CE

LEOPARD FAMILY

BL-40F

Leopard Frequency Meter 4 Digit 0.56” LEDs in a 1/16 DIN CASE

An economically smart meter relay for frequency measurement.

General Features

- Frequency input. Easily user scaled.
- For RPM measurements, the recommended meter is the BL-40RPM meter which has been designed specifically for that purpose. Just enter the pulses per revolution and the BL-40RPM meter will calculate and display the RPM reading.
- Three frequency ranges of 99.99Hz, 999.9Hz and 9999Hz.
- 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 **85-265V 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.
- Optional relays. 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.
- Peak and Valley. View and Reset.

Input Module Compatibility

There are 2 Plug-in Modular Input Signal Conditioners for this specialized frequency only member of the Leopard Family: IF05 & IF08.

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

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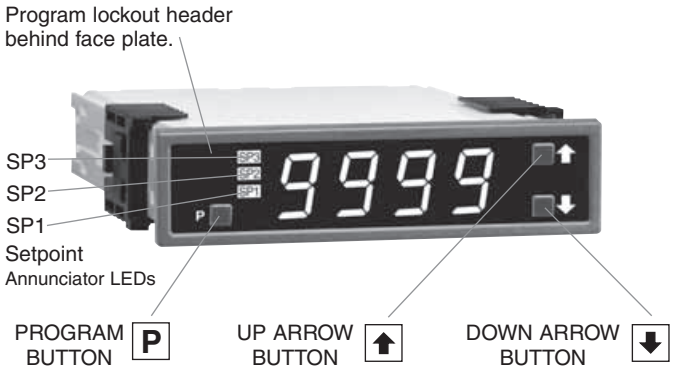


Front Panel Buttons

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

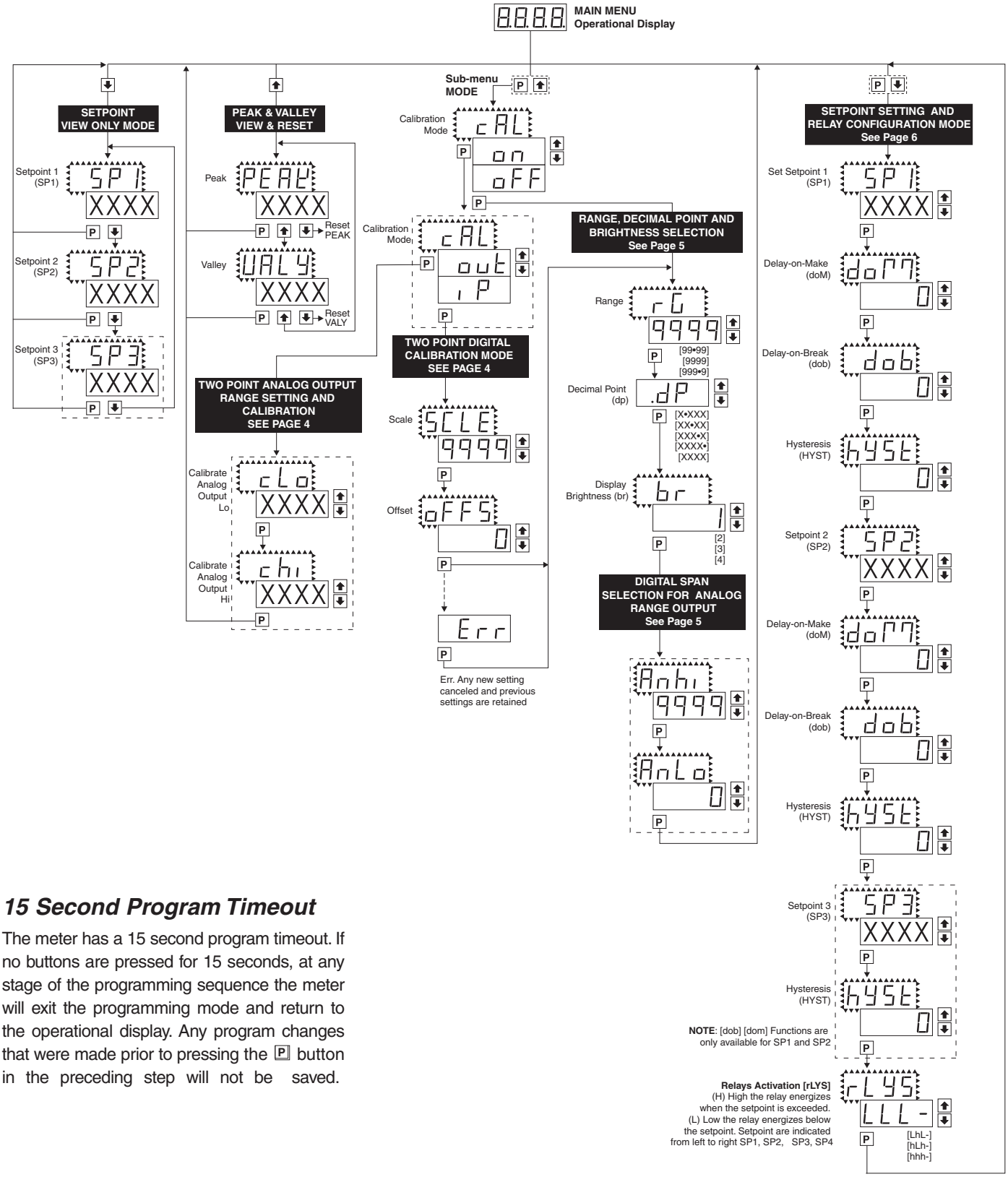
To explain software programming procedures, logic diagrams are used to visually assist in following the programming steps. The fol-lowing symbols are used throughout the logic diagrams to represent the buttons and indicators on the meter:

