

Figure 1 – Mounting Dimensions

LevelBAR Mounting

The indicator should be mounted in a suitable location where electrical power will be available. While the housing affords protection against repeated wash downs, high humidity or extremely wet locations should be avoided whenever practical. Use only the supplied watertight cord grips or other watertight connectors (conduit) for the installation. Do not locate system where sub-freezing temperatures will be encountered (30°F / -1°C below).

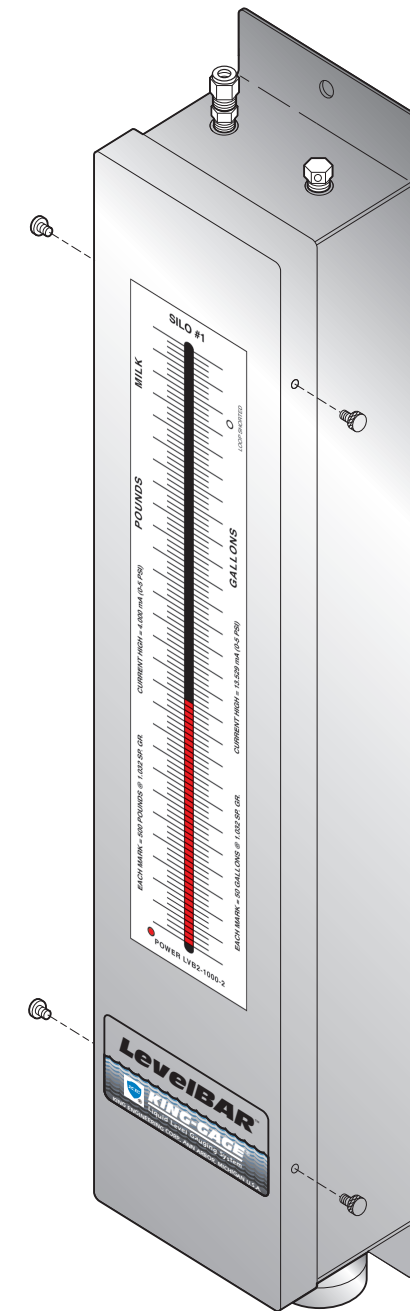
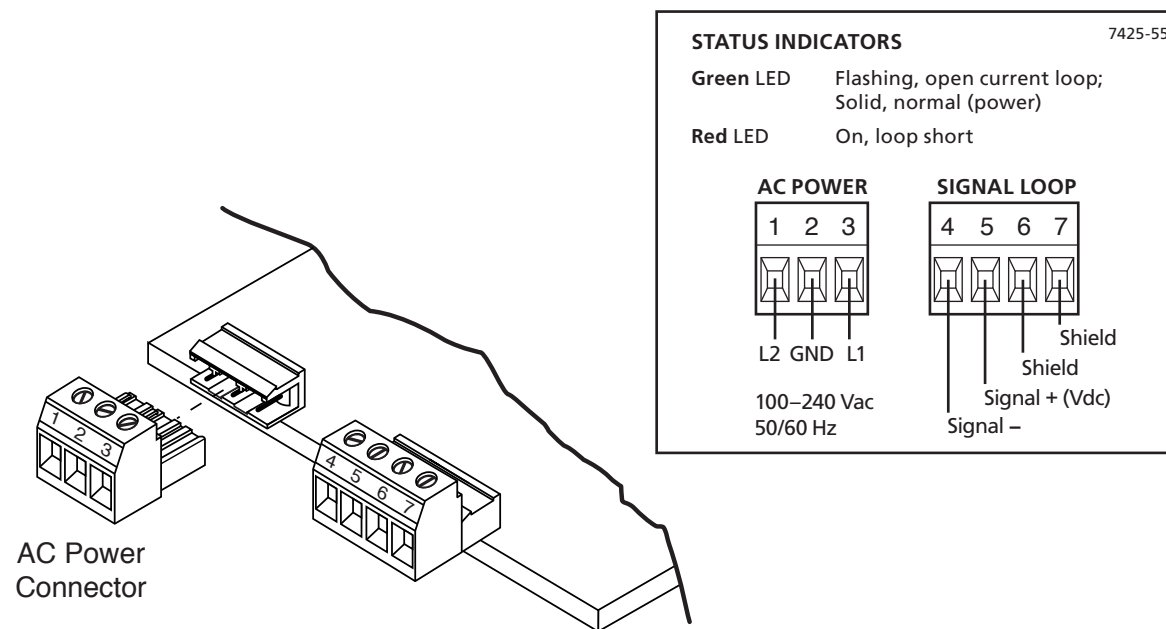
1. Mount housing vertically with wiring input connections at bottom as shown. Use mounting dimensions given in **Figure 1**.
2. Bolt the housing securely to wall or other rigid structural member.

