Franklin Electric

FUELING SYSTEMS

# EVO LLD™

## LINE LEAK DETECTION

# STAND-ALONE LINE LEAK DETECTION

FUEL MANAGEMENT SYSTEMS

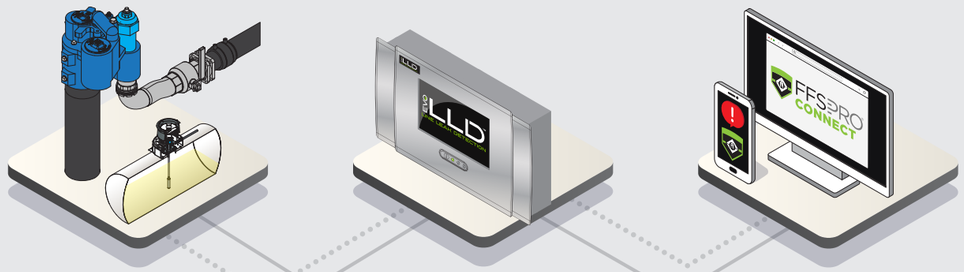
# EVO™ LINE LEAK DETECTION

EVO™ LLD is a stand-alone precision electronic line leak detection solution designed to provide early detection of leaks in pressurized fuel lines. The system features automatic submersible pump shutdown in the event of a leak, minimizing the risks of costly spills and environmental cleanup. This pressure-based system utilizes line characteristics learned through AUTO-LEARN® to monitor for changes in pressure to declare the line as tight or if a leak is present.

- **SIMPLE SETUP**
  Automatically learns the pressure characteristics of each line for easy setup and highly accurate monitoring.
- **FOR NEW OR RETROFIT**
  Operates as a stand-alone kit solution, inclusive of all features and hardware, for ordering and installation simplicity.
- **AUTOMATED COMPLIANCE**
  Facilitates automated 3 gph, 0.2 gph, and 0.1 gph line leak detection compliance testing.

## HOW DOES IT WORK?

1. The EVO™ LLD Pressure Transducer is typically installed in the leak detector port of the submersible pump manifold. During the AUTO-LEARN® setup process, the EVO™ LLD learns the pressure decay curve characteristics of a calibrated leak.
2. During non-pumping periods, the EVO™ LLD will conduct line leak testing by comparing the line pressure changes to those learned during the AUTO-LEARN® process. A deviation in pressure, such as a drop beyond predefined thresholds, will be declared as a leak and shut down the associated submersible pump.
3. With declaration of a leak, the system will notify the operator via the EVO™ LLD display with additional email or SMS notification through the FFS PRO® Connect Web Browser Interface.




PRESSURE TRANSDUCER | EVO™ LLD CONSOLE | FSS PRO® CONNECT WEB INTERFACE

## AUTO-LEARN® TECHNOLOGY

The AUTO-LEARN® feature enhances the setup process by automatically learning line characteristics, eliminating the manual entry of pipe lengths and diameters. This automated approach prevents human error and allows for unparalleled leak detection accuracy.

AUTO-LEARN® safeguards the system against local manipulation as users are unable to falsify setup parameters to wrongly dismiss alarms, ensuring a secure and tamper-proof setup.

## DYNAMIC LEAK DETECTION

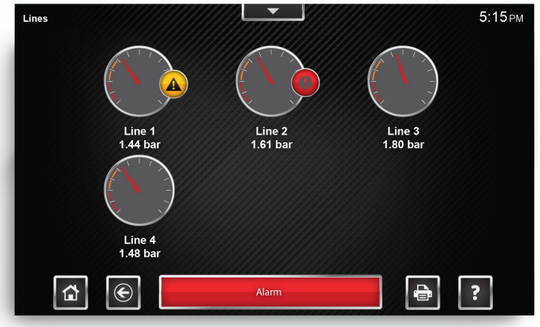
The Statistical Line Leak Detection (SLLD) feature provides a supplementary leak detection method to standard line leak detection testing by continuously gathering line pressure data and employing a statistical analysis algorithm to identify leaks.

Running in parallel with standard line leak testing, SLLD offers a solution for busy 24-hour sites that are unable to accommodate the periods of no fueling required to achieve standard 0.2 gph (0.8 lph) precision leak testing.

## USER-FRIENDLY INTERFACE

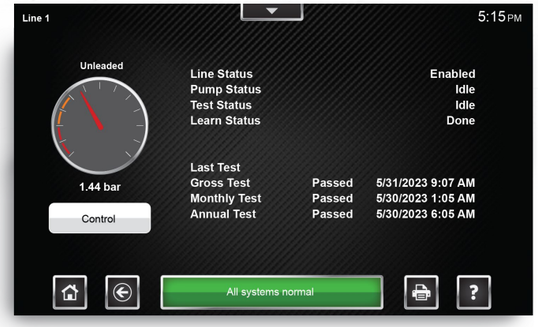
The EVO™ LLD User Interface features intuitive controls and clear visual cues, allowing users to easily access all functionalities without extensive training. Whether viewing line status, setting up alerts, or accessing testing information, EVO™ LLD simplifies complex tasks for an easy user experience.

**Unlike other solutions, all testing and compliance features come standard with EVO™ LLD.**



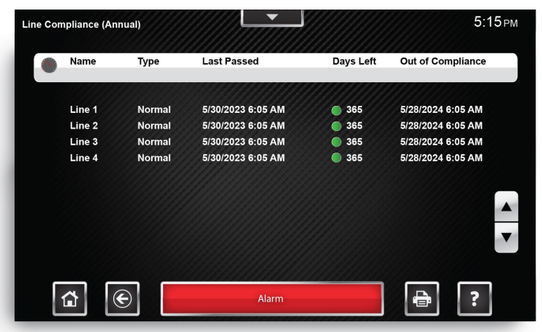

### SYSTEM OVERVIEW

Get a quick system snapshot with visual alarm indicators for lines outside pressure thresholds and warning indicators for lines nearing compliance deadlines.



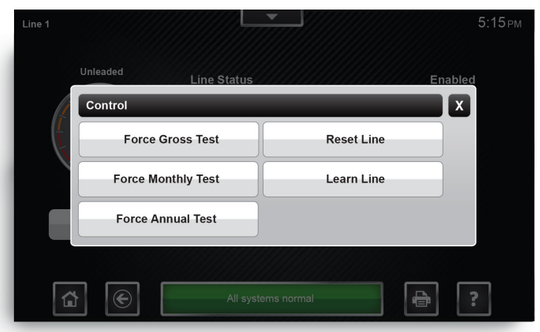

### DETAIL VIEW

Review the details of each line with essential line-specific information regarding line status, pressure conditions, and testing results with date and time stamps.




### COMPLIANCE TESTING

Automated line testing data is provided via consolidated compliance views for simplified compliance reporting.




### ON-DEMAND TESTING

Conduct testing on your own schedule with on-demand testing control options.

# EVO LLD™

## LINE LEAK DETECTION

# TOTAL SYSTEM SOLUTIONS™

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FUELING SYSTEMS

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