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".
Offset oFF5 / 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.
[ScLE] **[9999]**	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-40F 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.



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.

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].
2) Press the ⇧ or ⇩ button. Display changes from [oFF] to [on].
3) Press the P button. Display toggles between [cAL] and [out].

Note: If at this point the display skips directly to toggle between [ScLE] and the previous scale setting (STEP D) then the software is detecting that the optional analog output hardware is NOT installed.

STEP B Enter the [oUT] Analog Output Calibration 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

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 16 and 17 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

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 display points between which the analog output will occur. (See Digital Span Selection below).

Digital Calibration Mode

STEP E Enter the Calibration Mode

1) Press the P and ⇧ buttons at the same time. Display toggles between [cAL] and [oFF].
2) Press the ⇧ or ⇩ button. Display changes from [oFF] to [on].
3) Press the P button. Display toggles between [cAL] and [out].

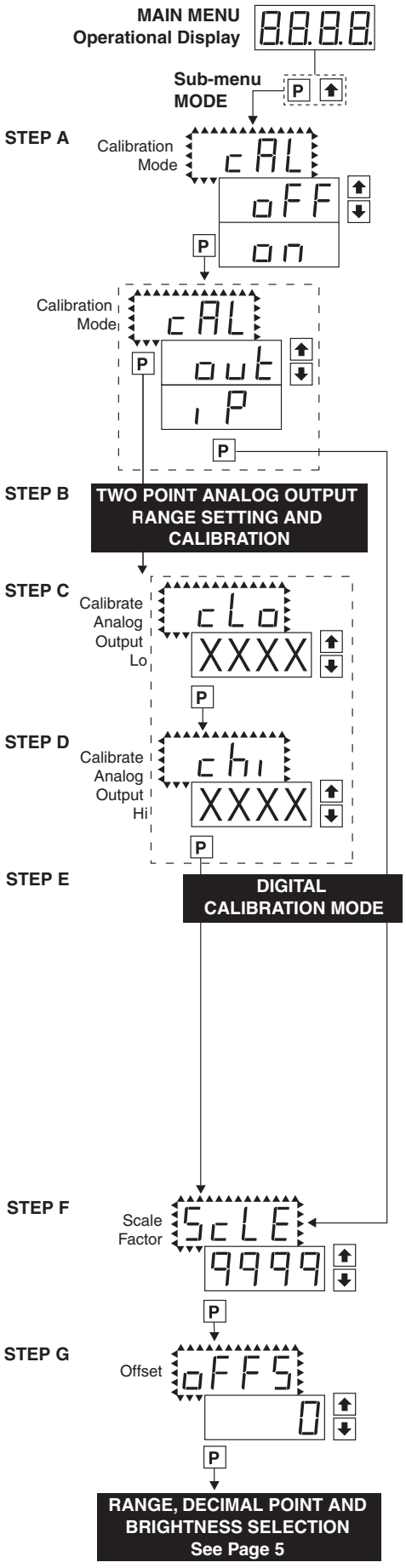
Note: If at this point the display skips directly to toggle between [ScLE] and the previous scale setting (STEP D) then the software is detecting that the optional analog output hardware is NOT installed.

