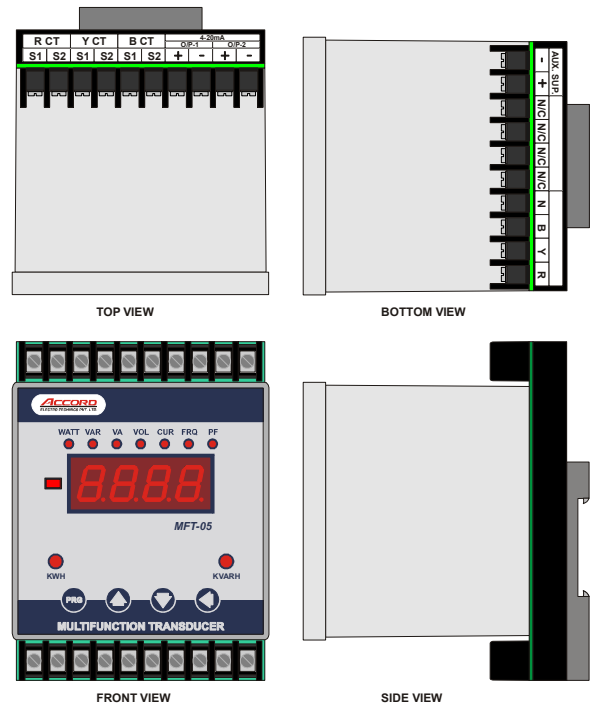


MULTIFUNCTION TRANSDUCER (MFT - 05)

FEATURES:

- Static design, no moving parts.
- Quick Response Time.
- Output independent of load impedance.
- 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.
- Cal. check facility.
- On site programmable any parameter.



GENERAL SPECIFICATIONS:

MODEL	MFT-05
Input Configuration	3-Ph 4-Wire or 3-Ph 3-Wire
Configurable Parameters	i) R Current, ii) Y Current, iii) B Current, iv) RY Voltage, v) YB Voltage, vi) BR Voltage, vii) Average Phase to Neutral voltage, viii) Freq., ix) PF, x) Bipolar Watt, xi) Unipolar Watt, xii) Bipolar Var, xiii) Unipolar Var, xiv) VA.
FSD	50 to 150 % of full scale.
Rated Input	0-1A or 0-5A 0-63.5 or 0-110VAC Through CT, PT
Continuous Overload Capacity	X 2 (CURRENT), X 1.5 (VOLTAGE)
OL for 1 Sec	X 20 (CURRENT), X 2 (VOLTAGE)
Out Put	<ul style="list-style-type: none"> ➤ Independently Site Programmable 4 Analog O/P ➤ 0-20mA or 4-20mA / 4-12-20mA (500Ω Max. Load). ➤ Uni or BI-Directional (Import/Export) ➤ RS 232/485, MODBUS RTU Protocol. (Optional)
Type Of Measurement	True RMS
Response Time	< 500ms
Aux. Supply	<ul style="list-style-type: none"> ➤ 25 to 80VDC. ➤ 85 to 250V AC-DC (SMPS). ➤ Self Powered Specify any one while ordering.
Burden on Aux. Supply	< 5VA
Accuracy	<ul style="list-style-type: none"> ➤ Line Voltage – 0.5% ➤ Current – 0.5% ➤ Frequency – 0.01 resolution. ➤ Active -0.5% & Reactive Power – 1%
Output Ripple	< 0.5%
Ambient conditions	Storage: -20°C to +70°C, upto 95% RH non-condensing. Working: 0°C to 55°C, 95% RH non- condensing.
Isolation Test Voltage Between input / output / Aux. Supply	Dielectric strength at 2.0KVAC for one minute.
Insulation Resistance	> 10MΩ at 500VDC between all input terminals shorted together and earth.
Size	Front = 90x90mm, Connector to Connector = 121mm Height, Depth = 96mm
Mounting	DIN-RAIL
Enclosure	Moulded Plastic enclosure.
Terminals	Suitable for 4 mm ² wire.
Protection	Input & Output → short circuit & open circuit protected.
Class Confirmation	0.5% (General Confirmation to IEC688).

