



LEOPARD FAMILY

TEXMATE

DL-40H

Leopard Temperature Meter 4 Digit 0.56" or 0.8" LEDs in a 1/8 DIN CASE

Large display option
0.8" red or green LED

An economically smart temperature meter relay for
J, K, R, and T type thermocouples and RTD inputs.

General Features

- Thermocouple (J, K, R and T types) or RTD (Pt-100. 385 and 392 curves. 3 wire/4wire). Digitally Linearized.
- Optional isolated 16 bit analog output. User or factory scalable to 4 to 20 mA, 0 to 20 mA or 0 to 10 V across any desired digital span from \pm one count to the full scale range of - 1999 to 9999 (12000 counts).
- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 15-48 V AC / 10-72 V DC (PS2).
- Standard red or optional green or super bright red 4-digit LED
- Red or green 0.8" LED large display option.
- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.
- Two 9 Amp Form C and two 4 Amp Form A relay, or optionally four 4 Amp Form A relays are available.
- UL Listed

Software Features

- Three-button programming from the front panel (UP, DOWN and PROGRAM buttons).
- Three front panel selectable ranges.
- Front panel selectable four-level brightness control of digital display, and setpoint LEDs.
- Four programmable setpoints.
- Relay activation can be selected to occur above (HI) or below (LO) each setpoint.
- Hysteresis setting for all four setpoints. Delay on make and delay on break for SP1 and SP2.
- Peak and Valley. View and Reset.

Input Module Compatibility

There are 2 different Plug-in Modular Input Signal Conditioners for this specialized temperature only member of the Leopard Family. IT10 is for J, K, T and R thermocouples. IT11 is for 3 wire/4 wire Pt-100 RTD inputs.



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Specifications

Input Specs:Depends on Input signal conditioner
A/D Converter:14 bit single slope
Accuracy: \pm (0.05% of reading + 2 counts)
Temp. Coeff.:100 ppm/ $^{\circ}$ C (Typical)
Warm up time:2 minutes
Conversion Rate:5 conversions per second (Typical)
Display:.....**4 digit 0.56" Red LED display (std)**,
 0.56" or 0.8" Red, Green or Super
 Bright Red (optn).
 Range -1999 to 9999 counts.

Polarity:Assumed positive. Displays - negative
Decimal Selection:.....Automatic by resolution select XXX•X
Positive Overage:..Top segments of digital display flash
Negative Overage: Bottom segments of digital display flash
Relay Output:Two 4 Amp Form A relays and two 9
 Amp Form C, or 4 Amp form A relays.

Analog Output:Isolated 16 bit user scalable mA or V
 AIC (mA out)4-20 mA @ 0 to 500 Ω max loop resistance
 AIV (volts out)0-10 V DC @ 500 Ω or higher resistance
Power Supply:AC/DC Auto sensing wide range supply
PS1 (std)**85-265 VAC 50-400Hz / 95-300 VDC @ 3.5W**
 PS215-48 VAC 50-400Hz / 10-72 VDC @ 3.5W

Operating Temp.:0 to 50 $^{\circ}$ C
Storage Temp:-20 $^{\circ}$ C to 70 $^{\circ}$ C.
Relative Humidity:95% (non condensing)
Case Dimensions:1 1/8 DIN, Bezel: 96x48 mm
 (3.78"x1.89")
 Depth behind bezel: 117 mm (4.61")
 Plus 11.8 mm (0.47") for Right-angled
 connectors, or plus 20 mm (0.79") for
 Straight-thru connector.

Weight:6.5 oz., 8.5 oz when packed