STEP F Set the Scale Factor

1) Press the ⇧ or ⇩ button. Display changes from [out] to [IP].
2) Press the P button. Display toggles between [ScLE] and the previous scale setting.
3) For direct frequency measurement, set the scale to 9999.
   If a display that is scaled to read in engineering units is required, this scale factor may be set to any value from 0 to 9999.

STEP G Set the Offset

1) Press the P button. Display toggles between [oFFS] and the previous offset setting. For direct frequency measurement, set the offset to 0.
   If a display that is scaled to read in engineering units is required, the offset may be set to any value from -1999 to +9999.
2) Press the P button. Display toggles between [rG] and the previous setting. (See page 5 for setting range, decimal point and brightness)



Range, Decimal Point and Brightness Selection

STEP H Enter the Range 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 [rG] and the previous range setting.

STEP I Select the Range

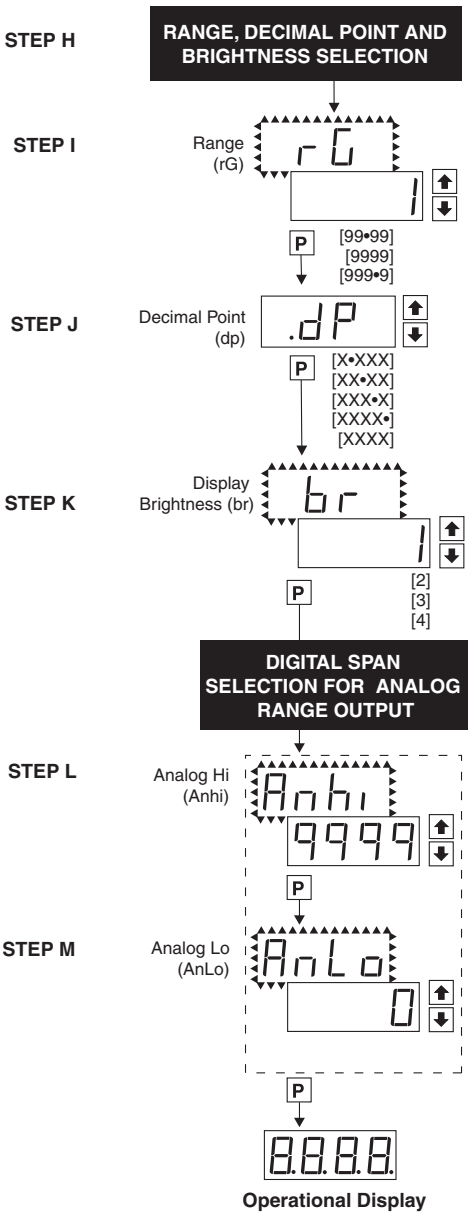
1) Using the ⇧ and ⇩ buttons, select the required range. There are three ranges of 99.99Hz, 999.9Hz and 9999Hz
2) Press the P button. Display shows the previous [dp] decimal point selection.

STEP J Select the Decimal Point

1) Using the ⇧ and ⇩ buttons, adjust the display to the desired decimal point setting.
2) Press the P button. Display toggles between [br] and the previous brightness setting.

STEP K 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 L Set the Display Corresponding to the Analog High Output

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

STEP M Set the Display Corresponding to the Analog Low Output

1) Using the ⇧ and ⇩ buttons, adjust the display to the value 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 points from –1999 to 9999 can be selected for which the specified analog output occurs. The display values for analog high and analog low can be reversed for reversed 20-4 mA output. The difference between the two display points can be as small as two counts however small spans cause the 16 bit D to A to increment in staircase 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 [doM] and the previous [doM] setting.

STEP C Set the SP1 Delay-on-Make (doM) Delay Time Setting

1) Using the ⇧ and ⇩ buttons, adjust the display to the desired [doM] value (0 to 9999 seconds). The reading must continuously remain in an alarm condition until this delay time has elapsed before the relay will make contact (energize).
2) Press the P button. Display toggles between [dob] and the previous [dob] setting.

STEP D Set the SP1 Delay-on-Break (dob) Delay Time Setting

1) Using the ⇧ and ⇩ buttons, adjust the display to the desired [dob] value (0 to 9999
   seconds). The reading must continuously remain in an non-alarm condition until this delay time has elapsed before the relay will break contact (de-energize).
2) Press the P button. Display toggles between [hYSt] and the previous [hYSt] setting.

