



**4 Digit 0.56" or 0.8" LEDs
in a 1/8 DIN CASE**



LEOPARD FAMILY



TEXMATE

DL-40JANUS-DCA

20/50/100/200mV DC Full Scale

DL-40JANUS-DCV

2/20/200V DC Meter

Two scaling methods - **MANUAL** (no external signal source required) and **AUTO** (required an external signal source). Optional Modbus RS-485 serial, analog and up to six relays output.

DC Amp or DC Volt Meter, Transmitter and Controller

General Features

- External transmitters or signal conditioners can be eliminated by direct connection of the sensor output to :
 - DCA
 - ID02 : DC mV $\pm 20\text{mV}$, $\pm 50\text{mV}$, $\pm 100\text{mV}$, $\pm 200\text{mV}$ w/24V Exc.
 - DCV
 - ID01 : DC-Volts **2V/20V/200V** w/24V Exc.
 - ID05 : DC-Volts **2V/20V/200V** w/24V Exc. and Zero offset adjustable pot
- 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 \pm 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).
- Standard red or optional green or super bright red 4-digit LED with display range -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.
- Up to optional six relays in combination of six, four or two 4 Amp Form A relays or two 9 Amp Form C with two 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 from 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: $\pm(0.05\%$ of reading + 2 counts)

Temp. Coeff.:100 ppm/ $^{\circ}\text{C}$ (Typical)

Warm up time:2 minutes

Conversion Rate:5 conversions per second (Typical)

Display:**4 digit 0.56" Red LED display (std)**,
0.56" Green, 0.8" Red/Green, or
0.56" Super Bright Red are optional.
Range 0 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:Up to Six Relays in combination of six,
four or two 4 Amp Form A relays or two
9 Amp Form C with two or four 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 / 95-300 VDC, 50-400Hz @ 3W**

PS215-48 VAC / 10-72 VDC, 50-400Hz @ 2.5W

Operating Temp.:0 to 50 $^{\circ}\text{C}$

Storage Temp.:-20 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$.

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

Certification:UL Listed.