Franklin Electric
ENERGY SYSTEMS

EVO™ SERIES



THE COMPLETE GUIDE TO

FUEL SYSTEM MANAGEMENT & C-STORE AUTOMATION

EVO™ SERIES

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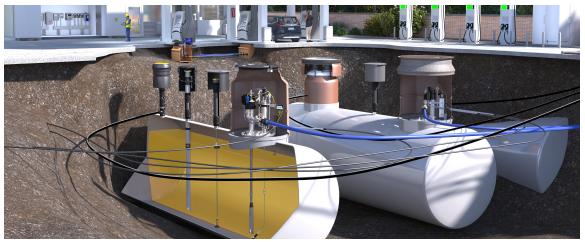
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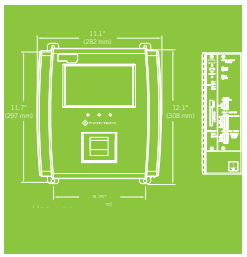












TOTAL SYSTEM SOLUTIONS™



FUEL MANAGEMENT SYSTEMS

1. EVO™ Series console
2. Inventory probes & floats
3. Liquid sensors
4. Discriminating liquid / fuel sensors
5. Interstitial sensors
6. Corrosion Control™ system
7. Multiplexing Sensor Hub™
8. Electronic Line Leak Detection
9. Remote access & control

Franklin Electric redefines fuel management with an innovative suite of solutions that blends precision, intelligence, and adaptability for today's dynamic fuel systems and C-store operations. Far more than traditional tank monitoring, the EVO™ Series and its accessories empower operators to control fuel inventory, ensure compliance, and automate system functions to optimize total site performance.



NEVER STOP EVOLVING

Station operators and C-store managers face increasing demands for operational efficiency, regulatory compliance, and enhanced profitability. The EVO™ Series offers a robust platform that transcends conventional fuel management by automating fuel system operations, enhancing C-store performance, and providing remote access to critical data so operators can run their business as efficiently as possible.

With right-size options for any operation, advanced features, intuitive design, and superior scalability, the EVO™ Series is engineered to evolve with your business.

Achieve optimal flow rates, maximize uptime, and minimize maintenance truck rolls with EVO™ Series.

- Get highly accurate, real-time fuel inventory intelligence
- Make informed, data-driven inventory / delivery decisions
- Automate compliance monitoring, testing, and reporting
- Navigate effortlessly with user-friendly touchscreen
- Ensure uptime with advanced pump monitoring and control
- Minimize leaks with continuous Electronic Line Leak Detection
- Connect to your data anywhere, anytime via PRO™ Connect
- Reduce downtime with automatic firmware upgrades
- Optimize throughput via real-time flow rate analysis
- Deploy fast with hassle-free software setup tools
- Stay secure with user roles, tracking, & multifactor log-in
- Secure data encryption with the latest TLS/SSL protocols

CAPABILITIES

The EVO™ Series features capabilities that empower every user type to make informed, data-driven inventory management decisions while keeping sites in compliance and operating at peak performance.

- Inventory / delivery monitoring / reconciliation
- Tank autocalibration
- Static tank testing
- Statistical Continuous Automatic Leak Detection (SCALD®)
- Turbine Pump Interface™ (TPI)
- Containment leak detection & compliance monitoring
- Electronic Line Leak Detection (ELLD)
- AUTO-LEARN® ELLD line learning
- Statistical Line Leak Detection (SLLD)
- Programmable logic conditions (custom applications)
- Corrosion Control™ System automation
- DEF/AdBlue® recirculation
- Fuel point flow rate monitoring
- Enhanced Sentinel Mode (theft detection)
- PRO™ Connect remote access on any device
- Automatic firmware upgrades



TURBINE PUMP INTERFACE™

Enhanced remote pump monitoring and control including pump-in-water automation, clogged intake escalation, tank leveling, tank priority, and more.



LEAK DETECTION

ELLD continuously monitors pipework to detect leaks and meet hourly, monthly, and annual line leak detection compliance testing requirements.



DEF/ADBLUE® MONITORING

Automate the recirculation of DEF by monitoring line temperatures, recirculation status, and inventory levels as a means to prevent freezing.



CORROSION CONTROL™

Fully automate the removal of corrosion-causing water from tanks, monitor for corrosive environments, and streamline maintenance activities.



TANK MONITORING

Make informed, data-driven inventory management decisions with highly accurate tank level monitoring, tank autocalibration, inventory reconciliation, and inventory forecasting.



CONTAINMENT MONITORING

Monitor for and detect water or fuel leaks in sumps and interstitial spaces, ensuring early detection and compliance with environmental regulations.



FLOW RATE MONITORING

Detect and react to potential slow flow issues with automated daily reporting and alarms, helping to improve flow rates and dispenser throughput.