STEP E 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.

NOTE: Steps F, G, H and J have functionally the same procedure as steps B, C, D, and E shown above.

STEP F Set Setpoint 2 (SP2)
STEP G Set the SP2 Delay-on-Make (doM) Delay Time Setting
STEP H Set the SP2 Delay-on-Break (dob) Delay Time Setting
STEP I 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 J Set Setpoint 3 (SP3) (No [doM] or [dob])

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 K Set the Hysteresis Setting for Setpoint 3

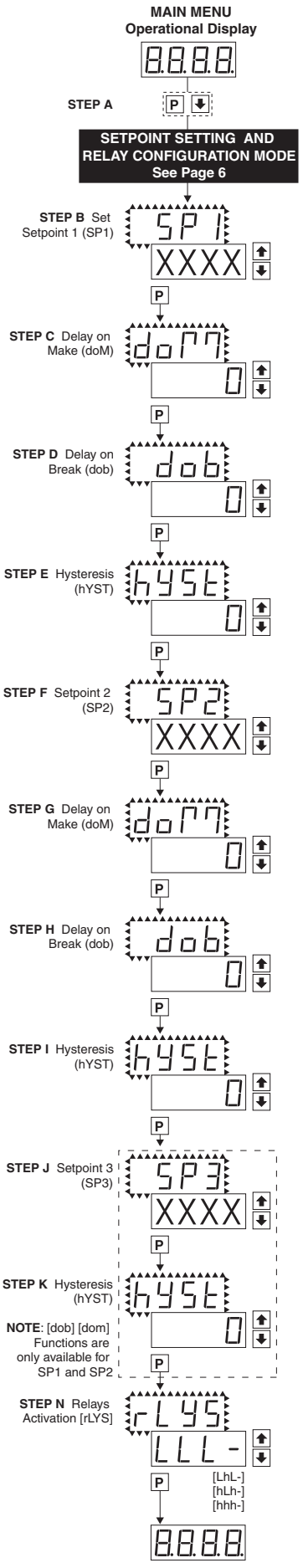
1) Using the ⇧ and ⇩ buttons, adjust the display to the desired hysteresis [hYSt] value.
2) Press the P button. Display toggles between [rLYS] and the previous relay setting.

STEP N Set Relay Activation mode [rLYS]

