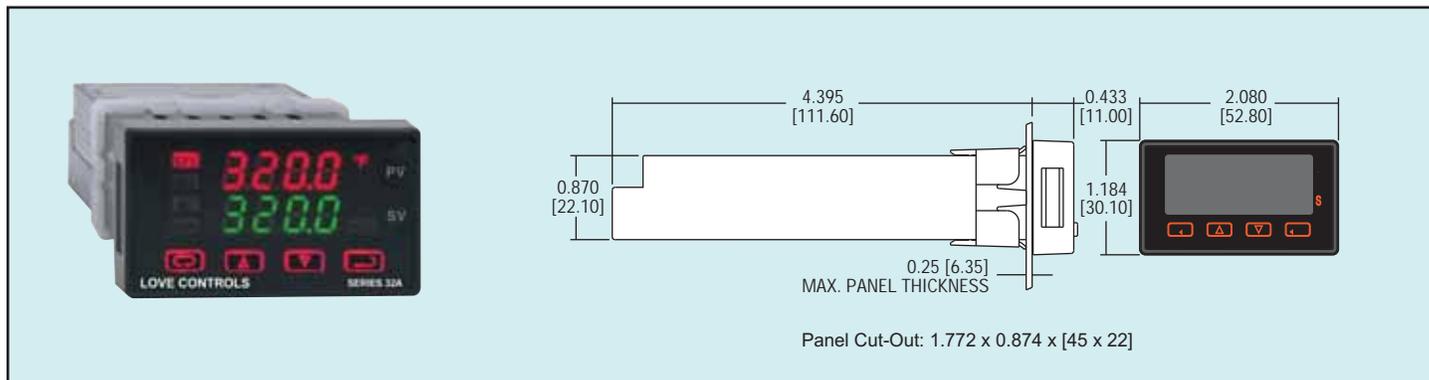




Series 32A

# Temperature/Process Controller

1/32 DIN, Universal Input, Self-Tune, Fuzzy Logic



### STANDARD FEATURES

- Large dual display
- Self-tune
- Fuzzy logic
- Universal input
- Loop break protection
- Peak/valley indication
- Percent output indication
- Illuminated keypad
- 16 segment ramp/soak function
- Auto/manual station function
- Four password protected security levels

The 32A Series temperature/process controllers set a new standard in 1/32 DIN power, flexibility and value. This group of controls offers the highest level of features in the most compact industry standard size. Ease of use is assured with the world's first dual display 1/32 DIN temperature/ process controllers. The Series 32A offers universal input (10 thermocouple types, 4 RTD types, voltage and current), single or dual set point, alarm (optional), Fuzzy Logic, Self-Tune, Peak/Valley indication, Percent Output indication and Heater Break protection. Auto/Manual capability and 16 Segment Ramp and Soak with adjustable time base are also offered. Process protection features include open sensor protection, shorted sensor protection, input rate of change protection and loop break protection.

### SPECIFICATIONS

**Selectable Inputs:** Thermocouple, RTD, DC voltage or DC current selectable.

**Display:** Two 4-digit, 7 segment, 0.259 high (6.35 mm) LEDs.

**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:** 5 VA maximum.

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

**Memory Backup:** Nonvolatile memory. No batteries required.

#### Control Output Ratings:

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

Pilot duty rating: 250 VA, 2A @ 120 VAC or 1A @ 240 VAC.

Switched voltage (non-isolated): 5 VDC @ 20 mA.

Proportional current: 0 to 20 mA DC scaleable into 600 Ohms max.

**Weight:** 4 oz (114 g).

**Agency Approvals:** CE, UL E83725.

**Front Panel Rating:** NEMA 4X (IP66).

### ACCESSORIES

**MN-1,** Mini-Node™ USB/RS-485 converter

**LoveLinks III,** Configuration software

**A-600,** R/C snubber

Model	Alarm	Output A	Output B
32A020	No	5 VDC	None
32A123	Yes	5 VDC	Relay
32A133	Yes	Relay	Relay
32A153	Yes	Current	Relay
32A050	No	Current	None
32A030	No	Relay	None

### OPTIONS (Add to the end of the model number)

-992, RS-485 Serial Communication

-9502, 12-24 VDC/VAC Power Input

TEMPERATURE

Temperature/Process  
Controllers