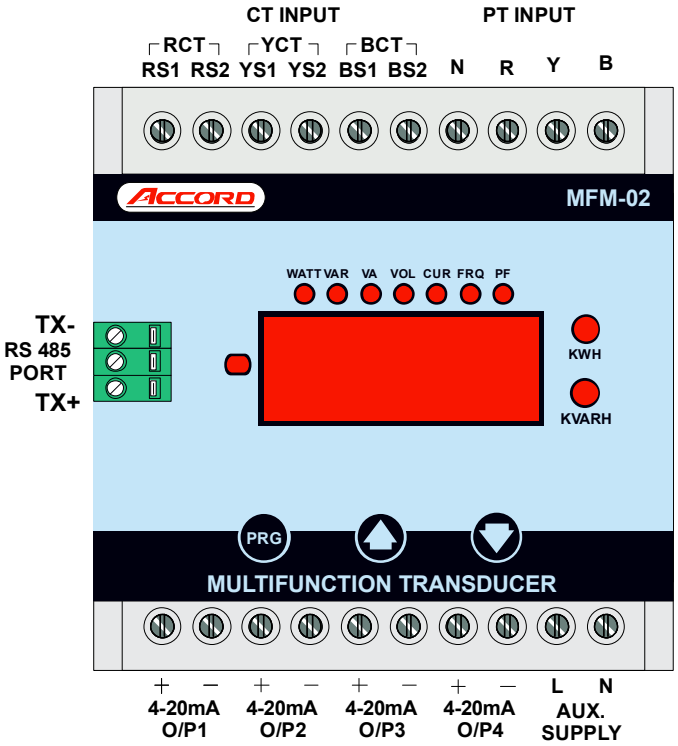
MULTI-FUNCTION TRANSDUCER – USERS MANUAL

INSTRUMENT FRONT



#	SPECIFICATION	PARTICULARS
1	**Manufacturer.**	ACCORD ELECTRO-TECHNICS PVT. LTD.
2	**Model No.**	MFM-02.
4	**Aux Power Supply**	48V To 110V AC/DC (Range:45 To 150V AC/DC)
5	**Electric Network.**	3-Phase 4-Wire./ 3-Phase 3-Wire.
6	**CT Secondary.**	1A/5A (SITE SELECTABLE)
7	**PT Secondary.**	100V-110V P-P
8	**VA Burden.**	0.1 VA on each PT for Sensing. 0.2 VA on each CT.
9	**Nominal Input Current (I_{in}).**	1A/5A.
10	**Insulation Resistance.**	> 10 MΩ at 500 VDC.
11	**Momentary Overload Capacity.**	20 times input for 1 sec.
12	**Input Frequency Range.**	40 to 60 Hz.
15	**Dimensions (mm).**	100 X 100 X 90mm.
16	**Mounting.**	Din Rail Mounting.
17	**Terminals.**	Suitable for 2.5 mm^2 wires.
18	**Measuring Parameters.**	♦ Line Voltage P-N & P-P. ♦ Current. ♦ Line Frequency. ♦ Power Factor. ♦ Active, Reactive and Apparent Power. ♦ Four Analog Outputs (4-20 mA DC).
19	**Display / Indications / Settings available on the Unit.**	♦ 4 Seven Segment LED displays to display the set values & measuring parameters. ♦ KWH LED to indicate Active Power pulse. ♦ KVARH LED to indicate Reactive Power pulse. ♦ Three Keys for programming the unit (CT& PT ratio, Baud rate, unit ID, Analog input).
20	**Accuracy Class.**	0.2%
21	**Temperature Range.**	0-60°C
22	**Response Time.**	Less than 200ms
23	**Output 4-20mA**	4-20mA 04 Nos. Outputs.