LEOPARD FAMILY

BL-40H

Leopard Temperature Meter 4 Digit 0.56" LEDs in a 1/16 DIN CASE

An economically smart temperature meter relay for J, K, R, and T type thermocouple and RTD inputs.

General Features

- Thermocouple (J, K, R and T types) or RTD (Pt-100. 385 and 392 curves. 3 wire/4wire). Digitally Linearized.
- 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 V AC / 95-370 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
- Three annunciator LEDs provide front panel alarm status indication for up to three setpoints.
- One 10 Amp Form C and one 5 Amp Form A relay, or up to three 5 Amp Form A relays are available.
- When analog output is installed, one 10 Amp Form C or two 5 Amp Form A relays can be supported.

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.
- Three programmable setpoints.
- Relay activation can be selected to occur above (HI) or below (LO) each setpoint.
- Hysteresis setting for all three setpoints. Delay on make and delay on break for SP1 and SP2.

Input Module Compatibility

There are 2 different Plug-in Modular Input Signal Conditioners for this specialized temperature only member of the Leopard Family. IT10 is for J, K, T and R thermocouples. IT11 is for 3 wire/4 wire Pt-100 RTD inputs.

LEOPARD

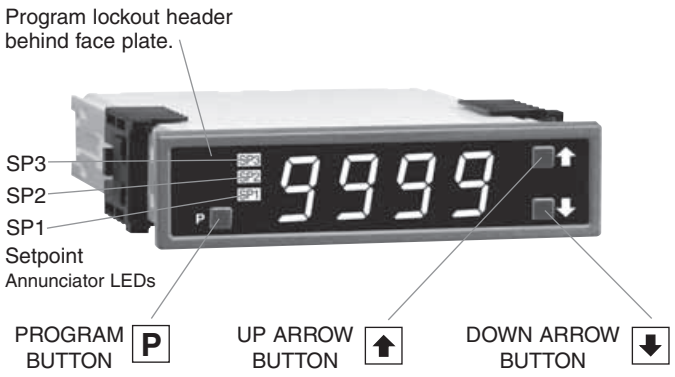
Specifications

Input Specs: .....Depends on input signal conditioner
A/D Converter:.....14 bit single slope
Accuracy:.....±(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" Red, Green or Super Bright Red (optn). Range –1999 to 9999 counts.
Polarity:.....Assumed positive. Displays – negative
Decimal Selection:....Automatic by resolution select XXX•X
Positive Overrange:..Top segments of digital display flash
Negative Overrange:.Bottom segments of digital display flash
Relay Output: .....Three 5 Amp Form A relays or one 10 Amp Form C, and one 5 Amp Form A relay.
Analog Output:.....Isolated 16 bit user scalable mA or V
OIC (mA out).....4-20 mA @ 0 to 500Ω max loop resistance
OIV (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 / 95-370 VDC @ 2.5W max 3.2W**
PS2 .....15-48 VAC / 10-72 VDC @ 2.5W max 3.2W
Operating Temp.:.....0 to 60 °C
Storage Temp: .....–20 °C to 70 °C.
Relative Humidity: ....95% (non condensing)
Case Dimensions:.....1/16 DIN, Bezel: 96x24mm (3.78"x0.95") Depth behind bezel 122.2 mm (4.83") Plus 12.7mm (0.5") for Right-angled connector.
Weight:.....7 oz., 9 oz when packed

Index

Brightness Selection 5
Calibration Procedure 4
Case Dimensions. 10
Component Layout 9
Connector Pinouts 7
Connectors 8
Controls and Indicators 2
Digital Span Selection for Analog Range Output 5
Functional Diagram 7
General Features 1
Glossary of Programming Symbols 2
Input Module Compatibility 1
I-Series Input Signal Conditioning Modules. 10
Ordering Information 12
Other Leopard Family Meters 11
Pin Descriptions 8
Setpoint Setting & Relay Configuration Mode . 6
Software Features 1
Software Logic Tree 3
Specifications 1
Thermocouple or RTD Sensor Type Selection 4
Two Point Analog Output Range Setting and Calibration 5

Controls and Indicators



Front Panel Buttons

Program Button

The P button is used to move from one program step to the next. When pressed at the same time as the ↑ button, it initiates the **calibration mode**. When pressed at the same time as the ↓ button, it initiates the **setpoint setting mode**.

Up Button

When in the operational display, pressing the ↑ button alone allows you to view, but not change, the setting of **setpoint 1**.

When in the **calibration mode** or the **setpoint setting mode** the ↑ button is used to increase the value of the displayed parameter.

Down Button

When in the operational display, pressing the ↓ button alone allows you to view, but not change, the setting of **setpoint 2**.

When in the **calibration mode** or the **setpoint setting mode** the ↓ button is used to decrease the value of the displayed parameter.