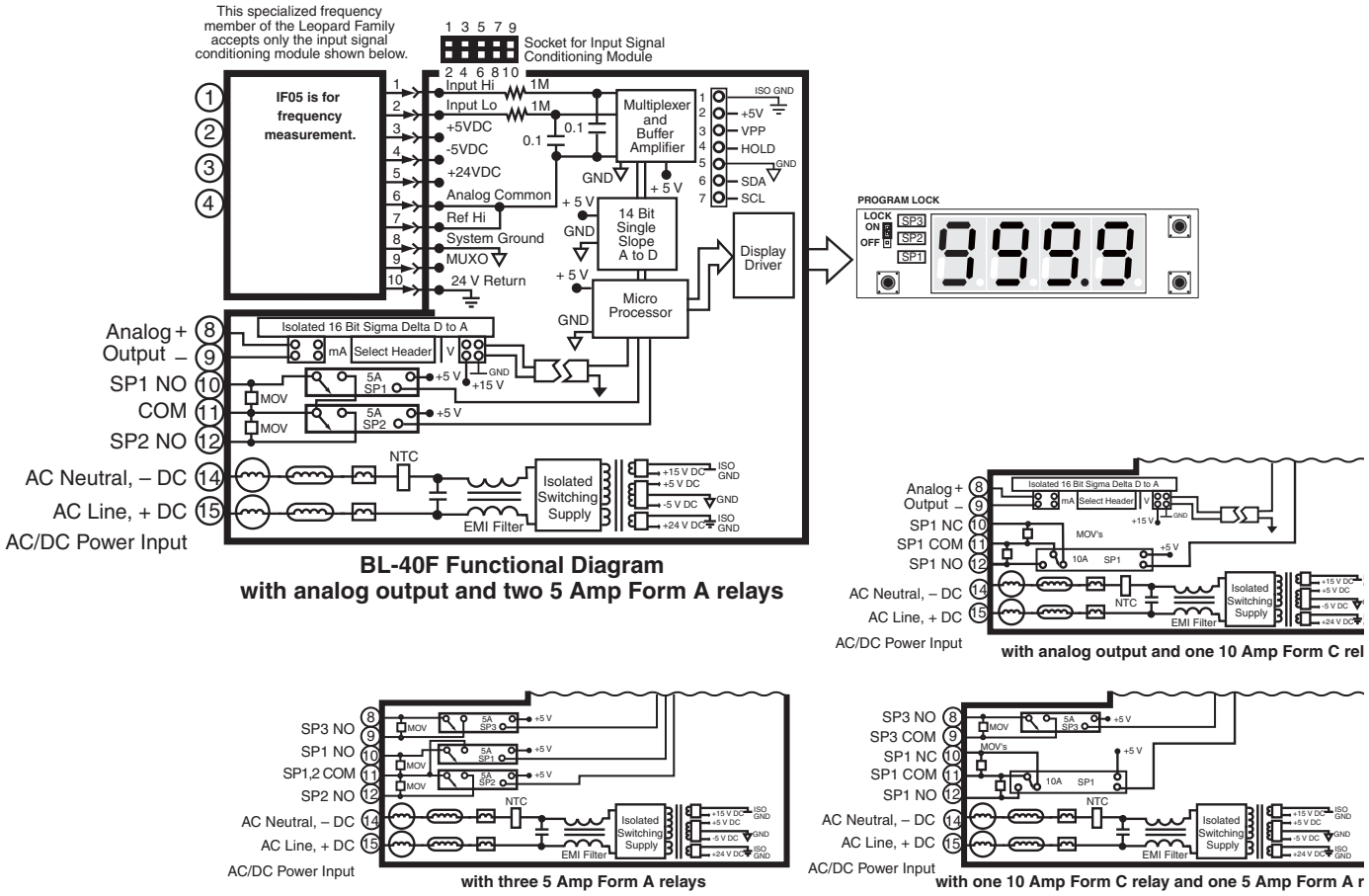
(h) High the relay energizes when the setpoint is exceeded. (L) Low the relay energizes below the setpoint. The setpoint is indicated from left to right SP1, SP2, and SP3.

1) Using the ⇧ and ⇩ buttons, adjust the reading on the display to the desired relay settings: [LLL-], [LhL-], [LLh-], [hhh-].
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.



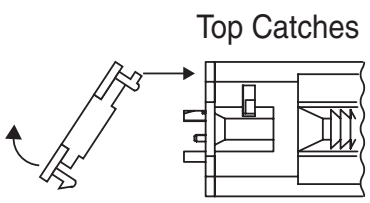
Functional Diagram



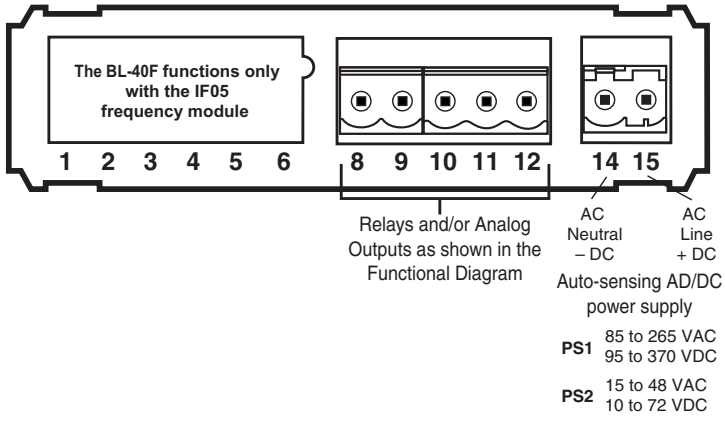
Connector Pinouts

Rear Panel Pinout Diagram

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



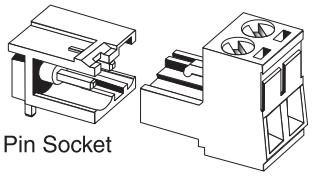
TO REMOVE REAR COVER



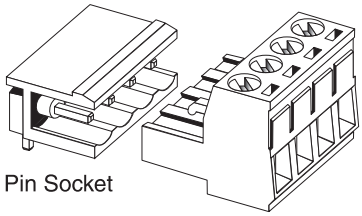
Connectors

The BL-40F 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.

