FUNCTIONAL SPECIFICATIONS	Control Action	1) PID 2) On-Off
	Proportional Band (P): 1.0 to 400.0°	
	Integral Time (I) 0 to 9999 sec	
	Derivative Time (D) 0 to 9999 sec	
	Cycle Time 0.1 to 99.9 sec	
	Hysteresis Width: 0.1 to 99.9°	
	Manual Reset Value: -19.9 to 19.9°	
HEAT COOL	Control Action	PID (with auto-tuning)
	Proportional Band-Cool	0.0 to 400.0°
	Cycle Time-Cool	0.1 to 99.9 sec
	Deadband	Programmable from setpoint low limit to setpoint high limit
SETTINGS FOR ALARM OUTPUT	Modes	Deviation, Absolute
	Hysteresis	0.1 to 99.9°
SUPPLY VOLTAGE	85 to 270V AC/DC (50/60 Hz)	
POWER CONSUMPTION	6VA max @ 230 VAC	
TEMPERATURE	Operating: 0 to 50°C Storage: -20 to 75°C	
HUMIDITY (NON CONDENSING)	95% RH	
WEIGHT:	5 oz.	
PROTECTION LEVEL	IP65 for faceplate	
COMPLIANCE	IEC/EN 61326 (EMI/EMC)	
	IEC/EN 61010 Revision 3 2010 Edition (Safety)	
	UL 61010 Revision 3 2010 Edition (Safety)	

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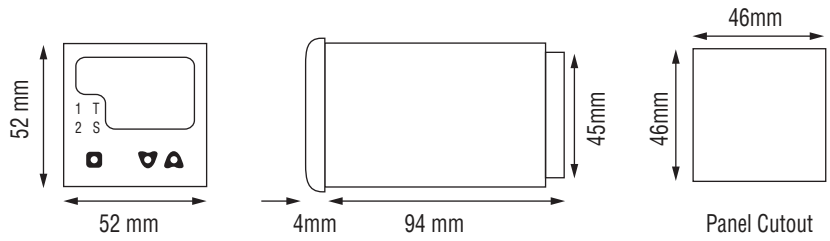
1/16 DIN Temperature Controller

- Dual Display, 4 digit, 7 segment LED
- TC/RTD
- PID ON/OFF Control
- 2 Setpoints
- °C/°F selectable
- Field selectable Control Output (Relay or SSR)
- Auxiliary Output: Relay / SSR
- Easy to Use

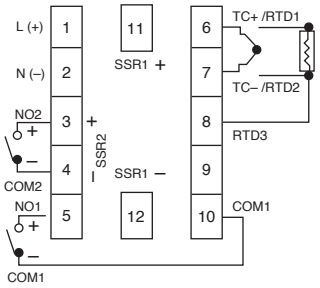
SPECIFICATIONS

DIGITS	4 digit, 7 segment LED Dual Display	
	Height of Upper display: 0.3785"	
	Height of Lower display: 0.2720"	
LED INDICATIONS	Relay On, Tune, Soak Time	
INPUTS	Thermocouple (J,K,T,R,S) / RTD (Pt100)	
SAMPLING TIME	250ms	
INPUT FILTER (FTC)	0.2 to 10.0 sec	
RESOLUTIION	0.1/1 (Fixed 1° for R & S type TC input)	
TEMPERATURE UNIT	°C / °F selectable	
INDICATION ACCURACY	For J, K, & T inputs: 0.25% of F.S. ±1°	
	For R & S inputs: 0.5% of F.S. ±2° (20 min of warm up time for TC inputs)	
	For RTD inputs: 0.1% of F.S. ±1° (F.S. = Full Scale)	
OUTPUT SPECIFICATIONS		
	CONTROL	1
	Contact Rating:	5A @250V AC / 30V DC, resistive
	SSR Drive (Voltage Pulse): 12V DC ±10%,m50mA	
	ALARM	1
	Contact Rating:	5A @ 230V AC / 30V DC, resistive
	SSR Drive	12V DC (50mA)

DIMENSIONS



TERMINAL CONNECTIONS



INPUT RANGES (TABLE 1)

FOR RTD

Input		Ranges	
Resolution		1	0.1
Pt100	°C	-150 to 850	-150 to 850
	°F	-238 to 1562	-199 to 999

FOR THERMOCOUPLE

Input		Ranges	
Resolution		1	0.1
J	°C	-199 to 750	-199 to 750
	°F	-328 to 1382	-199 to 999
K	°C	-199 to 1350	-199 to 999
	°F	-328 to 2462	-199 to 999
T	°C	-199 to 400	-199 to 400
	°F	-328 to 750	-199 to 750
R & S	°C	0 to 1750	N/A
	°F	32 to 3182	N/A

ORDERING INFORMATION

PART NO.	CONTROL OUTPUT	AUXILARY OUTPUT	SUPPLY VOLTAGE
ATC550S00000	Relay 12V DC SSR	Relay	85-270V AC/DC
ATC550S10000	Relay 12V DC SSR	12V DC SSR	85-270V AC/DC

Note: Other models, options and accessories available. Please consult factory.