



MD9400
MD9410



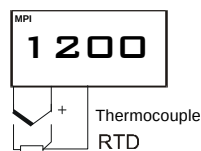
STANDARD

0.8" LARGE DISPLAY
10 SECURITY OPTIONS
UNIVERSAL INPUT
1 ALARM - 18 TYPES
POWER - 85-265VAC

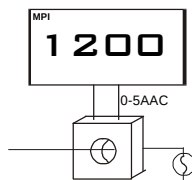
OPTIONS

3 ALARMS - 18 TYPES
24VDC EXCITATION
4-20mA RETRANSMISSION
POWER - 24VDC
RS485 COMMUNICATIONS

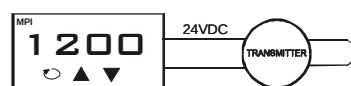
TEMPERATURE INPUT



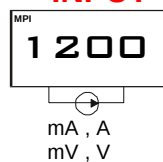
CT INPUT



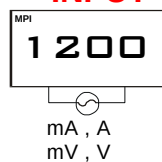
TRANSMITTER EXCITATION



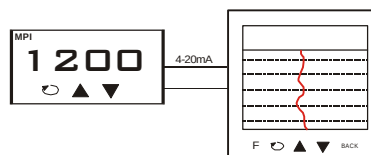
DC SIGNAL INPUT



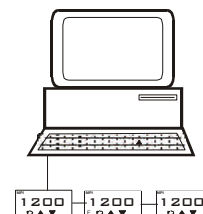
AC SIGNAL INPUT



PROCESS VALUE RETRANSMISSION



RS485 COMM



MD - PROGRAMMABLE INDICATOR + 3 ALARMS

1. INPUT

Thermocouple J, K, T, R, S, E, N, C
RTD Pt100 ohms RTD (DIN 43760/BS 1904 or JIS)
Linear Voltage -10 to 60mVDC
Linear Current 0-20, 4-20mA DC
CT Input 0-5amp CT
Voltage 0-600V AC/DC
Range User configurable
Accuracy +/-2C for T/C, +/-0.2C for RTD, +/-0.05% for Linear input.
Cold Junc. Comp 0.1% ambient typical.
Input Impedance 10M ohms for T/C, 100K ohms for Linear Voltage, 2.7 Ohms for 0 (4)- 20 mA/
Ex. Current for RTD 0.2mA Max.
Sample Rate 500ms

2. CONTROL

Proportional Band 0.0-100.0%
On-Off With adjustable hysteresis
Cycle Time 0-60 seconds.
Control Action Configurable for Direct (cooling) or Reverse (Heating)

3. OUTPUT

Relay 5A/240VAC resistive.
Pulsed Voltage Isolated 24 VDC 100mA Max.
Current Isolated 0 (4) - 20 mA Max load 500 ohms.

3. ALARMS

Relay 5A/240VAC resistive.

4. RETRANSMISSION of PV

Current Isolated 0 (4) - 20 mA Max load 500 ohms.

5. POWER

Rating 85 - 265 VAC 50/60Hz 5VA max
24VDC (OPTION)

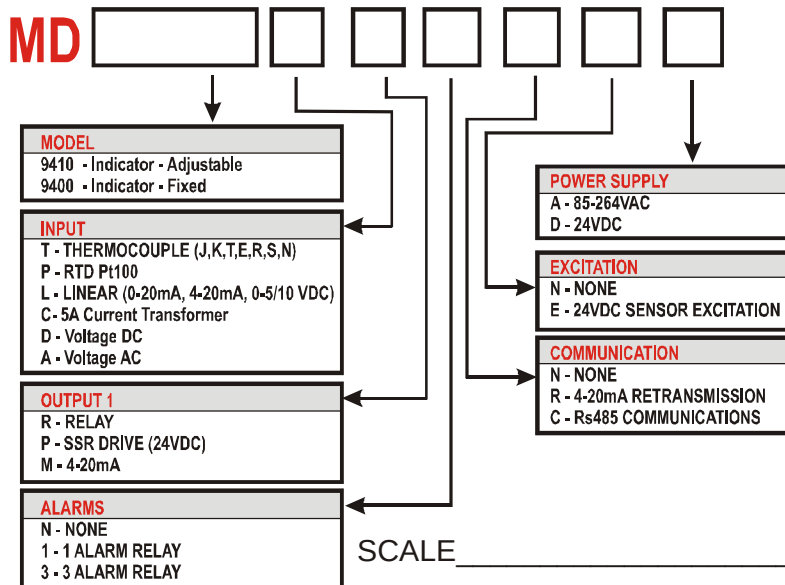
6. ENVIRONMENTAL

Operating Temp -10 - 50C
Humidity - 90%
Insulation 20M ohms minimum @ 500VDC
EMC Emission EN500081-1:1992, EN55022:1994
EMC Immunity EN 50082-1:1992, IEC 801-3, IEC 801-4:1988

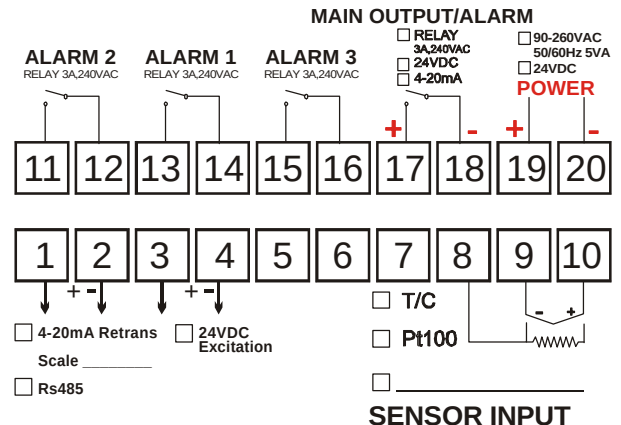
7. PHYSICAL DIMENSIONS

Size 96mmW x 48mmH x 80mmD
Weight 240g

MODEL CODE



WIRING DIAGRAM



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