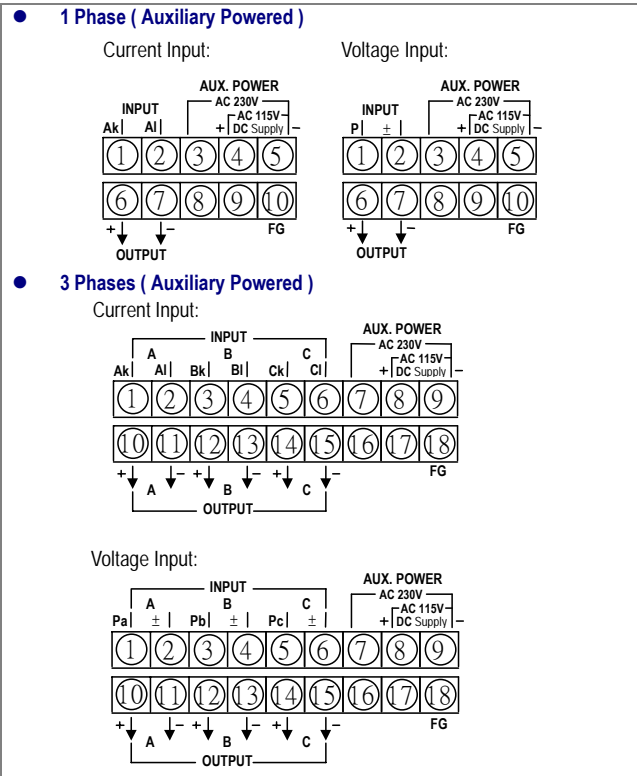


OUTPUT RANGE PROGRAMMING

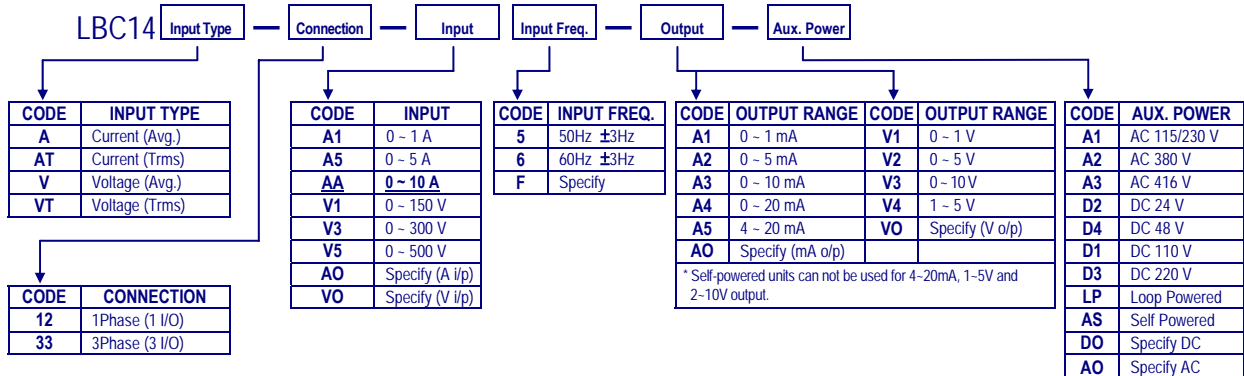
OUTPUT	Dip Switch								Pads	
	1	2	3	4	5	6	7	8	JP6(3P)	JP7(1P)
0 ~ 1 mA					on					
0 ~ 5 mA					on	on				
0 ~ 10 mA					on	on				
0 ~ 20 mA					on		on			
4 ~ 20 mA	on				on		on			
0 ~ 1 V		on	on	on				on		
0 ~ 5 V			on	on	on			on		
0 ~ 10 V				on	on			on		
1 ~ 5 V	on	on	on					on		
2 ~ 10 V	on			on				on		

* Pads: (1) * closed by soldering. (2) blank fields mean open.

CONNECTION DIAGRAM



ORDERING INFORMATION



TRMS measuring can not be used in Self Powered & Loop Powered type. And Loop Powered is only for 1 phase