



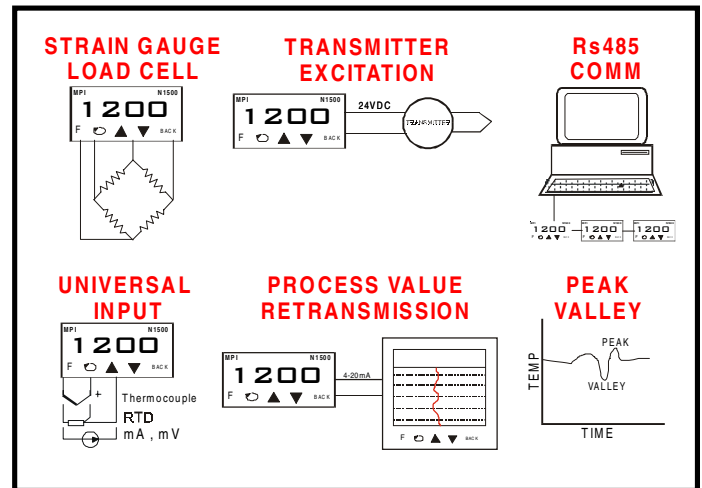
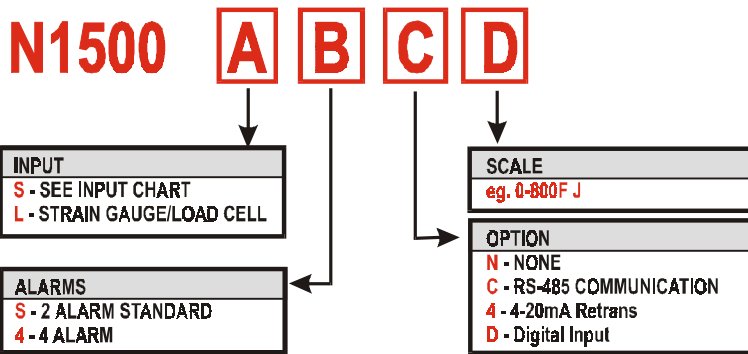
STANDARD

- UNIVERSAL INPUT (TC,RTD,4-20mA)
- 24VDC SENSOR EXCITATION
- 5 DIGIT DISPLAY
- 2 ALARM RELAYS (CONFIGURABLE)
- PROGRAMMABLE SCALING
- MAX / MIN READING

OPTIONS

- 4 ALARM OUTPUT
- 4-20mA RETRANSMISSION
- LOAD CELL/STRAIN GAUGE INPUT
- RS485 COMMUNICATIONS
- DIGITAL INPUT - HOLD, TARE, MAX

MODEL CODE



SPECIFICATIONS - N1500

1. INPUT

Thermocouple	J, K, T, E, B, R, S, N
RTD	Pt100 ohms RTD (DIN / JIS)
Linear Voltage	0-50mV, 0-10VDC configurable
Linear Current	0-20mA, 4-20mAVDC configurable
Strain Gauge/Load Cell	10VDC Stabilized Excitation (Option)
Range	User configurable -1999 to +9999
Decimal Point	Selectable (Except T/C)
Accuracy	0.25% for T/C +/-1C (+/-3C R,S,B) 0.20% for Linear input & RTD.
CJC Comp	0.1% ambient typical.
Input Impedance	10Mohms-T/C, RTD, VOLTAGE 100ohm for 4-20mA
Excit.Current-RTD	0.2mA Max.
Sample Rate	200mS
Digital Input (Option)	HOLD, TARE, MAX,MIN Clearing

2. OUTPUT

Alarm Relays (4 max)	3A/240VAC resistive.
PV Retrans (Option)	Isolated 0/4-20mADC
Sensor Excitation	Isolate 24VDC, 10VDC%+/-10%, 25mA
RS485 (Option)	MODBUS RTU

3. PHYSICAL & ENVIRONMENT

Size	96x48x131mm (1/8DIN)
Panel cutout	92mmx45mm
Display	5 DIGIT, 13mm LED Display
Security Lock	Password
Weight	250-375g
Operat Temp&Humid.	0-55degC, 0-95%RH
Insulation	20M ohms minimum @ 500VDC

