

ЕЛЕКТРОЛУКС Electrolux

In Stock: Temperature Controlling Devices

Magnetic Contactors

	Catalog Number	Amp.Rating Per Pole	Number Poles	Coil Voltage
	30D030-1	30	3	120
	30D030-2	30	3	240
	30E030-1	40	3	120
	30E030-2	40	3	240

Features

Magnetic Contactors are used to handle loads which exceed power handling capabilities of line voltage thermostats. Heavy duty copper contacts carry heavy duty currents at line voltages. Holding coils are rated for line voltage but can be furnished for other voltages when specified.

Snap-Action Thermostats Bulb and Capillary

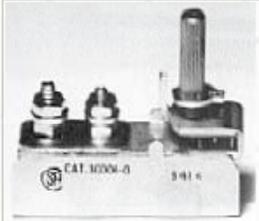


Features

- | Liquid filled bulbs and capillary, non-indicating, adjustable range thermostat
- | 72" capillary length
- | Panel Mount
- | Rating - 20 AMP at 120V or 240V
- | Temperature Range: 32°F (0°C) - 572°F (300°C)
- | 2 1/2 % Differential

Catalog Number: **AC602021HOT1**

SURFACE MOUNT THERMOSTAT

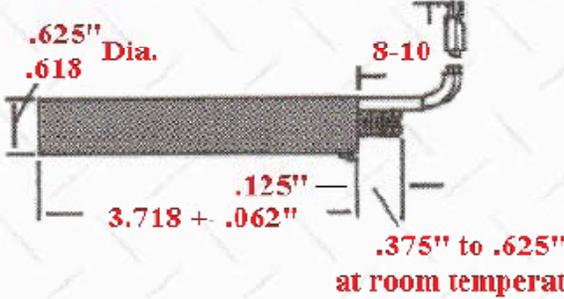
	Catalog Number	Range	Approx. °F/Full Turn Adj. Screw
	30000-0	50 ° to 300°F	250°F
	30000-48	85° to 250°F	175°F
	30002-0	50° to 600°F	575°F

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Features

- | Small size: 2" x 1/2" x 5/8"
- | Economical
- | Sensitive and accurate
- | Fast response
- | Adjustable through temperature range with stop tab to prevent setting in excess of limits
- | Stainless steel shell
- | Mounting bracket included
- | Contacts open on temperature rise
- | 10 amps @ 120 VAC, 5 amps @ 240 VAC

CARTRIDGE THERMOSTAT

	Catalog Number	Sheath Material	Range	Approx. ° F/Full Turn Adj. Screw
	17000-0	Brass	-100° to 400°F	90°F
	17002-0	St. Steel	-100° to 600°F	110°F

Features

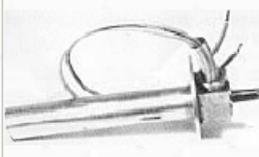
- | Fast response
- | Extreme sensitivity of 0.1°F
- | Vibration resistance
- | Adjustable through temperature range with optional locking device
- | Close control
- | 10 amps @ 120 VAC, 5 amps @ 240 VAC
- | Locating pin prevents unit from turning when adjusting temperature (pin is removable)

HEX HEAD

	Catalog Number	Shell and Head	Range
	17100-0	5/8" x 4 9/32" All Brass	-100° to 400°F
	17102-0	St. St. Shell Brass Head	-100° to 600°F

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FLANGE HEAD

	Catalog Number	Shell and Head	Range
	17300-0	5/8" x 4 9/32" All Brass	-100° to 400°F
	17302-0	St. St. Shell Brass Head	-100° to 600°F

COUPLING HEAD

	Catalog Number	Shell and Head	Range
	18000-0	5/8" x 4 21/32" All Brass	-100° to 400°F
	18002-0	St. St. Shell Brass Head	-100° to 600°F

Series 100, Sub-Panel-Thermocouple Temperature Controller



Description

The Series 100 controller was designed for general purpose commercial and industrial temperature regulating applications. The latest solid state technology and an innovative modular packaging concept has produced a uniquely flexible family of controllers. Low cost, a choice of many standard features and fast delivery make this series of controllers equally attractive to both the OEM and the end users.

Features

- 1 120/240 VAC power input
- 1 Power and load lamps
- 1 Adjustable span and offset
- 1 Adjustable bandwidth or hysteresis
- 1 Process and setpoint display capability
- 1 Triac output
- 1 Proportioning
- 1 24 V to drive solid state relay
- 1 Designed to UL and CSA standards

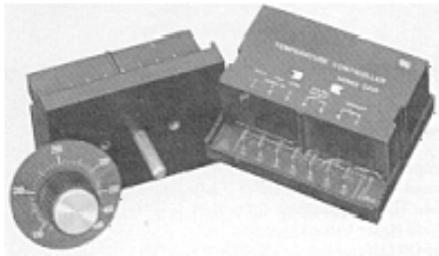
Specifications

- 1 **Power Input:** 115/230VAC±10%, 50/60Hz (field selectable); 24VAC±10% optional
- 1 **Sensor:** Thermocouple, type J
- 1 **Setpoint Range:** 0°F to 1000°F

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- 1 **Control Modes:** Proportioning with adjustable Bandwidth (1°C to 10°C) and cycle rate of 2 sec for Triac or 10 sec for Relay outputs
- 1 **Setpoint Adjustment:** Local Potentiometer
- 1 **Control Accuracy:** Typically better than 0.5% of range
- 1 **Control Stability:** Typically better than $\pm 1^{\circ}\text{C}$ with $\pm 10^{\circ}\text{C}$ change in ambient temperature or $\pm 10\%$ change in line voltage
- 1 **Sensor Fault Protection:** Open sensor causes output to de-energize (Thermocouple)
- 1 **Operating Ambient Temperature:** 0°C to 55°C (32°F to 130°F)

Series 120R, Panel Mounting, Solid State Temperature Controller



Description

The Series 120R Controller is an economical alternative to the fluid filled (bulb and capillary) type thermostat for any application which could benefit from the improved performance and reliability of an electronic temperature control. Its compact, completely enclosed construction with industry standard mounting, integral setpoint pot, high current output capability and wide variety of sensor configurations, make this controller an ideal choice to replace mechanical thermostats in many industrial and commercial applications.

