



TECHNICAL SPECIFICATION



Input – Any one of the below

Current, 4 – 20 mA DC/ 0 – 20 mA DC/Others (Display range = -1999 to 9999)
Voltage, 1 – 5 V DC/ 0 – 5 V DC/Others (Display range = -1999 to 9999) 2)
OHMS (0-10K) RTD Pt 100 – 3 wire (-100.0 to 600.0) T/C Type J (-110 – 1025)
T/C Type K (-150 – 1400) T/C Type R (-25 – 1775) T/C Type S (-25 – 1775) T/C
Type T (-200 – 400) T/C Type B (450 to 1800) T/C Type E (0 to 1000)

UNIVERSAL (all the above, configurable)

Decimal point is configurable in Linear and RTD inputs only. T/C ranges and displays are without decimal points. Special

Input impedance

200 K Ω for Voltage, mV & T/C inputs 250 Ω for current inputs

Number of channels / Relays

32 Channels / 16 relays --- Ver.1 24 Channels / 32 relays --- Ver.2 User's requirement should fulfill atleast one version

MAPPINGS Mapping

Groups to Channel mapping Relay to Group mapping * All configurations possible with this function. * Refer Point 2 on last page for detailed desc.

Contact output configurations

Setpoint, Alarm type, Hysterisis – for each relay AND or OR logic for the assigned group

Analog Retransmission output

Maximum 4 nos. of 4-20 mA DC / 0-10 V DC (Isolated or Non Isolated) Specials

Display resolution

2 digit for channel display

4 digit for process value

Display accuracy

+/- 0.1% of span Serial output with open protocol

RS232 With modbus RTU protocol

RS485 with modbus RTU protocol

Note: Any other protocol on demand

Transmitter power supply To be confirmed with factory

Power supply 24 V DC 230/110 V AC, 50 Hz, +/- 10% 90-270 V AC – SMPS type Specials

Contact ratings 230 V AC, 5 Amps.

Enclosure MS metal enclosure / flameproof enclosure / IP65

Dimensions Standard --96mm (W) * 196mm (H) – with bezel or as required, prior to confirmation with factory (96*96 / 72*144 subject to density of functions) Mounting Panel, Wall, Field / Specials

Ambient temperature 0 – 50°C

Storage temperature 0 – 70°C

Humidity 90% RH (non-condensing)