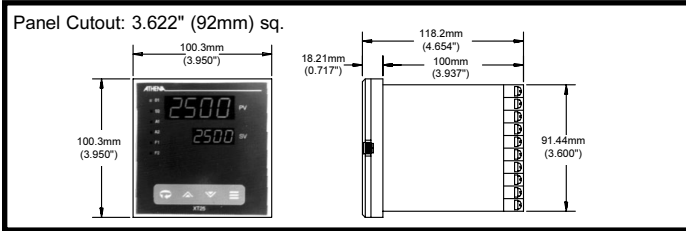




# 1/4 DIN TEMPERATURE CONTROL SPECIFICATIONS & PRICES



Selectable Inputs	
Thermocouple	K, J, N, R, T, S Maximum lead resistance, 100 ohms for rated accuracy
RTD	Platinum, 3-wire, 100 ohms at 0°C, DIN curve standard (0.00385)
Linear	Current and voltage (refer to ordering note)

Output Options	
#1 reverse-acting	
#2 direct-acting	
B	Relay 5 A @ 120 Vac 3 A @ 240 Vac
F	4-20 mA, 500 ohms max
S	20 Vdc pulsed
T	Solid-state relay, 120/240 Vac, zero voltage switched, 1A continuous, 10A surge @ 25°C
Alarms	Optically isolated Triac, rated 1 A, 120/240 Vac @ 25°C DC - 20 mA sink or 24 V supply

Performance	
Accuracy	±0.2% of FS, ± one digit
Setpoint Resolution	1 count/0.1 count
Repeatability	±1.0 count
Temperature Stability	5µ V/°C maximum
TC Cold End Tracing	0.05°C/°C ambient
Noise Rejection	Common mode > 100 dB Series mode > 70 dB
Process Sampling	10 Hz (100 ms)

<b>Linear Input:</b> Type L1 to L6 (Refer to Ordering Codes)	
Engineering Units	Scalable, -1999 to 9999
Digital Filtering	0.1, 1.0, or 10 sec
Decimal Position	Selectable, none, 1/10 or 1/100

Control Characteristics	
Setpoint Limits	Limited to configured range of TC and RTD
Alarms	Adjustable for high/low; selectable process or deviation
Rate	0 to 900 sec
Reset	0 to 3600 sec
Cycle Time	0.2 to 120 sec
Gain	0 to 400
Gain Ratio	0 to 2.0 (in 0.1 increments)
Control Hysteresis	1 to 100 (on/off configuration)
Spread (Output 2)	0 to 100 (above setpoint)
Ramp to Setpoint	1 to 100 minutes
Autotune	Operator-initiated from front panel
Manual Control	Operator-initiated from front panel

General	
Line Voltage	115 to 230 Vac ±10%, 50/60 Hz 115 to 300 Vdc ±10%, (auto polarity)
Display	Dual, 4-digit, Process: orange, 0.55" (14mm) Menu/parameter: green, 0.36" (9.2MM)
Power Consumption	Less than 6 VA (instrument)
Weight	< 15 oz (425 g)
Front Panel Rating	NEMA 4X
Operating Temperature	32 to 131°F (0 to 55°C)
Humidity Tolerance	90% R.H. maximum, non-condensing
Memory Protection	Solid-state, nonvolatile memory
Connections	Input and output via barrier strip, with locking terminals
Contacts	Twin bifurcated, double-wipe

Specifications subject to change without notice.

Input	Range	Code
"K" TC	0 to 2460°F	KF
"K" TC	-18 to 1349°C	KC
"J" TC	0 to 1400°F	JF
"J" TC	-18 to 760°C	JC
"N" TC	0 to 2370°F	NF
"N" TC	-18 to 1299°C	NC
"R" TC	0 to 3200°F	RF
"R" TC	-18 to 1760°C	RC
"T" TC	-200 to 601°F	TF
"T" TC	-129 to 316°C	TC
"S" TC	0 to 3200°F	SF
"S" TC	-18 to 1760°C	SC
100 ohm RTD	-328 to 1562°F	PF
100 ohm RTD	-200 to 850°C	PC
100 ohm RTD	-199.8 to 449.9°F	DF
100 ohm RTD	-128.8 to 232.2°C	DC
1 to 5 V	Scaleable	L1*
10 to 50 mV	Scaleable	L2*
4 to 20 mA	Scaleable	L3*
0 to 5 V	Scaleable	L4*
0 to 50 mV	Scaleable	L5*
0 to 20 mA	Scaleable	L6*

Output 2 Configuration Code		Price	Alarm 1 Configuration Code		Price	Communications Configuration Code		Price
0=None N/C	F=4-20 mA	\$30.00	0=None		N/C	0=None		N/C
B=Relay	S=Pulsed 20 Vdc	\$25.00	B=Relay		\$25.00	A=RS232		\$95.00
T=S.S. Relay			T=S.S. Relay			B=RS485		

Option 1 Configuration Code		Price
0=None		N/C
B=Remote setpoint		\$75.00

Option 2 Configuration Code		Price
0=None		N/C
1=Transducer excitation 10 V		\$75.00
2=Transducer excitation 12V		

Output 1 Configuration Code		Price
0=None	S=Pulsed 20 Vdc	N/C
B=Relay	T=S.S. Relay	\$25.00
F=4-20 mA		

Alarm 2 Configuration Code		Price
0=None		N/C
B=Relay		\$25.00
T=S.S. Relay		

Replacement Outputs		Part No.	Price
B=Relay		OUTPUT-B	\$35.00
F=4-20 mA		OUTPUT-F	
S=Pulsed 20 Vdc		OUTPUT-S	
T=S.S. Relay		OUTPUT-T	

**BASE PRICE**  
**\$385.00**

\*Both outputs must be ordered with these units.



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