Internal Electrical Connections

To access the internal connections, remove the four (4) thumbscrews that secure the cover.

Power (100-240Vac, 50/60Hz)

Connect the LevelBAR indicator to a grounded 100-240Vac, 50/60Hz. power source. Source ground must be connected to terminal #2 (L1/**GND**/L2) as indicated. (Note that "hot" or "neutral" power conductors may be connected to either the L1 or L2 terminals.) Use only the supplied watertight cord grips or other watertight connectors (conduit) for the power cabling.



INSTALLATION INSTRUCTIONS

KING-GAGE®
LevelBAR V2
 Pneumatic Input
 Model 5111-2x

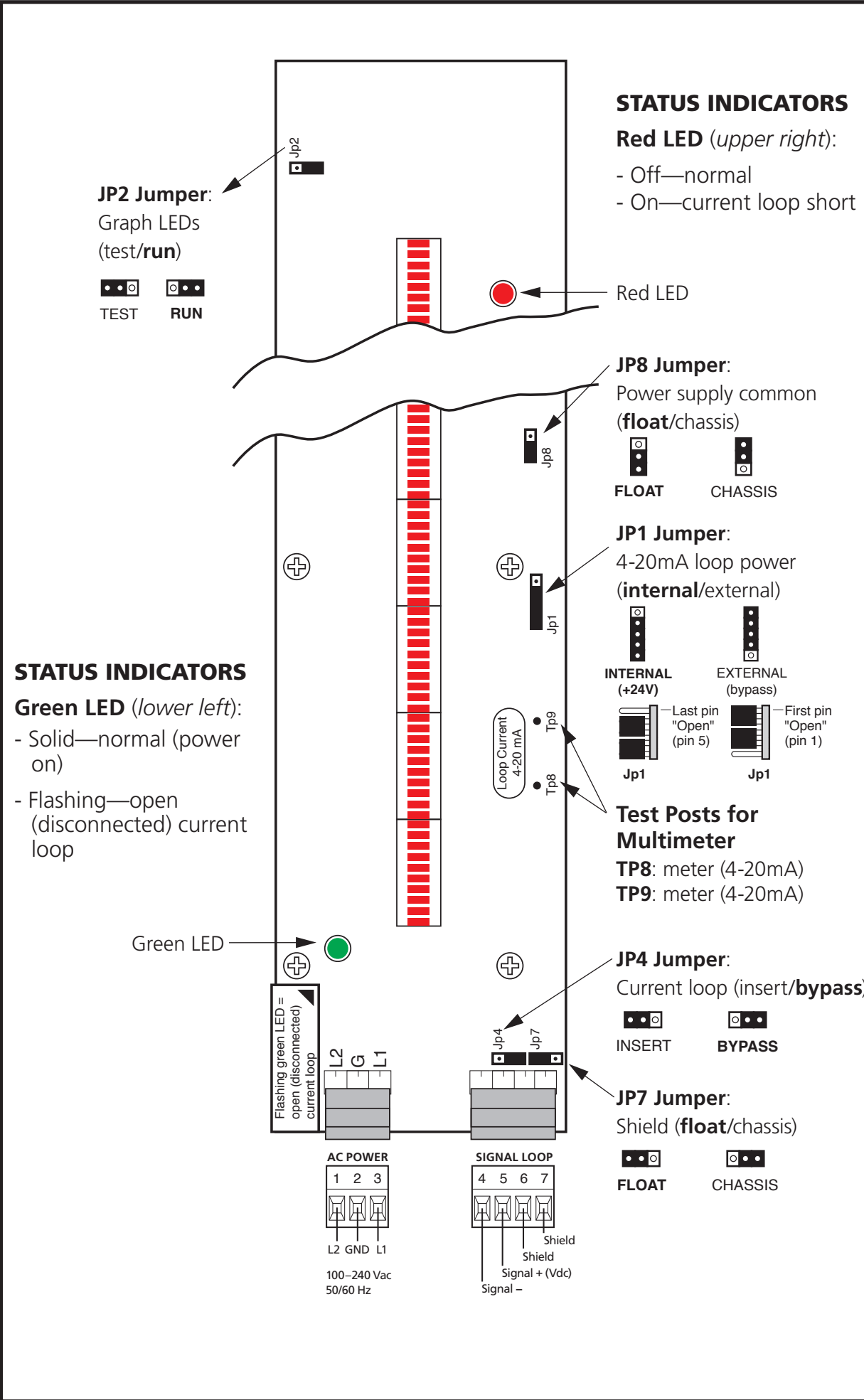
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		DRAWN BY	D. Kennedy
A	7/10	Released	APPROVED



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DWG. NO.
K-1090-2-5111

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A



Pneumatic Input Connections

The LevelBAR is designed to accept clean, dry air or gas pressure inputs only. A vent line routed to a dry and protected location may be necessary if indicator is located in an extremely wet or humid area.