Glossary of Programming Symbols

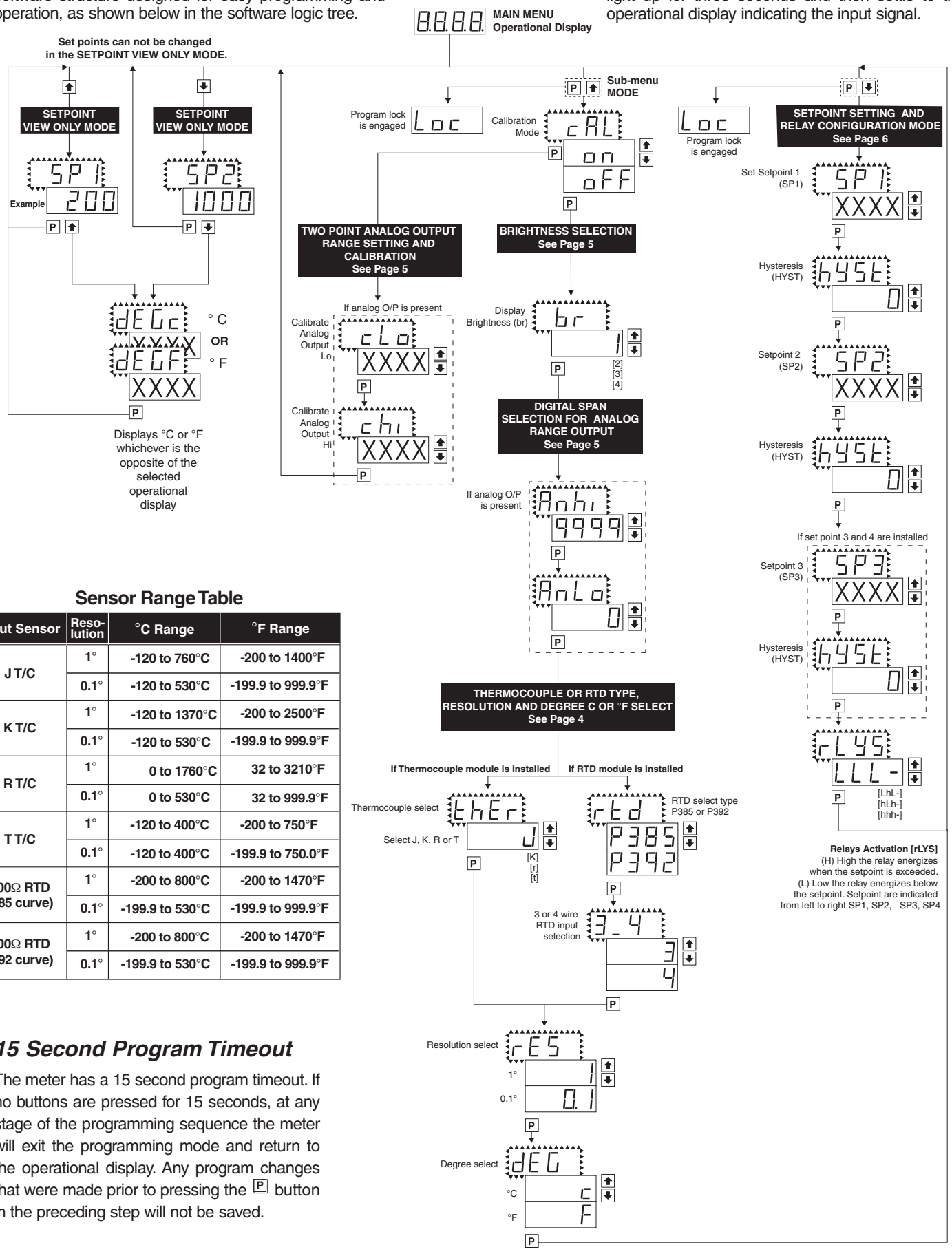
To explain software programming procedures, logic diagrams are used to visually assist in following the programming steps. The fol-lowing symbols are used throughout the logic diagrams to rep-resent the buttons and indicators on the meter:

Symbol	Explanation
8.8.8.8.	This symbol represents the OPERATIONAL DISPLAY.
P	This is the PROGRAM button.
↑	This is the UP button.
↓	This is the DOWN button.
P ↑	When a button is shown, press and release it to go onto the next step in the direction indicated by the arrow. When two or more buttons are shown, each with an arrow, this indicates that there is a number of programming choices.
P ↑	When two buttons are shown side by side and enclosed by a dotted line, they must be pressed at the same time then released to go onto the next programming step.
XXXX 0	If the display is shown with XXXX it means the value displayed will be the previously set value. When a number is shown it indicates the initial factory default setting or a specific "example number".
2Ero 0	When two displays are shown together with bursts, this indicates that the display is toggling (flashing) between the name of the function and the value.
[Span] **[10000]**	Text or numbers shown between square brackets in a procedure indicate the programming code name of the function or the value displayed on the meter display.
0	When the ↑ and ↓ buttons are shown together, the display value can be increased by pressing and releasing the ↑ button or decreased by pressing and releasing the ↓ button.
oFF on	When the ↑ and ↓ buttons are shown with two displays, either display can be selected by pressing and releasing the ↑ or ↓ buttons.
hhh- **[LhL-]** **[hLh-]** **[LLL-]**	When there are more than two display selections they are shown in brackets below the first display and are also selectable by pressing and releasing the ↑ or ↓ buttons.
cLo XXXX P	A dotted box indicates these functions are omitted or bypassed when the related hardware is not present

Software Logic Tree

The BL-40H is an intelligent meter with a hierarchical software structure designed for easy programming and operation, as shown below in the software logic tree.

After the meter has been powered up, the four digits light up for three seconds and then settle to the operational display indicating the input signal.



Sensor Range Table

Input Sensor	Resolution	°C Range	°F Range
J T/C	1°	-120 to 760°C	-200 to 1400°F
	0.1°	-120 to 530°C	-199.9 to 999.9°F
K T/C	1°	-120 to 1370°C	-200 to 2500°F
	0.1°	-120 to 530°C	-199.9 to 999.9°F
R T/C	1°	0 to 1760°C	32 to 3210°F
	0.1°	0 to 530°C	32 to 999.9°F
T T/C	1°	-120 to 400°C	-200 to 750°F
	0.1°	-120 to 400°C	-199.9 to 750.0°F
100Ω RTD (385 curve)	1°	-200 to 800°C	-200 to 1470°F
	0.1°	-199.9 to 530°C	-199.9 to 999.9°F
100Ω RTD (392 curve)	1°	-200 to 800°C	-200 to 1470°F
	0.1°	-199.9 to 530°C	-199.9 to 999.9°F

15 Second Program Timeout

The meter has a 15 second program timeout. If no buttons are pressed for 15 seconds, at any stage of the programming sequence the meter will exit the programming mode and return to the operational display. Any program changes that were made prior to pressing the P button in the preceding step will not be saved.

Thermocouple or RTD Sensor Type Selection

STEP A Enter the Sensor Type Selection Mode Through the Sub Menu [CAL] [oFF]

1) Press the P and ↑ buttons at the same time. Display toggles between [CAL] and [oFF].
2) Press the P button. Display toggles between [Br] and the previous [Br] setting.
3) Press the P button. Display toggles between [AnLo] and the previous [AnLo] setting (if analog output option is installed).
4) Press the P button and depending on the module installed the display will either toggle between [thEr] and the thermocouple selected [J], [K], [R] or [T] or [RTD] and the RTD type selection [P385] or [P392].

STEP B Sensor Type Selection

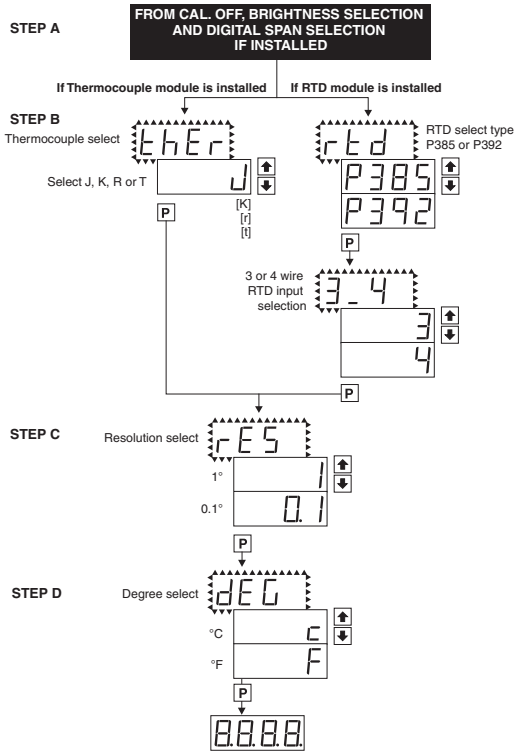
1) Using the ↑ and ↓ buttons, adjust the display to the desired sensor type.
2) Press the P button. Display toggles between [rES] resolution select and previous [rES] setting.

