

COMPACT 1/32 DIN

24mm High x
48mm Wide x
99mm Deep



STANDARD

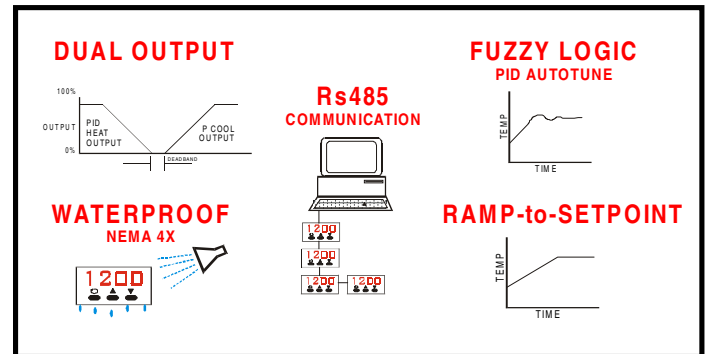
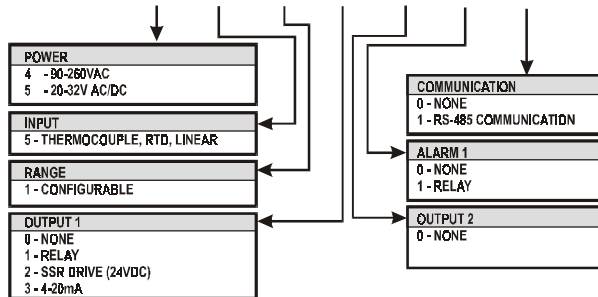
FUZZY LOGIC with PID AUTOTUNE
RAMP-to-SETPOINT
SOAK TIMER
AUTO/MANUAL
SECURITY LOCKOUT
UNIVERSAL INPUT - T/C, RTD, mA, V
NEMA 4X - WATERPROOF
POWER SUPPLY - 90-260VAC
UL, CSA, CE APPROVALS

OPTIONS

ALARMS - 13 TYPES
RS 485 COMMUNICATION
POWER SUPPLY - 20-32VAC/DC

MODEL CODE

BTC-2220



SPECIFICATIONS - BTC-2220

1. INPUT

Thermocouple	J, K, T, E, B, R, S, N
RTD	Pt100 ohms RTD (DIN or JIS)
Linear Current	0-20 or 4-20mA DC
Linear Voltage	0-1, 0-5, 0-10, 1-5VDC
Range	User configurable
Accuracy	+/-2C for T/C, +/-0.4C for RTD, +/-0.05% for
Linear input.	
Input Impedance (V)	100K ohms for Linear Voltage
Excitation Current for RTD	0.2mA Max.
Sample Rate	200mS

2. CONTROL

Proportional Band	0.0-200.0°C or 0.0-360.0°F
Rest (Integral)	0-3600 Sec.
Rate (Derivative)	0-1000 Sec.
Ramp Rate	0.0-55.0°C or 0.0-99.0°F / minute.
Dwell	0-9999minutes.
On-Off	With adjustable hysteresis
Cycle Time	0-99 seconds.
Control Action	Configurable for Direct (cooling) or Reverse (Heating)

3. OUTPUT

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

4. POWER

Rating	85 - 265 VAC 50/60Hz	5VA max
	20 - 32V AC/DC (OPTION)	

5. ENVIRONMENTAL

Operating Temp	-10 - 50C
Humidity	0- 90%
Insulation	20M ohms minimum @ 500VDC

6. PHYSICAL DIMENSIONS

BTC-2220	48mmW x 24mmH x 99mmD
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