



LEOPARD FAMILY



Large display option 0.8" red or green LED

General Features

- External transmitters or signal conditioners can be eliminated by direct connection of the sensor output to more than 38 Plug-in Input Signal Conditioners that include:
 - AC/DC Current
 AC/DC Voltage
 Process
 Load Cell
 Prototype
 Resistance
 *Temperature
 4 to 20 mA
 - *See models DL-40H for higher accuracy digitally linearized thermocouple and RTD
- 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 ± one count to the full scale range of – 1999 to 9999 (12000 counts).
- Auto-sensing AC/DC power supply. For voltages between 85-265 VAC / 95-300 VDC (PS1) or 15-48 V AC / 10-72 V DC (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 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.
- Two 9 Amp Form C and two 4 Amp Form A relays, or optionally four 4 Amp Form A relays are available.
- Automatic intelligent averaging smooths noisy signals, while providing a fast display response to real level changes.
- 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.

TEXMATE

DL-40

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

An economically smart programmable meter relay with isolated 4 to 20 mA retransmission or control loop output capability for measurement and control applications in a 96x48mm case.

Input Module Compatibility

LEOPARD FAMILY: More than 38 different Plug-in I-Series Input Signal Conditioners are approved for Texmate's Leopard Family of meters.



LEOPARD

See www.texmate.com for an up to date listing.

Specifications

Specifications	5
Input Specs:	Depends on Input signal conditioner
A/D Converter:	
	±(0.05% of reading + 2 counts)
	100 ppm/°C (Typical)
Warm up time:	
	5 conversions per second (Typical)
	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
	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 16 bit user scalable mA or V
	4-20 mA @ 0 to 500Ω max loop resistance
AIV (volts out)	0-10 V DC @ 500 Ω or higher resistance
	AC/DC Auto sensing wide range supply
	85-265 VAC 50-400Hz / 95-300 VDC @ 3W
PS2	15-48 VAC 50-400HZ / 10-72 VDC @ 2.5W
Operating Temp.:	
Storage Temp:	
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

Ordering Information	
Ordering Information	
BASIC MODEL # DISPLAY POWER SUPPLY INPUT	MODULES ANALOG OUTPUT* RELAY OUTPUT* OPTIONS / ACCESSORIES
DL-40 — — — — —	
Add to the basic model number the order code suffix for each standard of options and or accessories that you may require to be included with this pordered with an analog output or a relay output module requires an Output order, with an additional charge of \$7. (See second control of the con	roduct. *Except when when R1 or R2 relav output is selected. a meter
Ordering Example: DL-40-DR-PS1-IA01-AIC-R1-0A2,	
▶ BASIC MODEL NUMBER	
DL-40 96x48, Leopard, 4 Digit	► RELAY OUTPUT MODULES Note: If a meter is ordered with a Relay Output Module, but without Analog
Standard Options for this Model Number	Output, an Output Module Carrier Board for \$7 should be automatically added to the order.
Order Code Suffix Description List	OR11 One 10 Amp Form C Relay, Isolated
► DISPLAY DR Red LED, 0.56 inch high DB Super–bright Red LED, 0.56 inch high. DG Green LED, 0.56 inch high LG Large Green LED, 0.8 inch high. LR Large Red LED, 0.8 inch high	OR15 One 10 Amp Form C and Two 5 Amps Form A Relays OR16 One 10 Amp Form C and One 5 Amp Form A Relays OR12 Two 10 Amp Form C Relays, Isolated Two 10 Amp Form C and Two 5 Amps Form A Relays OR14 Two 10 Amp Form C and Two 5 Amps Form A Relays OR23 Two 10 Amp Form C and One 5 Amp Form A Relay, Isolated OR31 One 5 Amp Form A Relay, Isolated OR31
POWER SUPPLY PS185 - 265VAC / 95 - 300VDC	OR32 Two 5 Amp Form A Relays, Isolated OR33 Three 5 Amp Form A Relays, Isolated OR34 Four 5 Amp Form A Relays, Isolated
► INPUT MODULES (Partial List. See www.texmate.com)	Solid State Relay (SSR) Output Modules DC Only
Unless otherwise specified Texmate will ship all modules precalibrated with factory preselected ranges and/or scalings as shown in BOLD type	OR51 . One 400V DC Solid State Relay (SSR) 210mA
IA01. AC-Volts Scaled RMS, 200/600V AC IA02. AC-Volts Scaled RMS, 200mV/2V/20V AC IA03. AC-mA Scaled RMS, 2/20/200mA AC	OR54 . Four 400V DC Solid State Relays (SSR) 210mA Special Options and Accessories (OA's)
IA04. AC-Amps Scaled RMS, 0-1 Amp AC (0-100.00)	Part Number Description List
IAO3	▶ SPECIAL OPTIONS (Specify Inputs or Outputs & Req. Reading) Output Module Carrier Board *One carrier board must be ordered with any meter that includes any one or more of the following options: Analog Output and/or Relay Output Modules. SA-DL/OM-CB Output Module Carrier Board, DL series
*View the IG- Ordering Code on page 11 to determine the value for Y & Z (IGAZ to IGKZ) IPO1. Process Loop, 4-20mA(0-100.00). IPO2. Process Loop, 4-20mA(0-100.00) w/24VDC Exc. IPO3. Process Input, 1-5V DC(0-100.00) w/Offset, 24V Exc. IPO7. Universal Process 2V/5V/10V/20V/200V/2mA/20mA/Custom IPT1. Prototype Board for Custom Design IRO2. 3-Wire Potentiometer 1K Ω min (0-F.S.). IRO3. Linear Potentiometer, 3-wire, 1K Ω min IRO5. Resistance 2K Ω . ISO1. Strain Gage 5/10VDC Exc., 20/2mV/V, 4/6-wire. ISO2. Pressure 5/10VDC Exc., 20/2mV/V, 4/6-wire. ISO4. Pressure Ext Exc., 20/2mV/V, 4/6-wire. ISO5. Pressure/Load Cell 20/2mV/V, 5/10V Exc 4-wire. ISO6. Pressure/Load Cell Ext Exc., 20/2mV/V, 4-wire. ISO7. Pressure 20/2mV/V with High Impedance and External Excitation	COR-INSTL
► ANALOG OUTPUT *Add \$7 for an Output Module Carrier Board AIC Isolated 16 Bit Current Output, 4-20mA	Prices subject to change without notice.
▶ RELAY OUTPUT Note: R1 and R2 are located on the main board, and are generally used when only two Form A Relays or less are required and an Analogy Output is not required. R1 Single 5A Form A Relay	

WARRANTY

WARRANTY
Texmate warrants that its products are free from defects in material and workmanship under normal use and service for a period of one year from date of shipment. Texmate's obligations under this warranty are limited to replacement or repair, at its option, at its factory, of any of the products which shall, within the applicable period after shipment, be returned to Texmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Texmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Texmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Texmate's liability exceed the original purchase price. The aforementioned provisions do not extend the original warranty period of any product which has been either repaired or replaced by Texmate.

USER'S RESPONSIBILITY

USER'S RESPONSIBILITY

We are pleased to offer suggestions on the use of our various products either by way of printed matter or through direct contact with our sales/application engineering staff. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of Texmate. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any of our suggestions or statements as to application or construction. In no event shall Texmate's liability, in law or otherwise, be in excess of the purchase price of the product.

Texmate cannot assume responsibility for any circuitry described. No circuit patent or software licenses are implied. Texmate reserves the right to change circuitry, operating software, specifications, and prices without notice at any time.