

## ADP400-Series Power Transducer

- Measure Watt, Var or Watt & Var
- 1P2W, 1P3W, 3P3W, 3P4W
- Balanced or unbalanced systems
- 2 years warranty
- Precision measurement even for distorted wave.
- High stability
- Low output ripple
- High protection against spikes & surges



### Input

**Voltage:** Any up to 415Vmax (Typically 120 /240 /415V)

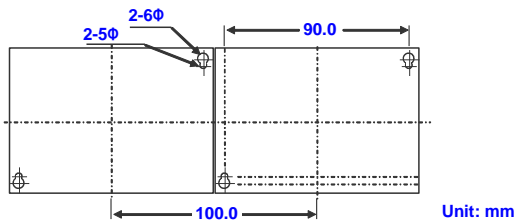
**Current:** Any up to 10A max (Typically 1A / 5A)

**Input Burden 0.1VA**

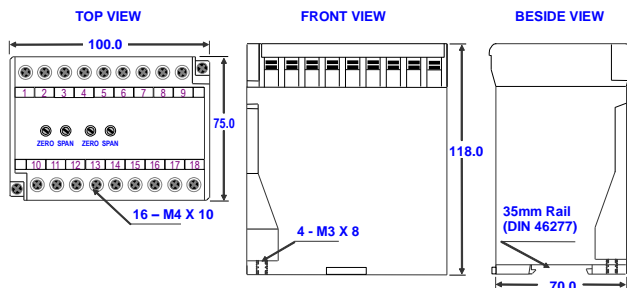
### Output:

DC current or voltage specified in the range of:  
Current up +/-20mA max (in to 550 ohms max)  
Voltage any from +/-10V max (750 ohms min)  
Typical output range: 4 – 12 - 20mA (550 ohms)

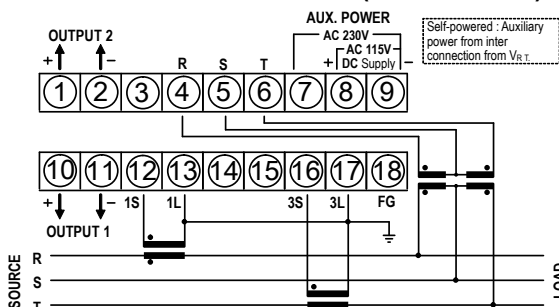
### SURFACE MOUNTING HOLES



### DIMENSIONS



### Watt / Var / Watt & Var - 3Φ3W ( Unbalanced )



### Accuracy :

≤ ±0.2% of F.S.

### Waveform effect:

≤ 0.2% of F.S. at 30% distortion

### Max. input over :

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

### Input frequency:

50 Hz ±3 Hz, 60 Hz ±3 Hz

### Response time:

≤ 250 m-sec.

### Span adjustment:

≤ ±5% of Span

### Zero adjustment:

≤ ±2% of Span

### 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  
Self Powered: From input volt  
Working volt: ±15% of I/P V.

### Power effect:

≤ 0.05% of F.S.

### Power consumption:

≤ 4VA

### Magnetic field strength:

400ATM ≤ 0.2% of F.S.

### Operating temp:

0~60 °C

### Relative humidity:

20~95 % RH, non-condensing

### Temp coefficient:

≤ 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 μsec.  
Common mode & differential mode

### Safety:

IEC 414, BS 5458

### Enclosure:

IEC 529 (IP30)

### Isolation:

Input / Output / Power / Case

### Insulation R:

≥ 100M ohm, DC 500V

### Performance:

In accordance with IEC 688

### Mounting:

Wall or DIN rail (EN 50022)

### Weight:

< 650g