STEP C Set the Resolution

1) Using the ↑ and ↓ buttons, adjust the display to the desired resolution [rES] value.
2) Press the P button. Display toggles between [dEG] and previous [dEG] selection.

STEP D Selection of Degree C or Degree F

1) Using the ↑ and ↓ buttons, adjust the display to either ˚C or ˚F.
2) Press the P button. The meter exits the sensor type selection mode and returns to the operational display.



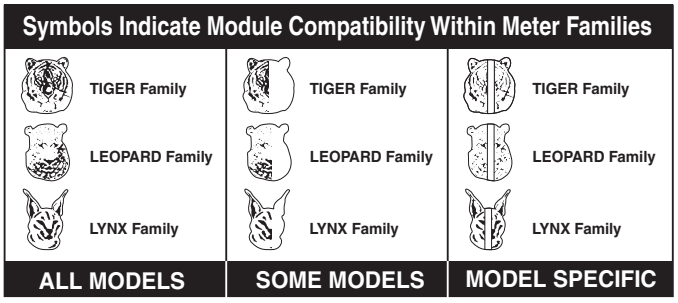
Calibration Procedure

IT10 Thermocouple Input Signal Conditioner installed.

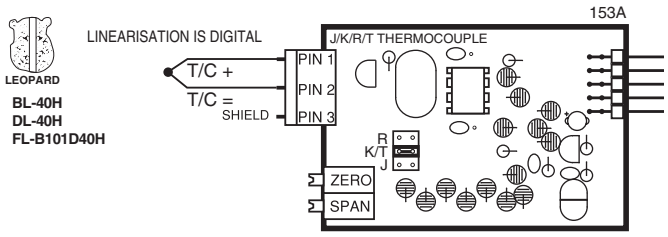
1. Unplug the connector plugs from the meter. Remove the case back panel and slide the PCB out of the case.
2. Select the appropriate header jumper position depending on which thermocouple is to be used. Thermocouple types J, K, R and T are supported. This sets up the correct cold junction compensation.
3. Insert the PCB back into the case. Snap the back panel back into the case. Apply power to the meter.
4. Enter the program mode and select the type of thermocouple (J, K, R, T), the resolution (0.1° or 1°) and the display units ·°C or °F). See the Software Logic Tree on Page 3 of the data sheet for details.
5. Connect a thermocouple simulator to the meter inputs. Apply an input corresponding to 0° and adjust the ZERO Potentiometer to make the display read 0.
6. Apply an input corresponding to the maximum reading of the thermocouple and adjust the SPAN Potentiometer to make the display read correctly.
7. The DL-40H is now calibrated and ready for use. Calibration will have to be performed again if the thermocouple type is changed.

IT11 RTD Input Signal Conditioner installed.

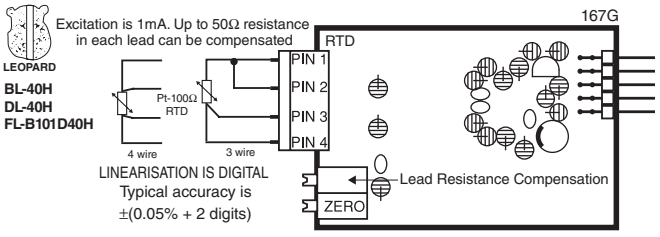
1. Enter the program mode and select the type of RTD (385 or 392 curve and 3-wire/ 4-wire), the resolution (0.1° or 1°) and the display units ·°C or °F). See the Software Logic Tree on Page 3 of the data sheet for details.
2. Connect an RTD simulator to the meter inputs. Apply an input corresponding to 0° and adjust the ZERO Potentiometer to make the display read 0.
3. Introduce a lead resistance of 10Ω in each lead. Adjust the Lead Resistance Compensation potentiometer to make the display again reads 0.
4. The DL-40H is now calibrated and ready for use. Calibration will have to be performed again if the RTD type is changed.



IT10: Thermocouple, J/**K**/R/T, Selectable C/ **F**, **1** /0.1



IT11: RTD, 100Ω Pt. Select **3**/4-wire,°C/°**F, 1**°/0.1°
IT15: RTD, 1000Ω Pt. Select 3/4-wire, °C/°**F, 1**°/0.1°



Two Point Analog Output Range Setting and Calibration

STEP A Enter the Calibration Mode

1) Press the P and ⬆ buttons at the same time. Display toggles between [cAL] and [oFF] if the Analog Output option is installed. If at this point the display skips directly to toggle between [Br] and the previous [Br] setting (STEP D) then the software is detecting that the optional analog output hardware is NOT installed.
2) Press the ⬆ or ⬇ button. Display changes from [oFF] to [on].

STEP B Enter the Analog [oUT] Output Mode

1) Press the P button. Display toggles between [cLo] and an internal scale factor.

STEP C Set or Calibrate the [cLo] Low Analog Output Range

1) Select the voltage or current loop output header position on the output module. (See Component Layout on page 9).
2) Connect a multimeter to pins 8 and 9 on the output module. (See Rear Panel Pinouts on page 8). Using the ⬆ and ⬇ buttons, adjust the analog output to the desired low value as shown on the multimeter display. cLo may be adjusted to any value from –0.3 mA to 17 mA (mA output selected) or from –0.6 V to 8 V (volt output selected)
3) Press the P button. Display toggles between [chi] and an internal scale factor.

STEP D Set or Calibrate the [chi] High Analog Output Range

1) Using the ⬆ and ⬇ buttons, adjust the analog output to the desired high value as shown on the multimeter display. chi may be adjusted to any value from 17 mA to 21 mA (mA output selected) or from 8 V to 10.3 V (volt output selected)
2) Press the P button. The display exits the calibration mode and returns to the operational display.

Note: Having established the Low and High range of the analog output, the digital span can now be selected which will set the two digital points between which the analog output will occur. (See Digital Span Selection below).

Brightness Selection

STEP D Enter the Brightness Mode Through the Sub Menu [cAL] [oFF]

1) Press the P and ⬆ buttons at the same time. Display toggles between [cAL] and [oFF].
2) Press the P button. Display toggles between [Br] and the previous [Br] setting.

STEP E Set the Display Brightness

1) Using the ⬆ and ⬇ buttons, adjust the display to the desired brightness setting (4 is the brightest setting).
2) Press the P button. Display brightness changes to new setting and display toggles between [Anhi] and the previous [Anhi] setting.

