



Series
16L

Limit Controls

FM Approved, Large Dual Display, Universal Input



The **16L Series Temperature/Process FM Approved Limit Controls** set a new standard in 1/16 DIN limit controls. The 16L offers universal input (10 thermocouple types, 4 RTD types, voltage, and current), single set point or dual set point. Standard features include remote reset capability, peak/valley indication, open sensor protection, input rate of change protection, and much more.

Unit offers 1500 VAC resolution, selectable high or low input, programmable sensor break protection and adjustable differential.

Outputs include normally open (form A) and normally closed (form B) relays. Form A and form B relays can be setup one for each set point output and logically linked to emulate a form C output.

Designed and built in the USA, the 16L family of controls offers the highest levels of features, function, and quality available today.

OPTIONS (Add as a suffix to model number)

-934, Process Signal Output, Isolated 0 to 20 mA DC

-936, Process Signal Output, Isolated 0 to 10 VDC

-992, RS-RS-485 Serial Communications

-993, RS-RS-232 Serial Communications

SPECIFICATIONS

Selectable Inputs: 10 thermocouple, 4 RTD, DC voltage, or DC current selectable.

Display: Two 4 digit, 7 segment 0.3" (7.62 mm) high 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.

Weight: 8 oz (227 g).

Agency Approvals: FM, cUL, UL.

Front Panel Rating: NEMA 4X (IP66).

| Model | Output A | Output B |
|---------|-------------|-------------|
| 16L2030 | N.O. Relays | None |
| 16L2034 | N.O. Relays | N.C. Relays |

ACCESSORY

A-600, R/C snubber