



ATHENA[®] SERIES 2000

Full Feature Analog Temperature Controls



FEATURES

- Compact 1/4 DIN Case
- Accurate Proportional Temperature Control
Ideal for most Processes
- Noise-Immune Analog Circuitry
- Simple to Use (No Programming Required)
- Thermocouple or RTD Input
- Adjustable Bandwidth and Reset
- Optional PID
- Adjustable High/Low Alarm
- Linearized Analog setpoint (2000)
- Limit Controller Configuration Available



Series 2000

SPECIFICATIONS

Line Voltage: 120/240V ±10%, 50-60Hz
 Power Consumption: Less than 5VA
 Setpoint: 2000 - Analog-Single turn potentiometer 270° rotation.
 Setpoint Resolution: 2000 - 0.2% span
 Temperature Indicator: Deviation meter ±50°F or ±30°C of setpoint
 Load Indicator: Red LED output light
 Alarm Indicator: Red LED
 Accuracy: ±0.5% of span
 Cold Junction Compensation: Automatic, electrical
 Sensor Break Protection: Failsafe, open sensor, output zero, Upscale indication on meter

Input: 2000 - J, K, T, thermocouples, Platinum RTD DIN standard
 Sensor Lead Resistance: Thermocouple, maximum lead resistance 100 ohm for specified accuracy
 Proportional Band: On/off or nominal 5-50°F (3-30°C)
 Offset (manual reset): Adjustable over 100% of proportional band
 Rate (derivative): 0.5 to 40 seconds
 Reset (integral): 0.7, 1, 2 or 4 minutes via internal switches
 Alarm: 2°F differential
 Ambient Temperature: 32° to 131°F (0° to 55°C)
 Dimensions: Front Panel - 3.78" x 3.78" (96mm x 96mm)
 Depth behind Panel - 3.78" (96mm)
 Panel cutout - 3.62" x 3.62" (92mm x 92mm)

BASE PRICE
\$210.00

SERIES 2000 ORDERING INFORMATION



Sensor Input Code	Price
0 = Thermocouple	N/C
2 = RTD	\$50.00

Output Type Code	Price
B = SPDT Relay 7A/5A	N/C
F = 4-20 mA dc	
S = Pulsed 20 Vdc	
T = SPDT SS Relay, 1A	
L = Limit Control	\$10.00

Control Options Code	Price
0 = Proportional/on-off (Standard)	N/C
A = 3-mode (PID)	\$25.00

Alarms (Standard) Code	Price
0 = None	N/C
B = High alarm only	\$35.00
C = Low alarm only	
D = High and Low alarm	

Code	Range	Type
03F	0 to +300°F	"J" TC
04F	0 to +400°F	"J" TC
13F	-100 to +350°F	"J" TC
16F	100 to +600°F	"J" TC
08F	0 to +800°F	"J" TC
01F	0 to +1000°F	"J" TC
03C	0 to +300°C	"J" TC
05C	0 to +500°C	"J" TC
51F	500 to +1500°F	"K" TC
02F	0 to +2000°F	"K" TC
25F	0 to +2500°F	"K" TC
01C	0 to +1000°C	"K" TC
14F	-100 to +400°F	"T" TC
R30	0 to +300°F	100 ohm RTD
R60	0 to +600°F	100 ohm RTD
R10	0 to +1000°F	100 ohm RTD
R06	0 to +600°C	100 ohm RTD



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