Features

- 1 115/230 VAC power inputs
- 1 UL Class 2 low voltage sensor circuit
- 1 Completely enclosed design
- 1 UL Recognized (File No. E105669)
- 1 24 Volts to drive SSR

Advantages Over Bulb & Cap Thermostat

- 1 Faster Response
- 1 Better Accuracy and Sensitivity

Specifications

- 1 **Power Input:** 115/230VAC $\pm 15\%$, 50/60 Hz (field selectable)
- 1 **Control Mode:** On-Off with 2°F hysteresis typical
- 1 **Setpoint Range:** 0° - 500°F
- 1 **Setpoint Accuracy:** typically better than 1% of span
- 1 **Setpoint Stability:** Typically better than $\pm 1^{\circ}\text{F}$ over allowable operating ambient temperature or with $\pm 10\%$ line voltage variation
- 1 **Sensor:** Type J Thermocouple

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- | **Sensor Fault Protection:** Open or shorted sensor causes output to de-energize
- | **Operating Ambient Temperature:** 0° to 70°C (32° to 158°F)

Digital Indicating Temperature Controller Model 16A 2123, Mini 1/16 DIN Thermocouple Sensing



Specifications

Selectable Inputs: Thermocouple, RTD, DC Voltage, or DC Current selectable

Input Impedance: Thermocouple = 3 megohms minimum.

Current = 10 ohms

RTD current = 200uA

Voltage = 5000ohms

Sensor Break Protection: User determines control output to protect system after customer set time.

Display: Two 4 digit, 7 segment 0.30" high LEDs

Control Action: Reverse (usually heating), Direct (usually cooling) selectable

Proportional Band: 1 to 9999 °F, °C, or counts

Reset Time (Integral): Off or 0.1 to 99.9 minutes

Rate Time (Derivative): Off or 0.01 to 99.9 minutes

Cycle Rate: 1 to 80 seconds

On-Off Differential: Adjustable 1° F, 1° C, or 1 count to full scale in 1° F, 1° C, or 1 count steps

Alarm On-Off Differential: 1° F, 1° C, or 1 count

Accuracy: ±0.25% of span, ±1 least significant digit

Supply Voltage: 100 to 240 VAC, nominal., +10-15%, 50 to 400 Hz. Single phase; 132 to 240 VDC, nominal., +10-20%.

Power Consumption: 5VA maximum

Operating Temperature: -10 to +55° C (+14 to 131° F)

Storage Temperature: -40 to +80° C (-40 to 176° F)

Control Output Ratings:

Relay: SPDT, 3A @ 240 VAC resistive; 1.5 A @ 240 VAC inductive;

Pilot Duty Rating: 250 VA 2 A @ 120 VAC or 1 A @ 240 VAC

Alarm Relay: SPST, 3 A @ 240 VAC resistive;

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1.5 A @ 240 VAC inductive; Pilot Duty Rating: 240

VA, 2 A @ 120 VAC or 1A @ 240 VAC

Switched Voltage (isolated): 15 VDC @ 20 mA

Panel Cutout: 45 mm x 45mm (1.775" x 1.775")

Depth Behind Mounting Surface: 115.3mm (4.54")

Weight: 227 g (8 oz)

Front Panel Rating: Type 4X, (IP65)

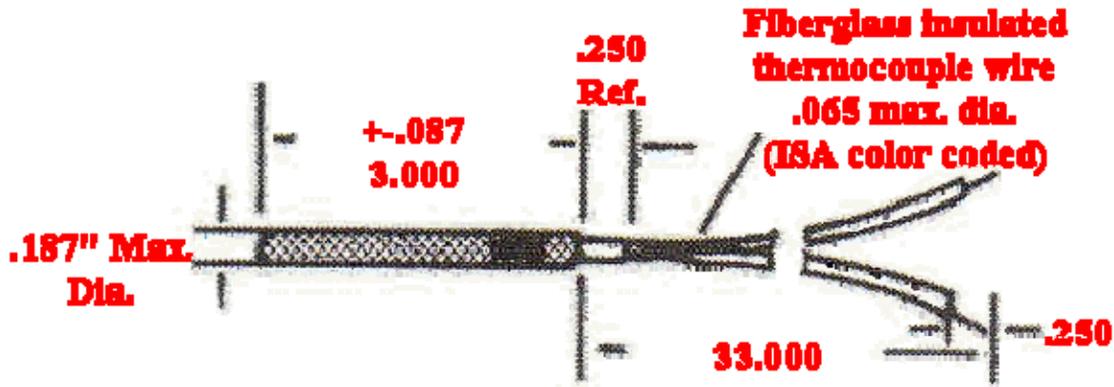
SOLID STATE RELAYS



Features

- | 3-32 VDC Input
- | 600 volt blocking voltage
- | 4000 volt isolation
- | Zero voltage turn-on
- | Built-in snubber
- | 100% tested at rated current
- | High surge capability
- | U.L. recognized
- | C.S.A. certified

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Coupling Head Type