Digital Span Selection for Analog Range Output

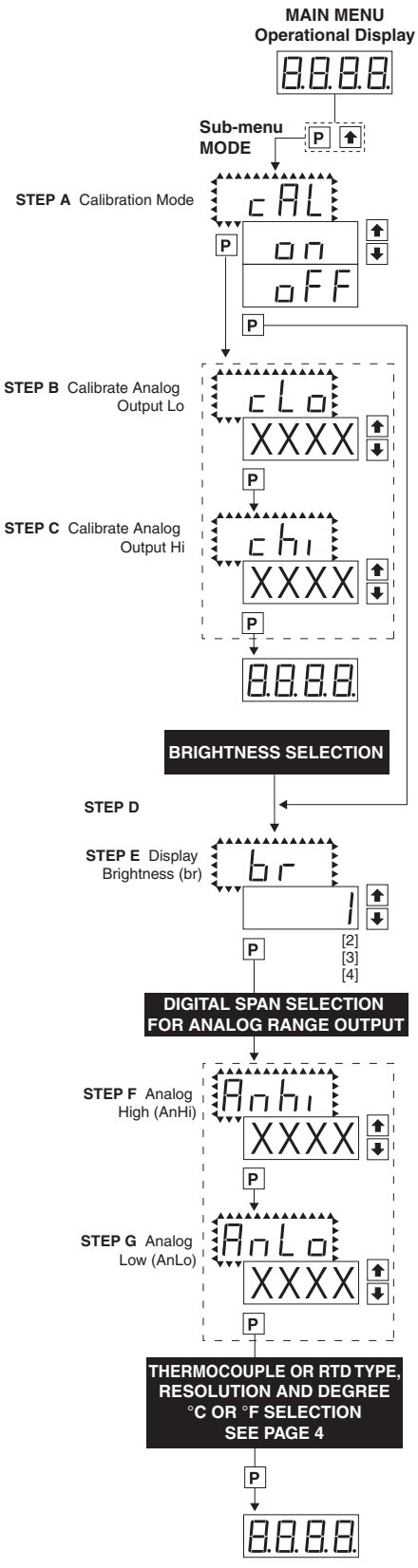
STEP F Setting the Digital Span Point for Analog High Output

1) Using the ⬆ and ⬇ buttons, adjust the display to the desired digital value which sets the point at which the selected analog high output range will occur.
2) Press the P button. Display toggles between [AnLo] and previous [AnLo] setting.

STEP G Setting the Digital Span Point for Analog Low Output

1) Using the ⬆ and ⬇ buttons, adjust the display to the desired digital value which sets the point at which the selected analog low output range will occur.
2) Press the P button. The display exits the calibration mode and returns to the operational display.

Note: Any two digital scale points from –1999 to 9999 can be selected. The digital scale points for analog high and analog low can be reversed for reversed 20-4 mA output. The span of the digital scale can be as small as two counts however small spans cause the 16 bit D to A to increment in stair case steps.



Setpoint Setting and Relay Configuration Mode

The following programming steps are required to enter the setpoint values and configure the relay functions in a meter with four relays using four setpoints. Generally if less than four relays are installed the software auto detects missing relays and deletes reference to them from the menu. In some cases setpoints without relays are operational for display only purposes.

STEP A Enter the Setpoint Mode

1) Press the P and ↓ buttons at the same time.
   Display toggles between [SP1] and the previous [SP1] setting.

STEP B Set Setpoint 1 (SP1)

1) Using the ↑ and ↓ buttons, adjust the display to the desired SP1 value.
2) Press the P button. Display toggles between [HYSt] and the previous [HYSt] setting.

STEP C Set the Hysteresis Setting for Setpoint 1

1) Using the ↑ and ↓ buttons, adjust the display to the desired hysteresis [HYSt] value.
2) Press the P button. Display toggles between [SP2] and the previous [SP2] setting.

NOTE: Half of the Hysteresis value selected is applied above and below the setpoint.

STEP D Set Setpoint 2 (SP2)

1) Using the ↑ and ↓ buttons, adjust the display to the desired SP2 value.
2) Press the P button. Display toggles between [HYSt] and the previous [HYSt] setting.

STEP E Set the Hysteresis Setting for Setpoint 2

1) Using the ↑ and ↓ buttons, adjust the display to the desired hysteresis [HYSt] value.
2) Press the P button. Display toggles between [SP3] and the previous [SP3] setting.

STEP F Set Setpoint 3 (SP3)

1) Using the ↑ and ↓ buttons, adjust the display to the desired SP3 value.
2) Press the P button. Display toggles between [HYSt] and the previous [HYSt] setting.

STEP G Set the Hysteresis Setting for Setpoint 3

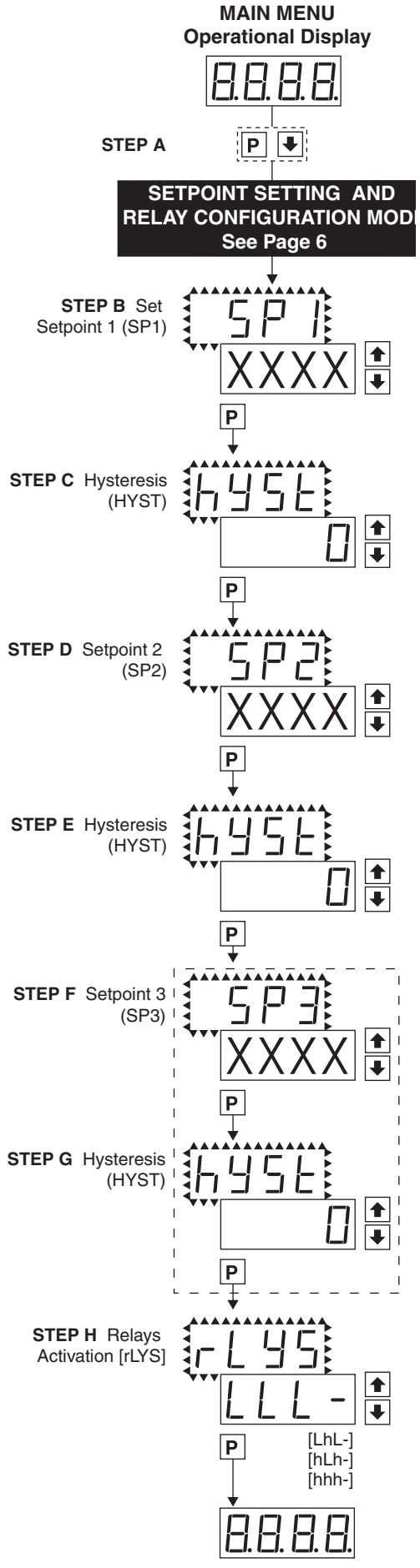
1) Using the ↑ and ↓ buttons, adjust the display to the desired hysteresis [HYSt] value.
2) Press the P button. Display toggles between [HYSt] and the previous [HYSt] setting.