SECONDARY CONTAINMENT

Monitor for and detect leaks in double-wall piping, tanks, and sumps to ensure early warning of breaches and support environmental compliance.

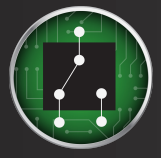
FEATURES

The EVO™ Series offers a robust set of features designed to enhance operational efficiency, ensure compliance, and provide actionable insights for fuel and C-store management.



ONE TOUCH BUTTONS

Automate and carry out anything from complex, multi-function processes to simple daily delivery report generation – all with the touch of a single button.



CUSTOM APPS

Logic conditions let users create customized automated processes to accomplish tasks like automatic compliances testing, reporting, and other C-store operational activities.



THEFT DETECTION

Monitor for product loss during any idle fueling periods. If there is a product loss larger than a user-set threshold during idle periods, EVO™ will send an alert of a potential threat occurrence.



ALARMS & EVENTS

Operators can easily manage system events with instant email or SMS alerts, a detailed event log, and remote access to quickly investigate or resolve issues.



COMPLIANCE MONITORING

Full-featured compliance monitoring with monthly and annual tank testing, containment testing, and line testing – even for busy sites with minimal downtime.



AUTO FIRMWARE UPGRADES

EVO™ can perform automatic firmware version upgrades, ensuring the system stays current with the latest features and security enhancements without a service truck roll.



ADVANCED REPORTING

Easily generate detailed reports (from inventory and deliveries to leak tests and alarm history) scheduled automatically and delivered via email for streamlined reporting.



AUTO SYSTEM BACKUPS

If the site unexpectedly goes down, there's no need to reprogram it from scratch with regularly emailed system backup files that contain historical regulatory information and configuration settings.

EVO™ SERIES MAKES IT EASY

EVO™ helps operators maintain compliance, protect their sites from leaks, and stay connected to vital inventory data anytime, anywhere.



COMPLIANCE MONITORING

Monitor and automate compliance-related activities, simplify regulatory reporting requirements, and ensure optimal fuel system performance.



INVENTORY MANAGEMENT

Track and manage fuel inventory levels, optimize fuel supply, and prevent runouts with inventory automation, forecasting and customizable delivery notifications.



LEAK DETECTION

Proactively identify and address any potential issues, ensuring the safety and integrity of fuel storage, pipework, and the distribution processes.

INTELLIGENT DESIGN

The EVO™ Series full-color, 7" LCD touchscreen features intuitive controls and clear visual cues, allowing users to easily access all functionalities without extensive training. EVO™ simplifies complex tasks for an easy user experience.



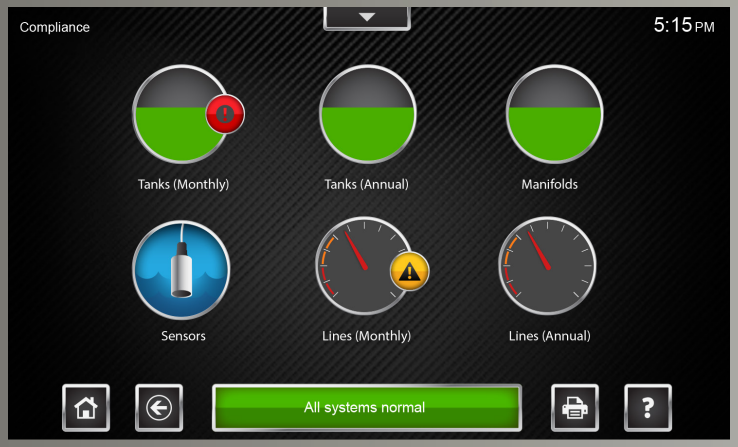
ONE TOUCH BUTTONS

The home screen can be customized with up to six One Touch Buttons. These buttons simplify routine tasks for on-site staff and help automate fuel system corrective actions in the event of an alarm.



QUICK JUMP MENU

Navigate quickly through applications with ease. This time-saving menu makes the interface's structure extremely shallow, simple to navigate, and reduces the amount of steps it takes to accomplish tasks.



ICON-BASED DESIGN

Designed with a smartphone-like interface, EVO™ features colorful apps, status indicators, and intuitive navigation, making it easy for new users to operate with minimal training.



CUSTOM COLORS

Customizable fuel grade colors make it easy for users to identify fuel grade types, check tank water levels, and identify any potential issues at a glance.

STAY CONNECTED



PRO™ CONNECT

Connect to your site data anytime, anywhere, any device.

No subscription required, included with console.

PRO™ CONNECT

REMOTE WEB BROWSER INTERFACE

The PRO™ Connect Web Browser Interface allows operators to securely and remotely connect to EVO™ from any web enabled device. Automatic scaling provides access to site information whether using a PC, tablet, or smart phone.

REMOTE MONITORING

Get remote access to vital site data including tank status, sensor status, pump status, delivery information, active events, alarm history, event history, and more.