S—Signal (high pressure): Install 1/8" NPT fitting into the left hand port and connect the tank signal line.

E—Equalizer (low pressure): For most fully vented tank gauging applications, the supplied vent plug may be used (except as noted above). Non-vented tanks should have the equalizer line or upper tank void sensor signal connected to the E port.

Graph LEDs (Diagnostic Test Mode)

The LevelBAR LED column can be tested to ensure all individual segments are functional using the JP2 jumper at the upper left portion of the circuit board. **NOTE: For normal operation JP2 must be in the "run" position.**

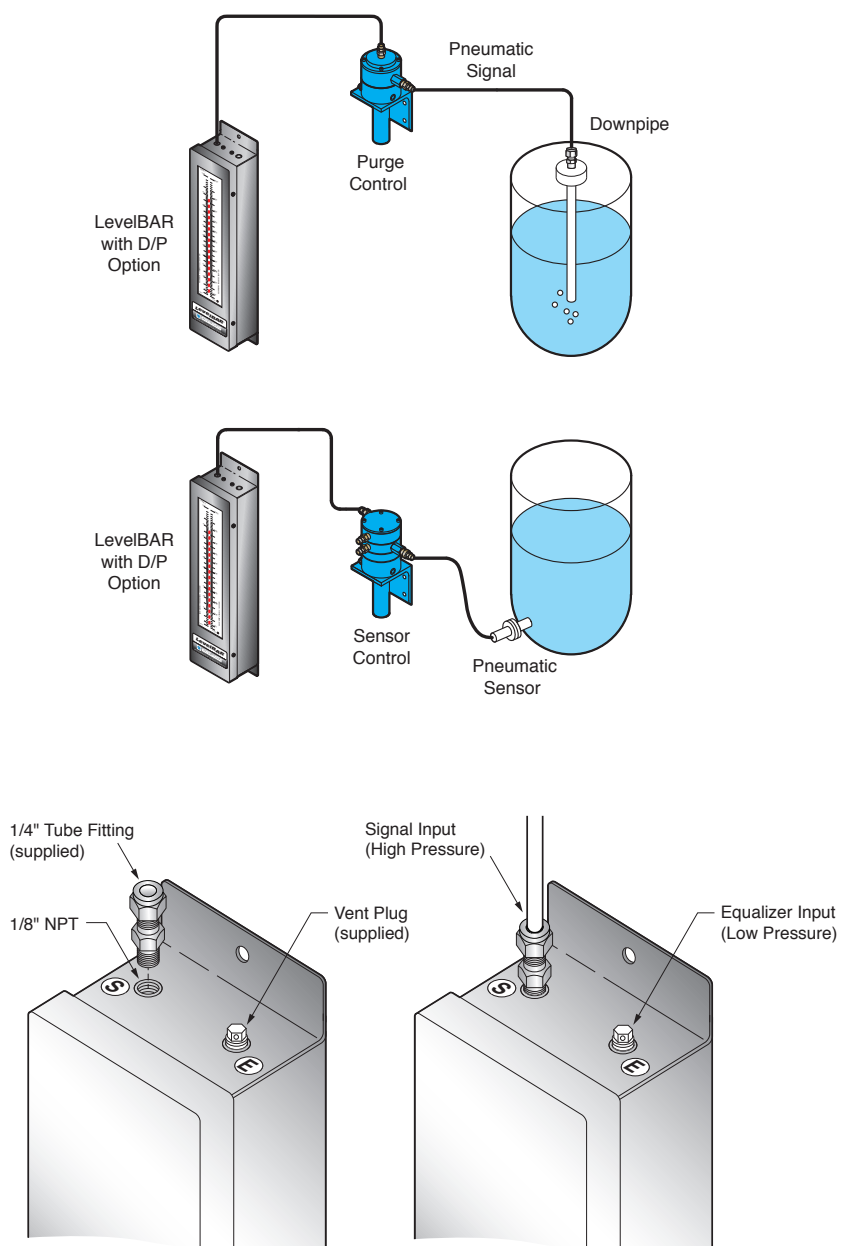
JP2 Test: causes all LED segments to light up (test only)

JP2 Run: normal display mode (LEDs light in response to signal input)

Optional Output: 4-20 mA Signal

The LevelBAR can provide a 4-20 mA output* signal for monitoring or control use. If the 4-20 mA output will be connected by twisted loop wiring to an external device, then the JP4 jumper must be set to the "insert" position. (The LevelBAR indicator for pneumatic input is shipped with the jumper in the default "bypass" position.)

*Actual milliamp output may be less than 20mA depending upon application and pressure range of the internal D/P transmitter



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