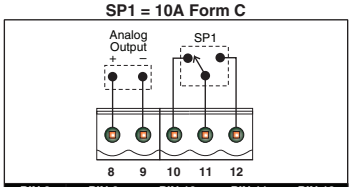
Pin Descriptions

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.

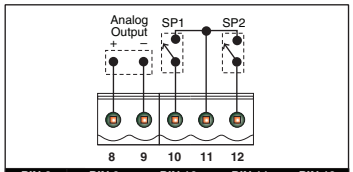
Pins 8 to 12 – Relay and Analog Output Pins

Analog Output
SP1 = 10A Form C



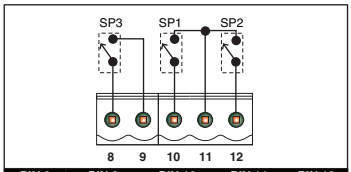
PIN 8	PIN 9	PIN 10	PIN 11	PIN 12
Analog Output (+)	Analog Output (–)	SP1 NC	SP1 COMMON	SP1 NO

Analog Output
SP1 = 5A Form A
SP2 = 5A Form A



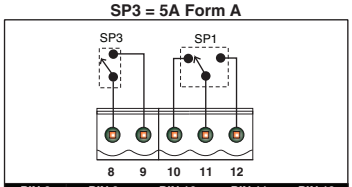
PIN 8	PIN 9	PIN 10	PIN 11	PIN 12
Analog Output (+)	Analog Output (–)	SP2 NO	SP1, SP2 COMMON	SP1 NO

SP1 = 5A Form A
SP2 = 5A Form A
SP3 = 5A Form A



PIN 8	PIN 9	PIN 10	PIN 11	PIN 12
SP3 NO	SP3 COMMON	SP2 NO	SP1, SP2 Common	SP1 NO

SP1 = 10A Form A
SP3 = 5A Form A



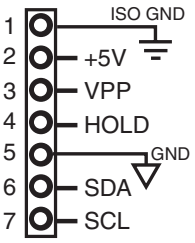
PIN 8	PIN 9	PIN 10	PIN 11	PIN 12
SP3 NO	SP3 COMMON	SP1 NC	SP1 COMMON	SP1 NO

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.

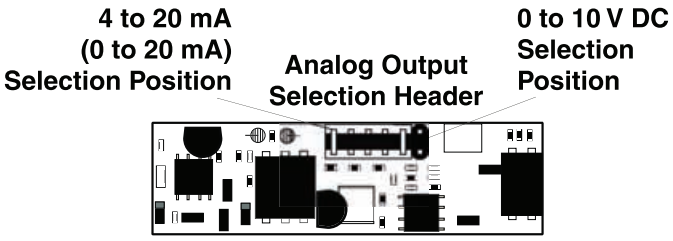
Internal Header Pin out



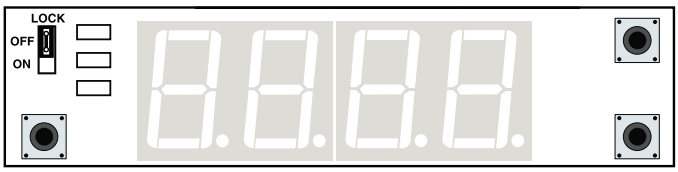
Internal header pins 1, 2, 3, 6, and 7 are for factory settings only. Not for external use!

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.