STEP H Set Relay Activation mode [rLYS]

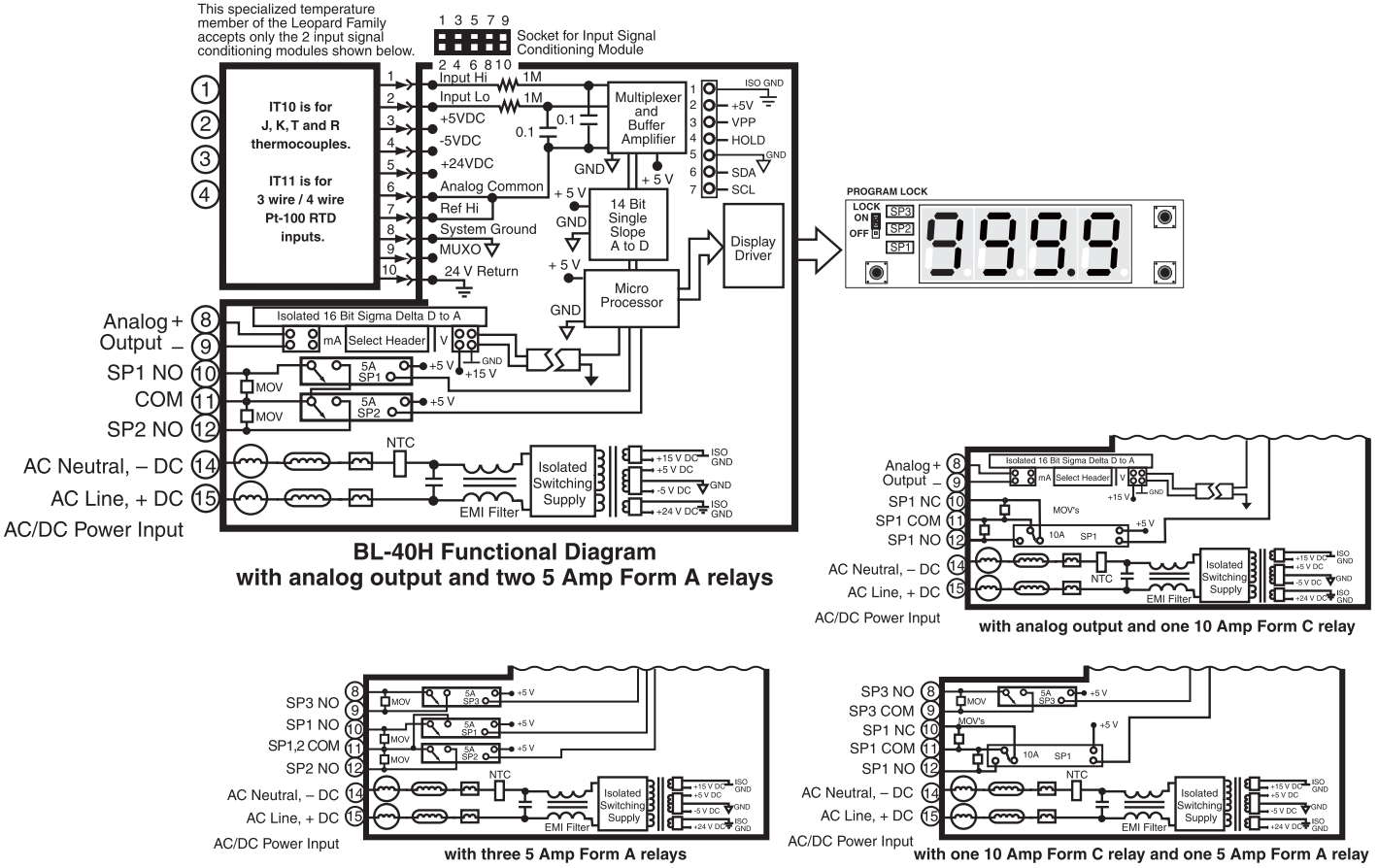
(H) High the relay energizes when the setpoint is exceeded. (L) Low the relay energizes below the setpoint. The setpoint is indicated from left to right SP1, SP2, SP3.

1) Using the ↑ and ↓ buttons, adjust the reading on the display to the desired relay settings: [LLL-], [LHL-], [LLH-], [HHH-].
   If only 2 relays installed [LH] [HL] [HH] [LL].
2) Press the P button.
   The meter exits the setpoint mode and returns to the operational display.

The Setpoint Relay programming mode is now complete.



Functional Diagram



BL-40H Functional Diagram
with analog output and two 5 Amp Form A relays

with analog output and one 10 Amp Form C relay

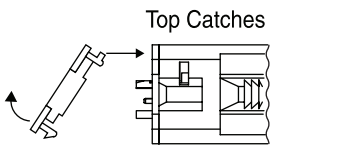
with three 5 Amp Form A relays

with one 10 Amp Form C relay and one 5 Amp Form A relay

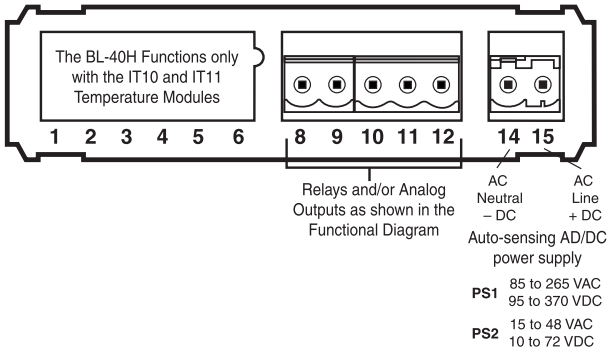
Connector Pinouts

Rear Panel Pinout Diagram

This meter uses plug-in type screw terminal connectors for all input and output connections.



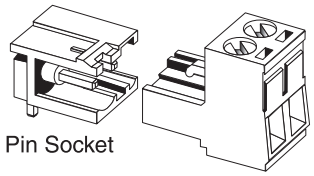
TO REMOVE REAR COVER



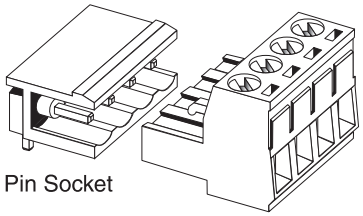
Connectors

The BL-40H uses plug-in type screw terminal connectors for all input and output connections. The power supply connections (pins 14 and 15) have a unique plug and socket outline to prevent cross connection. The main board uses standard right-angled connectors.