4. POWER

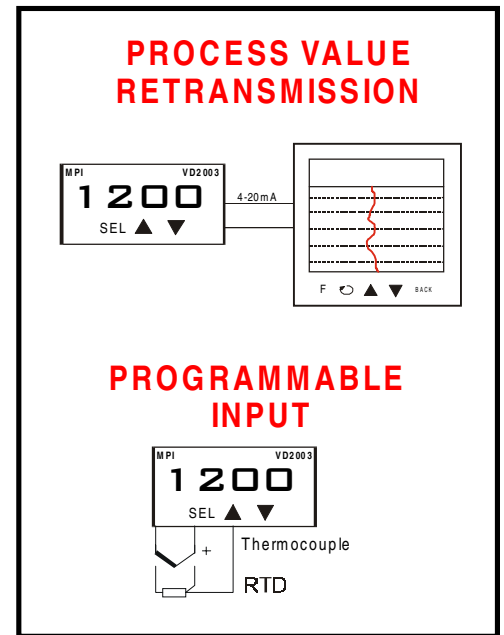
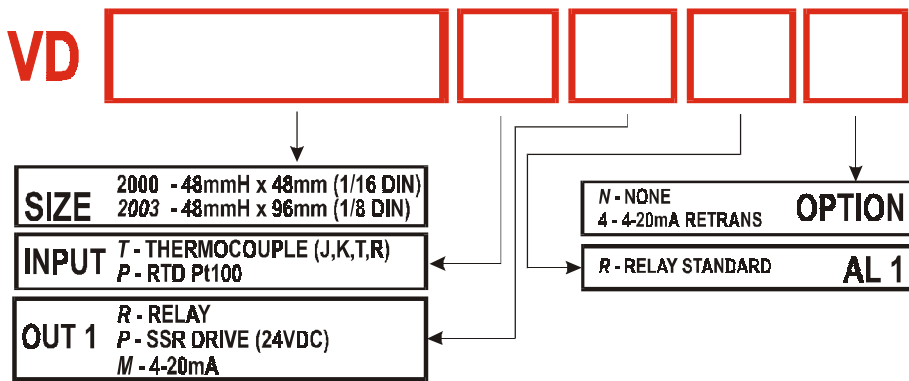
Rating	85-265VAC 50/60Hz 6VA 24VAC/DC (Option)
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STANDARD

- P CONTROL
- ULC, UL, CE pending
- 6 SECURITY OPTIONS
- PROGRAMMABLE T/C or RTD INPUT
- CONFIGURABLE ALARM
- OPTIONS
- RETRANS OUTPUT

MODEL CODE



SPECIFICATIONS - VD

1. INPUT

Thermocouple	J, K, T, R
RTD	Pt100 ohms RTD (DIN 43760/BS 1904 or JIS)
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	250mS

2. CONTROL

Proportional Band	0.0-300.0%
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.
Alarm	Relay output, (SPST) 10A/240VAC resistive.

4. RETRANSMISSION of SETPOINT

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

Rating	85 - 265 VAC 50/60Hz 5VA max
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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
Weight	VD2000 180g, VD2003 - 240g

7. PHYSICAL DIMENSIONS

VD2000	48mmW x 48mmH x 100mmD
VD2003	96mmW x 48mmH x 80mmD



STANDARD

1/8 DIN (48mmH x 96mmW)
 3.5 DIGIT DISPLAY - 0.8" LED
 SHORT DEPTH - 73mm (2.87")
 120/240 VAC POWER SUPPLY
 DECIMAL POINTS - 0, 1, 2, 3
 SCALEABLE DISPLAY

INPUT SIGNALS

Thermocouple J, K, R, S
 RTD Pt100 ohms RTD
 AC VOLT 299,499,600
 AC AMPS 5A, 10A, 5A CT - SCALEABLE
 DC VOLT 1.999mV - 499V - SCALEABLE
 DC AMPS 1.999mA - 10A - SCALEABLE
 PROCESS 0-10VDC - SCALEABLE
 0-20mA, 4-20mADC

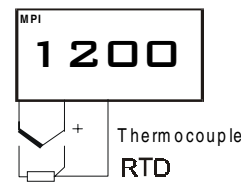
MODEL CODE

M6- - INPUT - DISPLAY RANGE

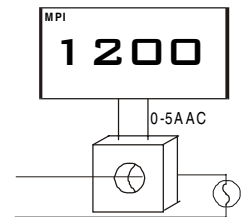
ACA	AC AMPS
ACV	AC VOLTS
DCA	DC AMPS
DCV	DC VOLTS
T	TEMP

VOLTAGE	CURRENT	TEMPERATURE
199.9mV	1.999mA	RTD
1.999V	19.99mA	J
19.99V	199.9mA	K
199.9V	1.999A	R
299V	5.00A	S
499V	10.00A	
999V	0-1mA	
1V	4-20mA	
15V	0-5Amps	

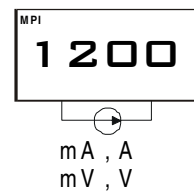
TEMPERATURE INPUT



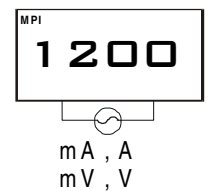
CT INPUT



DC SIGNAL INPUT



AC SIGNAL INPUT



SPECIFICATIONS - M6

1. INPUT

Thermocouple	J, K, R, S
RTD	Pt100 ohms RTD (DIN / JIS)
AC VOLT	299,499,999
AC AMPS	5, 10 AMP
DC VOLT	1.999mV - 499V
DC AMPS	1.999mA - 10A
PROCESS	0-10VDC 0-20mADC, 4-20mADC
Range	max -1999/+9999 depend on sensor
Decimal Point	0,1,2,3 digit
Accuracy	0.2% +/- 1 digit
Input Impedance	Over 1Mohm
Sample Rate	333mS
ZERO ADJUST	2% of span
SPAN ADJUST	10% of span

2. PHYSICAL

Size	96x48x73mm (1/8DIN)
Panel cutout	90mmx44mm
Display	3.5 DIGIT, 0.8"/20mm LED

3. POWER

Rating	120/240VAC 50/60Hz 3VA
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4. ENVIRONMENTAL

Operate Temp.	0-50degC
Humidity	25 - 85%RH
Dielectric	1500vac/1 min (Input/Power)
Weight	240g