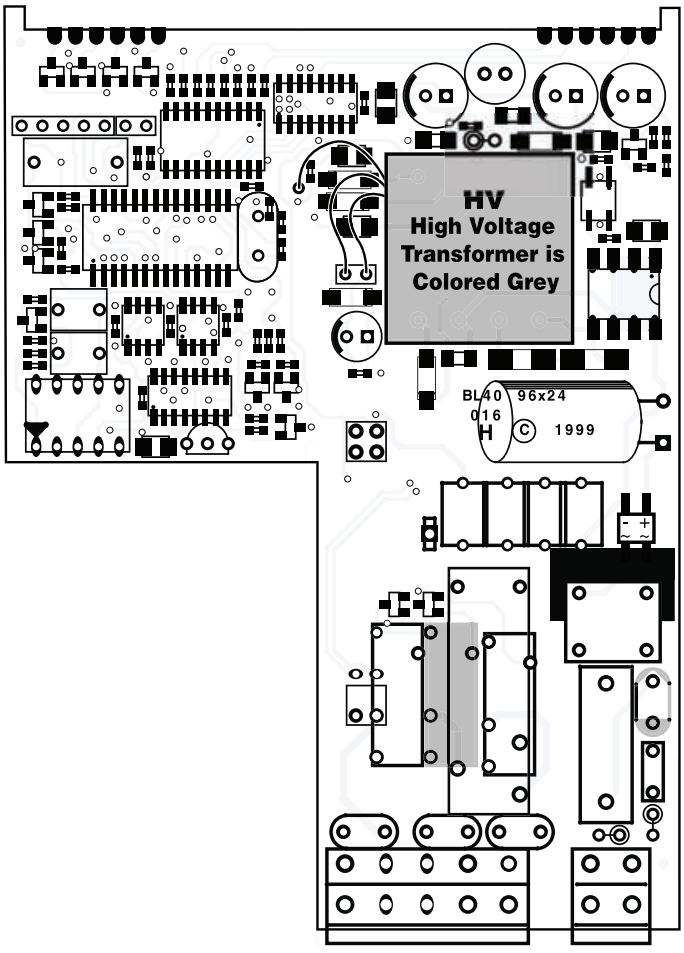
5 GND. This pin is connected to the internal power supply ground.



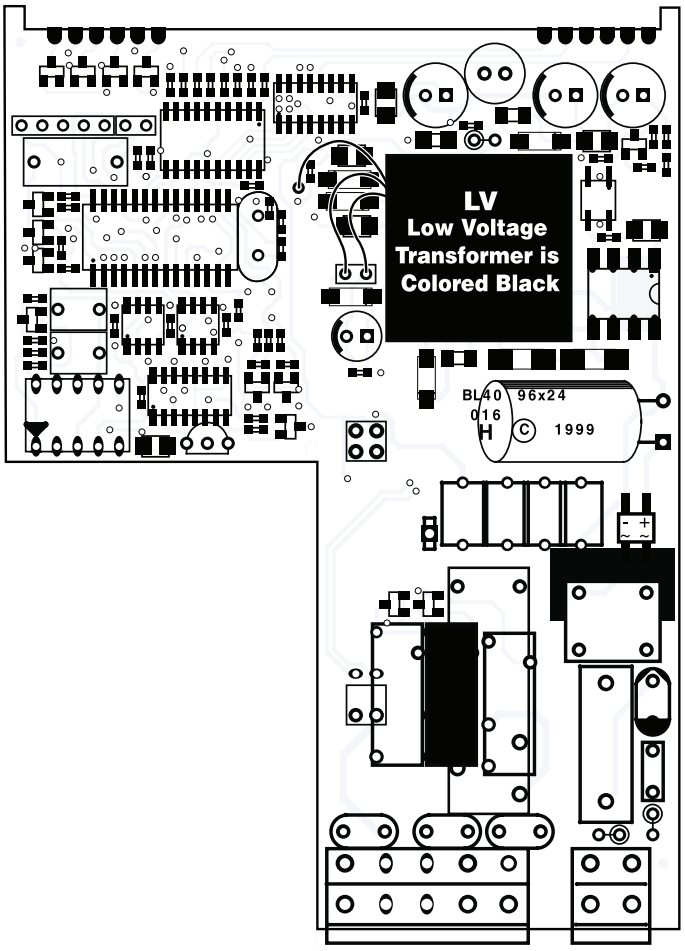
Optional Analog Output Module



Display Board Front View



PS1 High Voltage Main Board

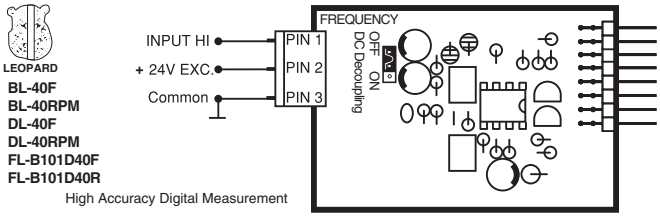


PS2 Low Voltage Main Board

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

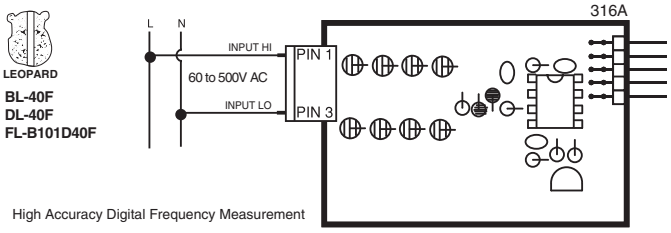
Unless otherwise specified Texmate will ship all modules pre-calibrated with factory preselected ranges and/or scalings as shown in **BOLD** type. Other pre-calibrated standard ranges or custom ranges may be ordered. Factory installed custom scaling and other custom options are also available (see Ordering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

IF05: Frequency with 24V Exc.