Replacement 2-, 3-, and 4-pin plug connectors are available (see Accessories on page 12).



Input Power
Screw Terminal Plug



Right-angled
Screw Terminal Plug

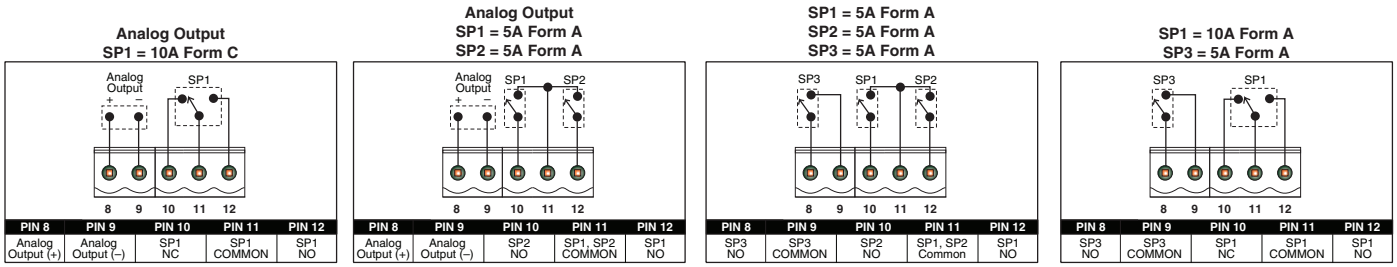
WARNING: AC and DC input signals and power supply voltages can be hazardous. Do Not connect live wires to screw terminal plugs, and do not insert, remove or handle screw terminal plugs with live wires connected.

Pin Descriptions

Input Signal – Pins 1 to 6

Pins 1 to 6 are reserved for the input signal conditioner. See the data sheet for the selected input signal conditioner.

Pins 8 to 12 – Relay and Analog Output Pins

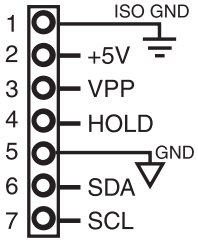


Pins 14 and 15 – AC/DC Power Input

Auto sensing AC/DC power supply. For voltages between 85-265 VAC or 95-370 VDC (PS1).

Pin 14 & Pin 15 - AC/DC Power Input: These pins are the power pins of the meter and they only accept a special polarized screw terminal plug that can not be inserted into any other input socket. The standard meter has a auto sensing AC/DC power supply that operates from 85-265 VAC/95-370 VDC (PS1 Std). An optional isolated low voltage power supply that operates from 15-48 VAC/10-72 VDC (PS2) is also available.

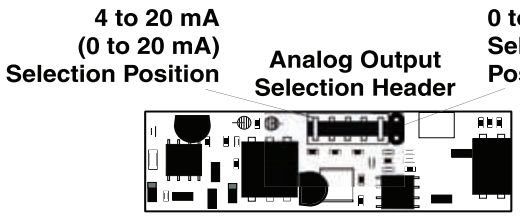
Internal Header Pin out



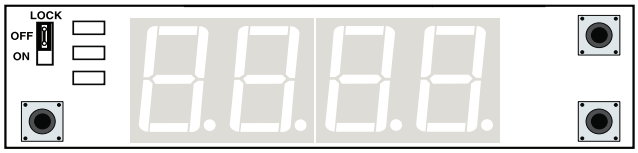
Internal header pins 1, 2, 3, 6, and 7 are for factory settings only. Not for external use!

4 HOLD. By connecting the HOLD pin to the GND pin, the displayed reading is frozen, however, A/D conversions continue. When the HOLD pin is disconnected from the GND pin, the correct reading is displayed.

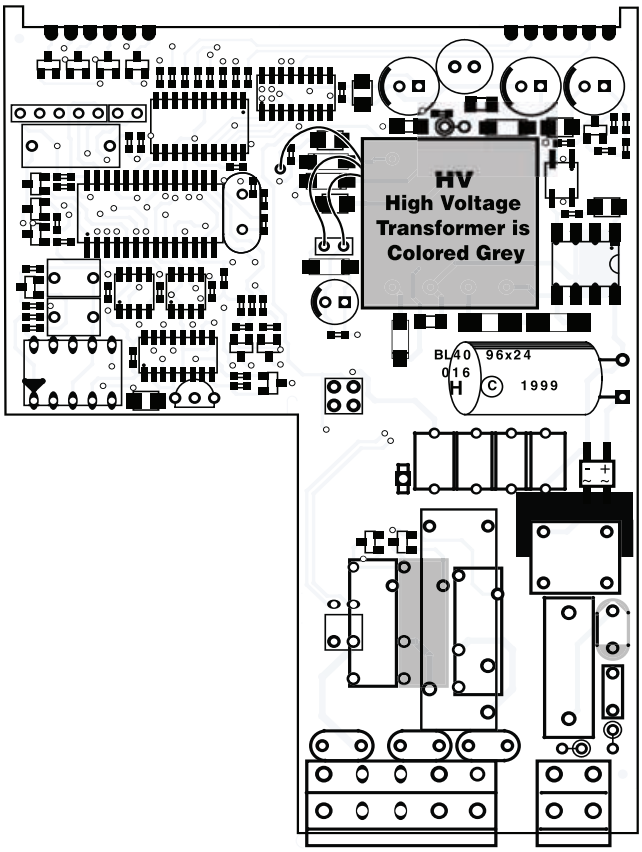
5 GND. This pin is connected to the internal power supply ground.



