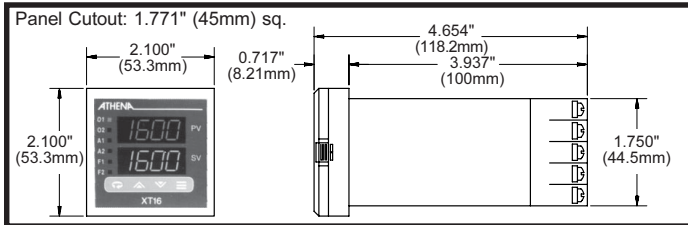




1/16 DIN TEMPERATURE CONTROL SPECIFICATIONS & PRICES



Available 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 & Y 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 (use a RC snubber when driving a mechanical or mercury relay)

Alarms Solid-state relay 1 A, 120/240 Vac @ 25°C Relay 5 A @ 120 Vac 3 A @ 240 Vac

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 > 70 dB Series mode > 70 dB

Process Sampling 10 Hz (100 ms)

Linear Input: 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, 9.2mm
Process: orange
Menu/parameter: green

Power Consumption Less than 6 VA (instrument)

Weight < 8 oz (227 g)

Front Panel Rating NEMA 4X

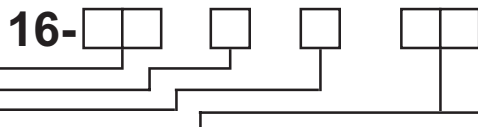
Operating Temperature 32 to 131°F (0 to 55°C)

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



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

Output 1 Configuration Code	Price
0=None	N/C
S=Pulsed 20 Vdc	
B=Relay	\$25.00
T=S.S. Relay	
E=0-20 mA	\$30.00
F=4-20 mA	

Output 2 Configuration Code	Price
0=None	N/C
B=Relay	\$25.00
S=Pulsed 20 Vdc	
T=S.S. Relay	
E=0-20 mA	\$30.00
F=4-20 mA	
Y=Relay (N.C.)	

Options	Price
00=None	N/C
Dual Alarms	
10=Dual S.S. Relay (N.O.)	\$40.00
20=Floating Transistor Open Collector Switch	
21=24 Vdc drive	
23=Single Relay	
Communications	
30=RS-232	\$95.00
31=RS-485	
Remote Setpoint Select (w/alarm)	
40=Switch Close	\$75.00
41=Switch Open	
42=5 volt Input	
Transducer Excitation	
50=10 Vdc	\$75.00
51=12 Vdc	
52=15 Vdc	
53= 5 Vdc	

Options	Price
Process Value Retransmit	\$75.00
60=4 to 20 mA	
61=1 to 5Vdc	
62=0 to 20 mA	Consult Factory
63=0 to 5 Vdc	
Heater Break*	
71=10 to 60 A	

*Requires Current Transformer #580E023U01.....\$56.00

BASE PRICE
\$230.00



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