High Accuracy Digital Measurement

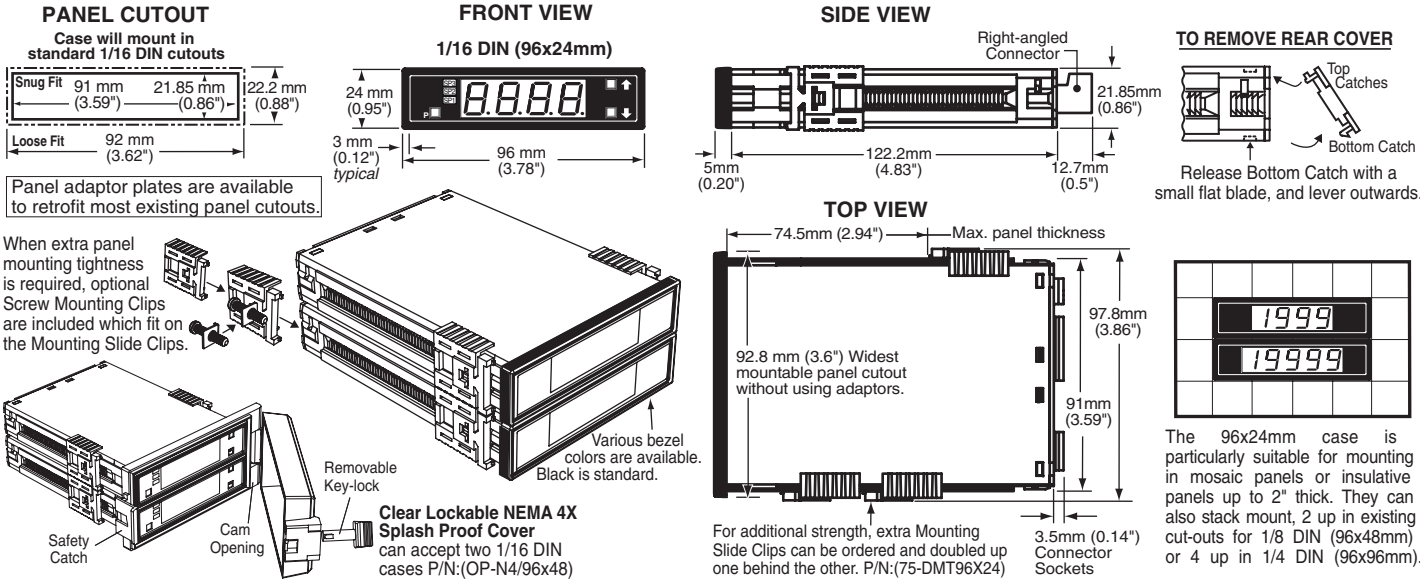
IF08: Line Frequency



High Accuracy Digital Frequency Measurement

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.**

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")

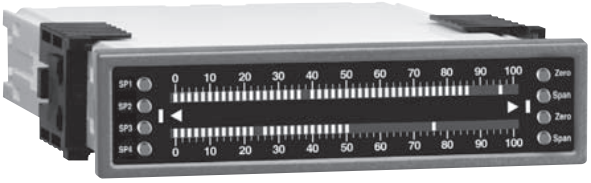
3/32 DIN 24x144 mm (0.95"x5.69")

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-40F	–		–		–		–		–		–	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-40F-DR-PS1-IF05-OIC-R1-OA2, the 2 OA's are, CR-CHANGE and a 75-DBBZ96X24

▸BASIC MODEL NUMBER

BL-40F . . . 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.

IF05 . . . Frequency with 24V Excitation. **99.99**/999.9/9999Hz
IF08. . . . Line Frequency

▸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
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-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
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

Many other options and accessories are available. See full price list for more details.

Prices subject to change without notice.

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Texmate has facilities in Japan, New Zealand, Taiwan, and Thailand. We also have authorized distributors throughout the USA and in 28 other countries.

For product details visit www.texmate.com

Local Distributor Address