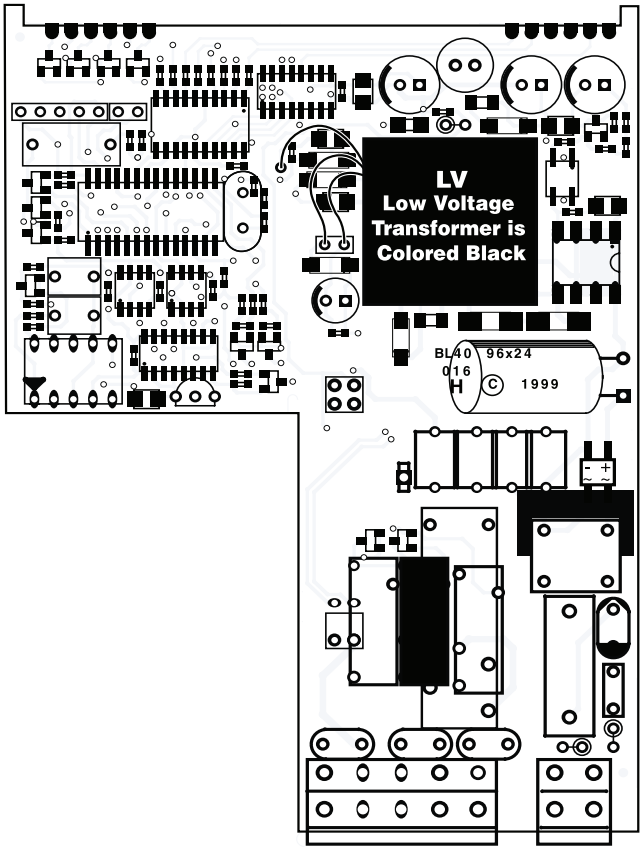
Optional Analog Output Module



Display Board Front View



PS1 High Voltage Main Board



PS2 Low Voltage Main Board

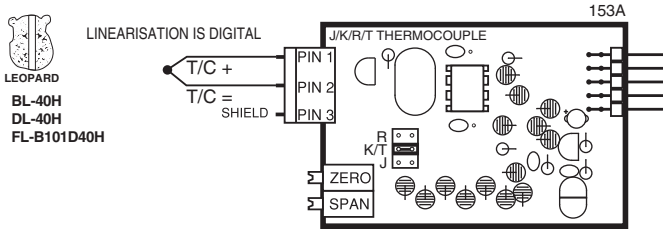
Symbols Indicate Module Compatibility Within Meter Families		
TIGER Family LEOPARD Family LYNX Family	TIGER Family LEOPARD Family LYNX Family	TIGER Family LEOPARD Family LYNX Family
ALL MODELS	**SOME MODELS**	**MODEL SPECIFIC**

WARNING: AC and DC input signals and power supply voltages can be hazardous. Do Not insert, remove or handle modules with live wires connected to any terminal plugs.

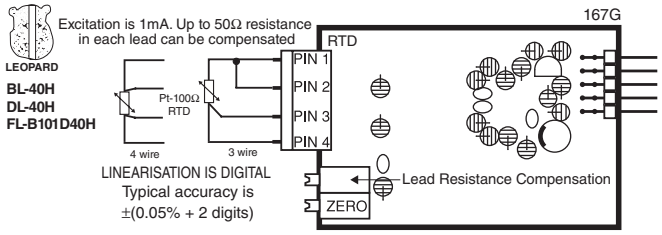
Pre-calibrated **I-Series** input modules, that have span or zero potentiometers, can be interchanged between any **I-Series** compatible meter, without recalibration, because all of the analog scaling and reference circuitry is self-contained within the module.

Unless otherwise specified Texmate will ship all modules pre-calibrated with factory preselected ranges and/or scalings as shown in **BOLD** type. Other pre-calibrated standard ranges or custom ranges may be ordered. Factory installed custom scaling and other custom options are also available (see Ordering Information, Special Options on last page).

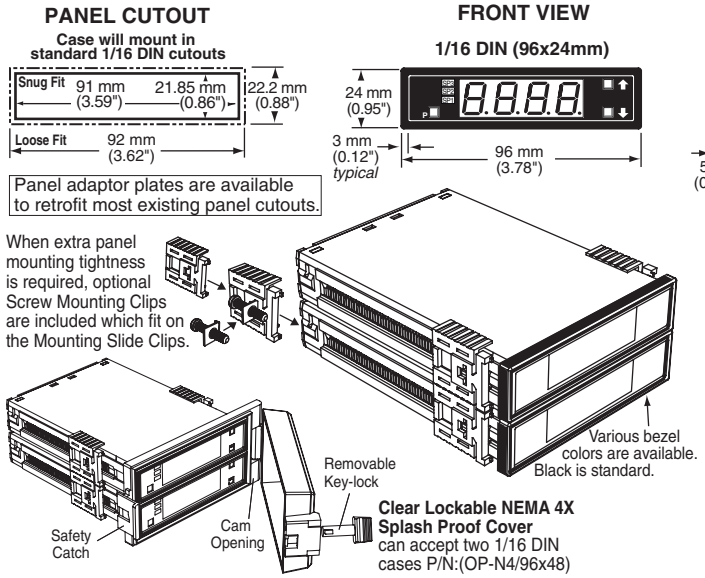
IT10: Thermocouple, J/**K**/R/T, Selectable C/ **F**, **1** /0.1

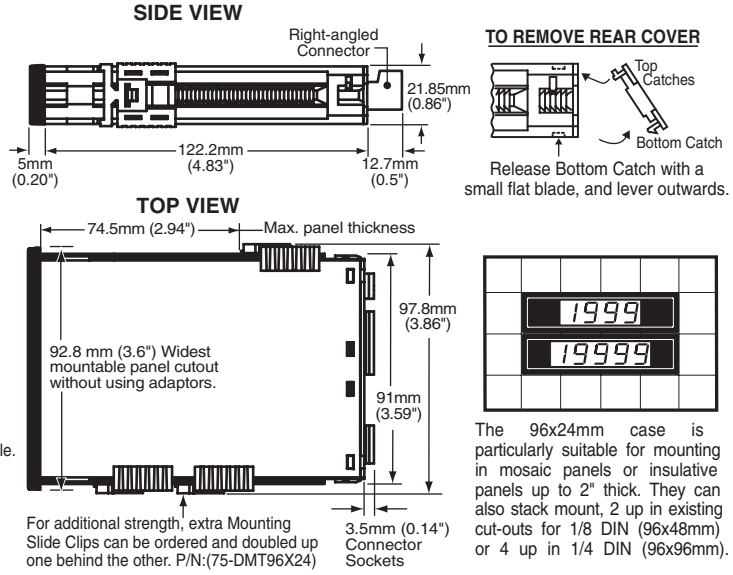


IT11: RTD, 100Ω Pt. Select **3**/4-wire,°C/°**F, 1**°/0.1°
IT15: RTD, 1000Ω Pt. Select 3/4-wire, °C/°**F, 1**°/0.1°



Case Dimensions





Leopard Family Meters and Bargraphs

INTERNATIONAL DIN CASES 1/32 1/32 1/8

Smart, Programmable Bargraph Relays with Isolated 16 Bit 4-20 mA or 0-10 V Outputs

▼ FL-B202Q
Red or Green Display

NEW!

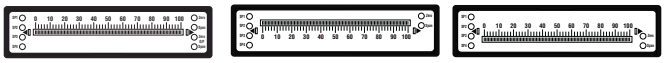
▼ FL-B101Q
Red or Green Display for Left, Right and Center Bar
Tri-Color option for Center Bar only

▼ FL-B101D40 Programmable Tri Color or Mono Color, Red or Green Display

▼ PL-B101D40 Red Display Shown with Optional white face plate. Black is standard.

