



Large display option
0.8" red or green LED



LEOPARD FAMILY



DL-40RPM

Leopard RPM Meter

4 Digit 0.56" or 0.8" LEDs

in a 1/8 DIN CASE

An economically smart meter relay for RPM measurement.

General Features

- This meter has been designed specifically for RPM measurements. Just enter the pulses per revolution and the DL-40RPM meter will calculate and display the RPM reading.
- Three ranges with resolutions of 0.1 RPM, 1 RPM and 10 RPM (99.99 X 1000 RPM max.).
- 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 9999.
- 24 V DC excitation is available to power external sensors.
- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 15-48 V AC / 10-72 V DC (PS2).
- Standard red or optional green or super bright red 4-digit LED
- Red or green 0.8" LED large display option.
- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.
- Optional relays. Two 9 Amp Form C and two 4 Amp Form A relay, or optionally four 4 Amp Form A relays are available.
- 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.

Input Module Compatibility

There is 1 Plug-in Modular Input Signal Conditioner, IF05, for this specialized RPM only member of the Leopard Family.



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Specifications

Input Specs:Depends on Input Signal Conditioner
A/D Converter:14 Bit Single Slope
Accuracy:±1 count
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 (optn). Range to 9999 counts.
Polarity:Assumed positive.
Decimal Selection:Automatic by selection of resolution
Positive Overrange:Top 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
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 50-400Hz / 95-300 VDC @ 3.5W**
PS215-48 VAC 50-400Hz / 10-72 VDC @ 3.5W
Operating Temp.:0 to 50 °C
Storage Temp.:-20 °C to 70 °C.
Relative Humidity:95% (non condensing)
Case Dimensions:1 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