



LEOPARD FAMILY

TEXMATE

DL-40JANUS-ACA DL-40JANUS-ACV

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.

Hi Accuracy Programmable AC Amp or AC Volt Meter, Transmitter and Controller.

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

ACA is scalable to read the Primary CT with a 5 Amp or 1 Amp secondary.

ACV is scalable to read any PT with secondary of 120/240 VAC.
Suitable for power generators and retrofit analog switchboard meters.

General Features

- External transmitters or signal conditioners can be eliminated by direct connection of the sensor output to :
 - AC Current or - AC Voltage
- 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/ $^{\circ}$ 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 Overage:** Top segments of digital display flash
- Negative Overage:** 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**
- PS2** 15-48 VAC / 10-72 VDC, 50-400Hz @ 2.5W
- Operating Temp.:** 0 to 50 $^{\circ}$ C
- Storage Temp.:** -20 $^{\circ}$ C to 70 $^{\circ}$ C.
- Relative Humidity:** 95% (non condensing)
- Case Dimensions:** 1/8 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.