BL-B51D40
Red Display ▼

9/64 DIN 36x144 mm (1.42"x5.69")



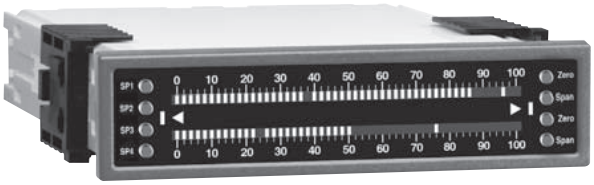
3/32 DIN 24x144 mm (0.95"x5.69")

1/16 DIN 24x96 mm (0.95"x3.78")

LEOPARD FAMILY FEATURES

- Smart 4 digit meters, tricolor and mono-color bargraphs
- Front-panel digital scaling, offset, and setpoints
- Bargraph can be independently scaled to a sensitivity of 100 counts full scale within any portion of the digital scale
- Over 38 different I-Series Input Signal Conditioners. For more info, please refer to the "I-Series Input Signal Conditioning Modules" catalog.
- 24 V DC excitation is available to power external 4-20 mA transmitters and 5 or 10 V DC excitation is available for resistance bridge type sensors
- Dual 10 & 5-amp relays, 4 relays total plus 16-bit analog output
- 1/16 DIN meters have one 10 Amp relay or two 5 Amp relays plus 16-bit analog output or an extra 5 Amp relay
- Auto-sensing AC/DC, wide range power supplies, 85-265 V AC / 95-370 V DC or 18-36 V AC / 9-60 V DC
- Quick, easy mounting into any panel thickness
- Direct flush mount into mosaic panels
- Optional NEMA 4X membrane touch screen face plates
- Optional NEMA 4X, IP65 clear polycarbonate lens covers
- Optional metal surround case for DL and FL meters.
- Standard plug-in screw terminal connectors are provided

▲ **FL-B101D40PS with horizontal face plate option**
Programmable Tri Color or Mono Color, Red or Green Display



▲ **FL-B202Q horizontal face plate option**
Red or Green Display

NEW!

BL-40 ▶

▲ **DL-40 w/0.8" display option**

▲ **DL-40 Water Proof Membrane Touch-pad Option**

▲ **DL-40**

Ordering Information

BASIC MODEL #	DISPLAY	POWER SUPPLY	INPUT MODULES	ANALOG OUTPUT	RELAY OUTPUT	OPTIONS / ACCESSORIES
BL-40H						OA____

Add to the basic model number the order code suffix for each standard option required. The last suffix is to indicate how many different special options and or accessories that you may require to be included with this product.

Ordering Example: BL-40H-DR-PS1-IT10-OIC-R1-OA2, the 2 OA's are, CR-CHANGE and a 75-DBBZ96X24

▸BASIC MODEL NUMBER

BL-40H . . 96x24mm, Leopard, 4 Digit, Temperature

Standard Options for this Model Number

Order Code Suffix *Description*

▸DISPLAY

DR . . Red LED, 0.56 inch high
DB . . . . Super–bright Red LED, 0.56 inch high
DG . . . . Green LED, 0.56 inch high

▸POWER SUPPLY

PS1 . 85 - 265VAC / 95 - 370VDC
PS2 . . . 15 - 48VAC / 10 - 72VDC

▸INPUT MODULES (Partial List. See www.texmate.com)

Unless otherwise specified Texmate will ship all modules precalibrated with factory preselected ranges and/or scalings as shown in **BOLD** type.

IT10 . . . Thermocouple, J/**K**/R/T, Selectable °C/**°F**, **1°**/0.1°
IT11 . . . RTD, 100Ω Pt. Selectable **3**/4-wire,°C/**°F**, **1°**/0.1°, 385/392

▸ANALOG OUTPUT*

OIC . . . . Isolated analog 4-20mA (with a Max. Two-5A Form A Relays)
OIV . . . . Isolated analog 0-10VDC (with a Max. Two-5A Form A Relays)
*Note: When either of the Analog Output options is installed, only the R1, R2 and R11 Relay Output options can be co-installed (see below).

▸RELAY OUTPUT

R1 . . . Single 5A Form A Relay
R2 . . . Dual 5A Form A Relays
R3 . . . Three 5A Form A Relays; SP1 & SP2 common**
R11 . . Single 10A Form C Relay
R16 . . Single 10A Form C & Single 5A Form A Relays**
**R3 & R16 cannot be co-installed with Analog Output options.

Special Options and Accessories (OA's)

Part Number *Description*

▸SPECIAL OPTIONS (Specify Inputs or Outputs & Req. Reading)

CR-CHANGE . . . . Calibrated Range Change to another Standard Range
CS-L/40 . . . . . Custom Scaling within any Stnd. or Custom Selectable Range
CSR-L/40 . . . . . Custom Selectable Range Installation or Modification
CSS-L/40 . . . . . Custom Special Scaling beyond the Standard Range
COA-L/SINGLE . . Custom Output - Special Scaling of Analog Output
COR-L/RELAY . . . Custom Output - Relays Installed in Non-Standard Locations
CCP-L/SETUP. . . NRC to Set-up Custom Configuration - Functions, Codes
CCP-L/INSTL . . . Factory Installation - Custom Configuration

▸ACCESSORIES

75-DBBZ96X24 . . . Black Bezel for 96x24mm Case
75-DMTC96X24 . . Side Slide Brackets (2 pc) - extra set, extra strength
ART-FS-S/D/C . . . NRC for artwork & set-up Faceplate/Desc/Co.Logo
ART-FS-S/D . . . . . NRC for artwork & set-up Faceplate/Desc
ART-FS-001 . . . . . Install Custom Faceplate per meter - 1 color
93-PLUG2P-DP. . . Extra Screw Terminal Conn., 2 Pin Power Plug
93-PLUG2P-DR. . . Extra Screw Terminal Conn., 2 Pin Plug
93-PLUG3P-DR. . . Extra Screw Terminal Conn., 3 Pin Plug
93-PLUG4P-DR. . . Extra Screw Terminal Conn., 4 Pin Plug
DN.CAS96X24L. . . Complete 96x24mm Case with bezel
OP-MCLP96X24 . . Screw Mounting Clips (2 pc) - to screw tighten slide brackets
OP-MTLCLIP. . . . . Screw Mounting Clips (2 pc) to screw tighten slide brackets
75-DTP96X24 . . . . . Black Metal Trim Plate (96x24mm Case) 1 Meter
75-DTP2X9624 . . . . . Black Metal Trim Plate (96x24mm Case) 2 Meters
75-DTP3X9624 . . . . . Black Metal Trim Plate (96x24mm Case) 3 Meters

Many other options and accessories are available. See full price list for more details.
Prices subject to change without notice.

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

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.

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