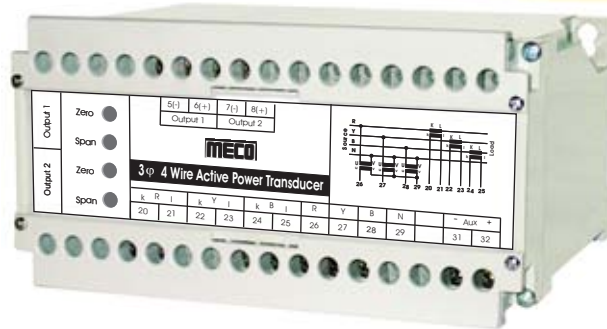




**ISOLATED
DUAL OUTPUT
AVAILABLE
SHORTLY**



WT, RPT

MECO AC Active Power (Watt) & Reactive Power (Var) Transducers measure Power in 1 Phase, 3 Phase 3 Wire and 3 Phase 4 Wire in balanced or unbalanced electrical systems and converts it to an industry standard output signal which is directly proportional to the measured input. These Transducers provide an output which is load independent and isolated from the input. These Transducers can measure both Import and Export of Power. The output can be connected to Controllers, Data-Loggers, PLC's, Analog / Digital Indicators, Recorders for display, analysis or control. They are ideal for SCADA, Energy Management, Telemetry for Remote, Local as well as Central Monitoring Systems.

Type	Watt	Var
1Phase 1Element 2Wire - TRMS	WT11	RPT11
3Phase 1Element 2Wire (Balanced) - TRMS	WT31	RPT31
3Phase 2Element 3Wire (Balanced & Unbalanced) - TRMS	WT33	RPT33
3Phase 3Element 4Wire (Balanced & Unbalanced) - TRMS	WT34	RPT34

AC Input	
Input Voltage	0-63.5/110/230/440 V (any one only)
Input Current	0-1/5 A (any one only)
Input Frequency	50/60/400 Hz (any one)
Input PF Range	0 (Lag) - 1 - 0 (Lead)
Measuring Range	0-1.2 x Un x In
Overload (continuous)	2 x In and 1.2 x Un
Burden (Voltage)	< Un x 5.5mA/Phase < 6 VA for Self Powered
Burden (Current)	< 0.5VA / Phase

DC Output			
Current		Voltage	
Output	Load	Output	Load
0-1 mA	0-10 KΩ	0-1 V	> 1 kΩ
0-5 mA	0-2 KΩ	0-5 V	> 5 kΩ
0-10 mA	0-1 KΩ	1-5 V	> 10 kΩ
2-10 mA		0-10 V	
0-20 mA	0-500 Ω	2-10 V	
4-20 mA			

Auxiliary Power Supply		
	Tolerance	Burden
AC Linear Power Supply	110 V ± 20%	< 4 VA
	230 V ± 20%	
DC	24 V ± 20%	
	48 V ± 20%	
	110 V ± 20%	
	220 V ± 20%	
SMPS-HV	85-265 V AC/DC	< 2 VA
SMPS-LV	19-90 V AC/DC	
Self Powered	Max. Variation of ± 20% allowed in Input Voltage	Refer Input Burden

Optional

- Above Input Ranges with suitable CTR/PTR also available
- Bi-directional inputs for Import / Export of Power

Optional

- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@mecoinst.com
- Dual Symmetrical & Asymmetrical Outputs
- Bi-directional Outputs

Optional

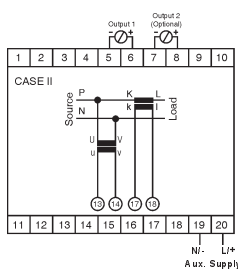
- Other Auxiliary Power Supplies available subject to technical feasibility

Dimension

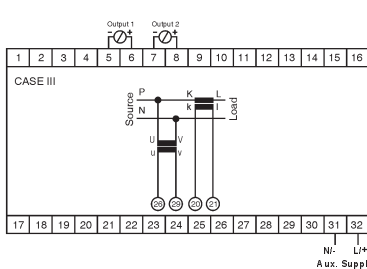
- DIN Series :**
- Case Size II for 1P & 3P1E Single Output / Dual Output (Non-Isolated) of AC, DC or SMPS Aux. Supply
 - Case Size III for Dual Output (Isolated) of AC, DC or SMPS Aux. Supply
 - Case Size III for Single or Dual Output (Non-Isolated) of AC, DC or SMPS Aux. Supply

Note : ● For Case Size refer General Specifications

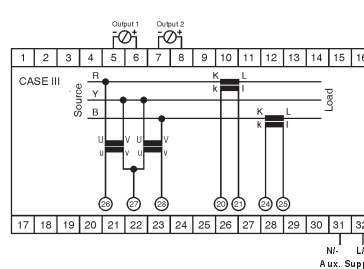
Connection Diagram



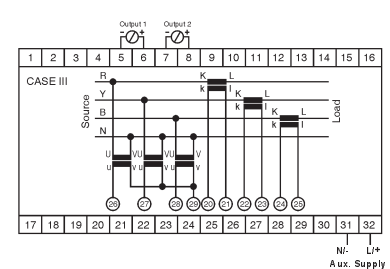
WT11/ RPT11 WITH AC/DC/SMPS AUX. SUPPLY (DUAL NON ISOLATED OUTPUTS)



WT11/ RPT11 WITH AC/DC/SMPS AUX. SUPPLY (DUAL ISOLATED OUTPUTS)



WT33/ RPT33 WITH AC/DC/SMPS AUX. SUPPLY (DUAL ISOLATED / NON ISOLATED OUTPUTS)



WT34/ RPT34 WITH AC/DC/SMPS AUX. SUPPLY (DUAL ISOLATED / NON ISOLATED OUTPUTS)