



3204 1/32 DIN Temperature Controller



- Ultra-Compact 1/32 DIN Size
- Dual Outputs for Heat, Cool and Alarm
- User Selectable Sensor and Process Inputs
- Autotune PID
- Single Ramp/Soak
- NEMA 4X Front Panel
- 4 Digit Display
- Program Security
- RS-232 / RS-485 Digital Communications Option

Description

The 3204 control provides full auto-tuning PID control in a compact 1/32 DIN package, making it an excellent choice for applications where panel space is a premium. Each of the two outputs can be programmed as heat control, cool control or alarm output. Select from Relay and SSR Drive output combina-

tions. AutoTuning functions calculate dependable PID parameters for optimal control of the process. NEMA 4X front panel withstands harsh environments and applications where the unit might come in contact with water or corrosives.

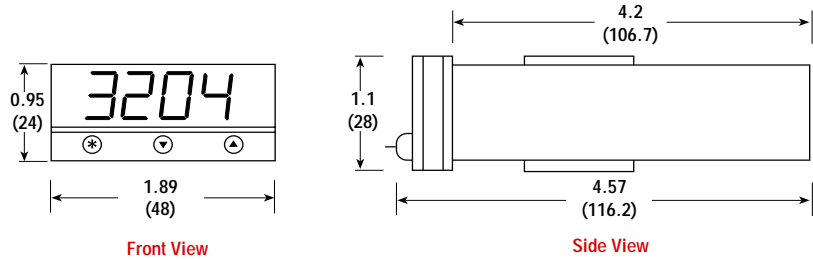
Specifications

Control Modes	Field Selectable, On/Off, PID			
Control Adjustments	Control Setpoint	Instrument Range		
	Proportional Band	25% of span, adjustable for each output		
	Automatic Reset	0.1 to 60 min. or Off		
	Rate	1-200 seconds or Off		
	Output Cycle Time	0.1-81 seconds		
	Approach Control	0.5 to 5 x Proportional Band		
Outputs				
Output #1	One Heat, Cool or Alarm Output			
	Relay	Normally open SPST contact rated 2 Amps at 250 Vac		
	SSR Drive	5 Vdc, +0, -15%, 10 mA, non isolated		
Output #2	One Heat, Cool or Alarm Output			
	Relay	Normally open SPST contact rated 1 Amps at 250 Vac		
	SSR Drive	5 Vdc, +0, -15%, 10 mA, non isolated		
Alarm Features	Field Selectable			
Functions	Process, Deviation, Band			
Types	Field Selectable High/Low, Inhibit on Start up, Latching			
Input Specifications				
Input Sampling	10 times per second			
Sensor Type		Range* °F	°C	
Thermocouple	J	32-1472	0-800	± 0.25% of sensor maximum
	K	-58 to +2192	-50 to +1200	
	T	-273 to +482	-200 to +250	
	E	32-1112	0-600	
	R	32-2912	0-1600	
	S	32-2912	0-1600	
	N	-58 to +2192	-50 to +1200	
RTD	100 Ohm Pt	-273 to +752	-200 to +400	
Voltage	0-20 mV			
	4-20 mV			
Instrument Power	90-264 Vac, 50/60 Hz or 8-40 Vac/Vdc, 3 VA			
Operating Environment	32-130°F (0-50°C) with relative humidity 90% or less (non-condensing)			
Physical Specifications	1/32 DIN, 1.89 (48) x 0.95 (24) x 3.98 (102) Max. Panel Thickness 0.39 (10)			

3204

1/32 DIN Temperature Controller *(cont'd.)*

Dimensions



All Dimensions in Inches (mm)

Ordering Information

Complete the Model Number using the Matrix provided.

In Stock:

Model	PCN
3204-71000	305082
3204-11000	305090
3204-77000	305103
3204-71010	305111
3204-11010	305120
3204-77010	305138
3204-71001	305146
3204-11001	305154
3204-77001	305162
3204-71020	305170
3204-11020	305189
3204-77020	305197

Model	1/32 DIN Auto-Tuning PID Controller
3204	Ultra-Compact 1/32 DIN Size, Dual Outputs for Heat, Cool and Alarm, User Selectable Sensor and Process Inputs, Autotune PID, NEMA 4X Front Panel, 4 Digit Display, Program Security
Code	Outputs 1 and 2, Control Output or Alarm
11	Two Relays, Output 1, 2 Amps at 250 Vac, Output 2, 1 Amp at 250 Vac
71	Solid State Relay Drive, 5 Vdc, 10mA; Relay 2 Amps at 250 Vac
77	Two Solid State Relay Drives, 5 Vdc, 10 mA
Code	
0	Add to complete model number
Code	Options
0	None
1	RS-485 Digital Communications Interface
2	RS-232 Digital Communications Interface
Code	Power Supply
0	90-264 Vac
1	8-40 Vac/Vdc
3204 - 71 0 1 0	Typical Model Number