DL-40JANUS

LEOPARD FAMILY

A powerful, smart, programmable panel meter can be rescaled with or without an external signal source

Optional Modbus RTU RS-485 serial, analog and relay outputs

DL-40JANUS

NEW

MADE IN U.S.A.

CE

RoHS COMPLIANT

c(UL)us LISTED E469078

0.56" or optional 0.8" large display red or green LED

1/8 DIN 96x48mm Case

AUTO scaling- OFF
MANUAL rescaling-ON
(Lock) ON

With Analog Output Option

COMMON | DIM | ANALOG OUTPUT – | ANALOG OUTPUT +
19 | 18 | 17 | 16

AUTO scaling- (with external signal) **OFF**
MANUAL rescaling- (without external signal) **ON**

With RS-485 Output Option

Relay Outputs | (Lock) ON | COM Ref A+ B–
29 28 27 26 25 24 23 22 | | 19 18 17 16

See Leopard Family Input Signal Conditioning Modules
1 2 3 4 5 6 | 8 9 10 11 | 14 15

SP1 NO | SP1 NO | SP2 NO | SP2 NO | AC Neutral – DC | AC Line + DC
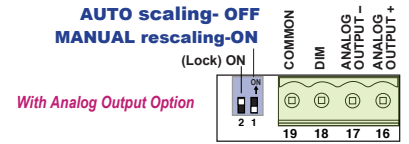
General Features

- External transmitters or signal conditioners can be eliminated by directly connecting of the sensor output to one of Texmate's 29 Plug-in Input Signal Conditioners that include:

  – AC Current – Pressure – Resistance
  – AC/DC Voltage – Process – *Temperature
  – Load Cell – Prototype – 4 to 20 mA

  *See models DL-40-RTD and DL-40-RTD for higher accuracy digitally linearized thermocouple and RTD

- Optional isolated 14 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 ± one count to the full scale range of – 1999 to 9999 (12000 counts).

- Optional Isolated Modbus RTU RS-485 serial communication with selectable baud rate (9600, 19200), address and parity.

- Auto-sensing AC/DC power supply. For voltages between **85-265 VAC / 95-300 VDC (PS1)** or 15-48 VAC / 10-72 VDC (PS2).

- 24 V DC excitation is available to power external transmitters and 5 or 10 V DC excitation is available for resistance bridge type sensors such as Load Cells and Pressure Transducers.

- Standard red or optional green or super bright red 4-digit LED display with range from –1999 to 9999 (12000 counts).

- Red or green 0.8" LED large display option

- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.

- Optional two 9 Amp Form C and two 4 Amp Form A relays or four 4 Amp Form A relays are available.

- Automatic intelligent averaging smooths noisy signals, while providing a fast display response to real input signal changes.

- Three-button programming via the front panel (UP, DOWN and PROGRAM buttons).
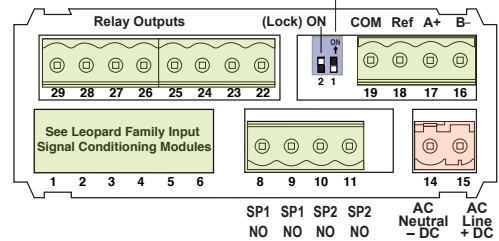
Software Features

- Front panel selectable four-level brightness control for 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.

- Program Lock switch

Specifications

Input Specs:	Depends on Input signal conditioner
A/D Converter:	14 bit single slope
Accuracy:	±(0.05% of reading + 2 counts)
Temp. Coeff.:	100 ppm/°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 (optional) Range –1999 to 9999 counts.
Polarity:	Assumed positive. Displays – negative
Decimal Selection:	Front panel button selectable, X•X•X•X•
Positive Overrange:	Top segments of digital display flash
Negative Overrange:	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 14 bit user scalable mA or V
AIC (mA out)	4-20 mA @ 0 to 500Ω 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 / 95-300 VDC, 50-400Hz @ 3W**
PS2	15-48 VAC / 10-72 VDC, 50-400Hz @ 2.5W
Operating Temp.:	0 to 60 °C
Storage Temp:	–20 °C to 70 °C.
Relative Humidity:	95% (non condensing)
Case Dimensions:	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