

DL-40JANUS



0.56" or optional 0.8" large display red or green LED
1/8 DIN 96x48mm Case

General Features

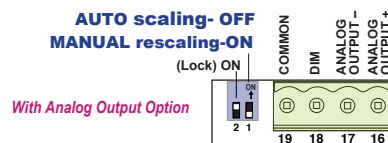
- External transmitters or signal conditioners can be eliminated by directly connecting of the sensor output to one of Texmate's 29 Plug-in Input Signal Conditioners that include:
 - AC Current
 - AC/DC Voltage
 - Load Cell
 - Pressure
 - Process
 - Prototype
 - Resistance
 - *Temperature
 - 4 to 20 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 \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).
- 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

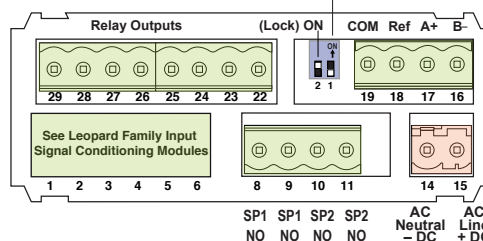
A powerful, smart, programmable panel meter can be rescaled with or without an external signal source

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



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

With RS-485 Output Option



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/°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 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 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