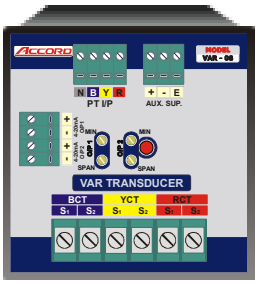
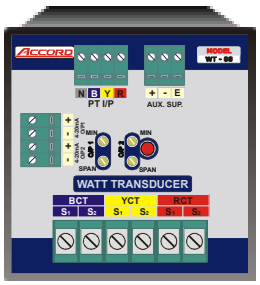
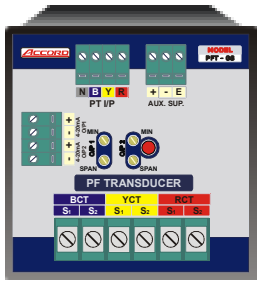
WATT, VAR, PF TRANSDUCER (DIN RAIL)



VAR TRANSDUCER



WATT TRANSDUCER



PF TRANSDUCER

FEATURES:

- Static design, no moving parts.
- Quick Response Time.
- Output independent of load impedance.
- Computerized Circuit design.
- Components have high thermal withstand capacity & can survive extreme tropical atmospheric conditions.
- Stable output even in case of wide power supply fluctuations (for self-powered & Aux. Powered transducers).
- Galvanic isolation between input / output /auxiliary power supply.
- Standard DIN Rail mounting, cabinets.

GENERAL SPECIFICATIONS:

	WATT TRANSDUCER (WT – 08)	VAR TRANSDUCER (VAR – 08)	PF TRANSDUCER (PFT – 08)
Type	2 or 3 ELE. Uni or BI-Direcional	2 or 3 ELE. Uni or BI-Direcional	2 or 3 ELE. 1 ELE.
Rated Input	0-1A or 0-5A 0-63.5 or 0-110V/ 100V AC Through CT, PT	0-1A or 0-5A 0-63.5 or 0-110V/ 100V AC Through CT, PT	0-1A or 0-5A 0-63.5 or 0-110V / 100V AC Through CT, PT
Measurement Range	WATT (IMP & EXP.)	WATT (LEAD & LAG)	0.5LEAD-0-0.5LAG
Continuous Overload Capacity	X 2 (I), X 1.2 (V)	X 2 (I), X 1.2 (V)	X 2 (I), X 1.2 (V)
OL for 1 Sec	X 10 (I), X 2 (V)	X 10 (I), X 2 (V)	X 10 (I), X 2 (V)
Out Put	➢ 0-20mA or 4-20mA (750 ohms Max. Load). ➢ 0-10V (5KO) or 5V (2.5KO). ➢ RS232/485, MODBUS RTU Protocol. (optional) ➢ 4-12-20mA / -10-0+10mA / -7.5-0-12.5 mA (for Bi-Directional Transducer Type PFT-08,WT-08, VAR-08) ➢ Any other Output Range can also be supplied on request Single Output of any one type (slandard), Dual Output of any one type**(Optional: MW/MVAR/PF can be given for individual output, factory programmable)**		
Type Of Measurement	True RMS		
Response Time	< 300ms		
Aux. Supply	➢ 85 to 250V AC–DC (SMPS). ➢ 30 to 70V DC. ➢ 110V, 240V AC ±10%, 50Hz, ➢ Self Powered (energy derived from monitored source). Specify any one while ordering.		
Burden on Aux. Supply	< 4VA	< 4VA	< 4VA
Burden on monitored source	< 0.5 VA	< 0.5 VA	< 0.5 VA
Accuracy	±0.2% OR ±0.5% OR ±1.0% of span		
Output Ripple	Maximum 0.5% P to P.		
Ambient conditions	Storage: –20C to +70C, upto 95% RH non–condensing. Working: 0C to 55C, 95% RH non–cond.		
Effect of ambient Temperature	0.05% of span/0C		
Isolation Test Voltage Between input / output / Aux. Supply	Dielectric strength at 2.0KVAC for one minute. Optional 5.0KVAC Test can also be done.		
Insulation Resistance	> 100MΩ at 500VDC between all input terminals shorted together and earth.		
Zero / Span Adjustment	Available externally. Maximum up to 20% of the output span.		
Size			
	Type : 96mm x 96mm		
Mounting	DIN RAIL		
Enclosure	Engineering Plastic enclosure.		
Terminals	Suitable for 2.5 mm2 wire.		
Protection	Input & Output → short circuit & open circuit protected.		
Class Conformation	General Conformation to BIS12784 (Part 1) / IEC688		

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