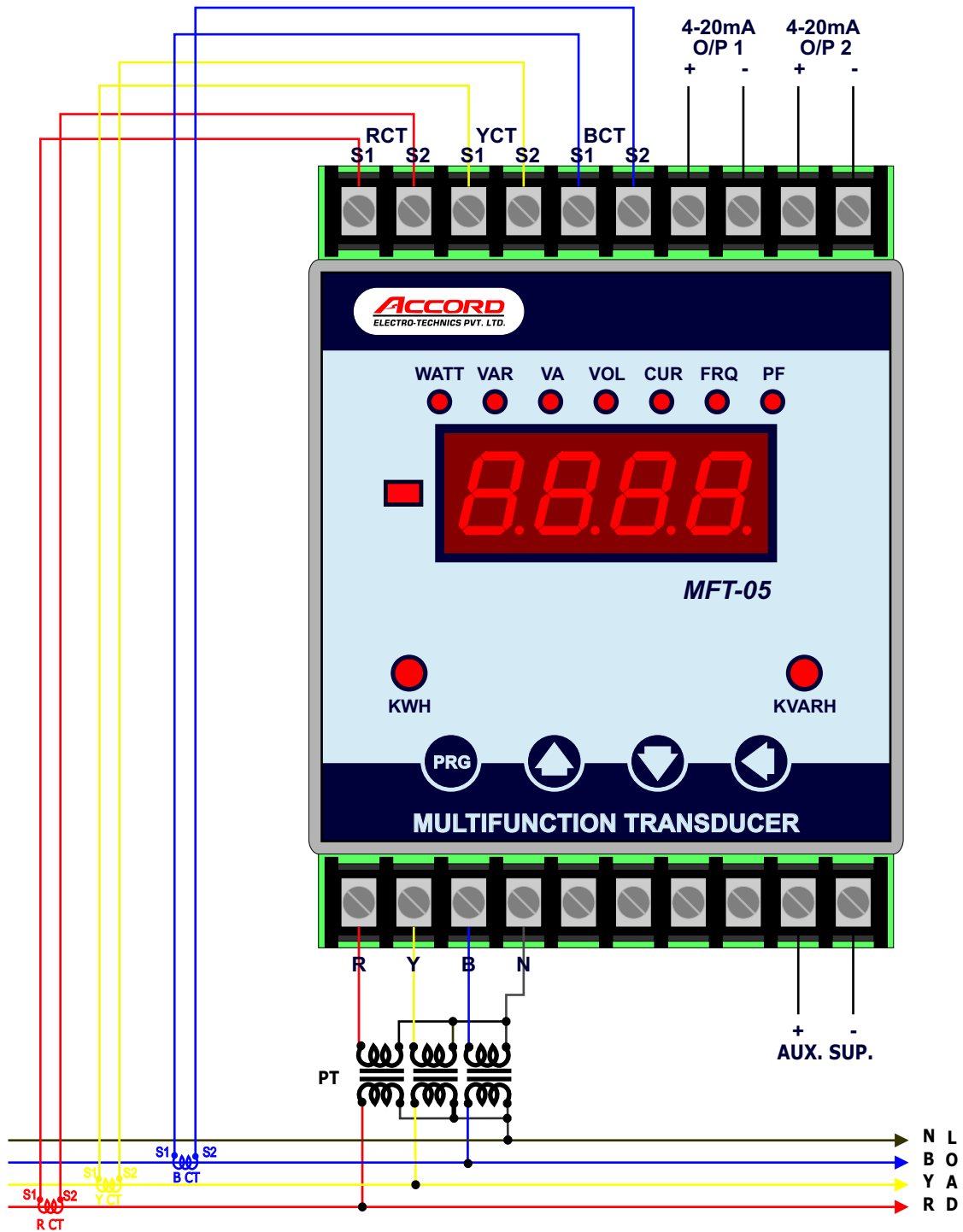
Note : Due to continuous development and upgradations, specification are subject to change without any prior notice

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MULTIFUNCTION TRANSDUCER EXTERNAL WIRING DIAGRAM 3 PHASE 4 WIRE



MULTIFUNCTION TRANSDUCER EXTERNAL WIRING DIAGRAM 3 PHASE 3 WIRE