INVENTORY FORECASTING

Remotely monitor tank levels, view delivery information, and check the predicted days of remaining inventory to precisely schedule deliveries and avoid costly run-outs.

SIMPLIFIED REPORTING

A wide variety of reports including inventory, alarm history, delivery history, sensor status, and regulatory compliance can be custom-scheduled, displayed, printed, or emailed at specific times.

- Displays data in real-time
- Offers immediate notification of alarms for timely response
- Centralized monitoring of all compliance information
- Monitor inventory to precisely forecast delivery needs
- Create custom-scheduled reports
- Generate, view, print, or email reports
- Analyze and respond to system events and alarms
- Configure custom applications and system automation
- Control and troubleshoot pumps remotely



REMOTE MONITORING CAPABILITIES

- Tank Status
- Sensor Status
- Line Status
- SCM Status
- Pump Status
- Water Separator Status
- Compliance Status
- Conditions
- DEF Recirculation Status
- Meter Status
- Shift Status
- Events
- Discrete Input Status

SYSTEM SECURITY



The EVO™ Series helps keep sites in compliance while providing marketers with the highest level protection from the security threats facing our industry.

Device Protection & User Tracking

Unlimited, customizable user roles, activity tracking, and multi-factor authentication log-in security features protect against unwanted access while keeping track of user activity.

The Latest Data Protection

The latest in industry standard TLS/SSL protocols ensure data encryption between web browsers and the EVO™ Series consoles.

Third-Party Testing

The EVO™ Series has undergone third-party penetration testing and security assessment to validate its protection against unauthorized access and data breaches, receiving a “MATURE” security posture rating.

GSA Approval

The EVO™ Series has received approval from the General Services Administration (GSA), the agency responsible for approving network devices that are used by federal agencies in the United States to ensure that they meet security requirements.

MQTT Communication Protocol

Protect your information with enhanced security of data transmission. The EVO™ Series supports MQTT protocol, which is the standard for IoT messaging and the preferred data communication method for many major marketers. This future-leading messaging protocol employs a publish/subscribe communication method, allowing marketers to securely post and access their fuel system data outside their firewall.



CONSOLE SELECTION

FULLY-FEATURED

WITH ADVANCED CAPABILITIES

EVO™ 600 & EVO™ 6000 provide highly accurate inventory management and full-featured compliance monitoring for any size fuel system – plus advanced features to automate and streamline fuel system and C-store operations. Being module-based, the EVO™ Series is highly configurable for site-specific device requirements.



INCLUDED CAPABILITIES

- EVO™ 600: 126 total inputs (expands to 306 total inputs*)
- EVO™ 6000: 186 total inputs (expands to 366 total inputs*)
- Inventory / delivery monitoring
- Containment leak detection
- Compliance monitoring
- Turbine Pump Interface™ (TPI)
- Static tank testing
- Custom applications (programmable basic logic conditions)
- Enhanced Sentinel Mode (theft detection)
- PRO™ Connect remote access on any device
- Automatic firmware upgrades
- Automatic system backups

When combined with FMP-EXPC Expansion Modules..

OPTIONAL CAPABILITIES

- Inventory reconciliation
- Tank autocalibration
- Statistical Continuous Automatic Leak Detection (SCALD®)
- Electronic Line Leak Detection (ELLD)
  - AUTO-LEARN® ELLD line learning
  - Statistical Line Leak Detection (SLLD)
- Secondary Containment Monitoring (SCM)
- Fueling point flow rate monitoring
- Advanced logic conditions
- Wi-Fi connectivity

OPTIONAL INTEGRATION

- Corrosion Control™ System integration/automation
- Remote Control Solution (RCS) integration
- DEF/AdBlue® recirculation
- Expansion Console compatibility
- Multiplexing Sensor Hub™ compatibility

COMPLETE SYSTEM

AT A PRICE YOU CAN'T IGNORE

EVO™ ONE is an economical, turnkey fuel monitoring solution designed for complete system management. The bundle includes a console, sensors, probes, and all necessary installation hardware needed to upgrade or equip a site with up to 3 tanks, 3 lines, and 8 dispensers for about the same price as a stand-alone ATG console replacement.



INCLUDED CAPABILITIES

- EVO™ ONE: 14 total inputs
- Inventory / delivery monitoring
- Containment leak detection
- Compliance monitoring
- Turbine Pump Interface™ (TPI)
- Static tank testing
- Custom applications (programmable basic logic conditions)
- Enhanced Sentinel Mode (theft detection)
- PRO™ Connect remote access on any device
- Automatic firmware upgrades
- Automatic system backups

OPTIONAL CAPABILITIES

- Inventory reconciliation
- Tank autocalibration
- Statistical Continuous Automatic Leak Detection (SCALD®)
- Electronic Line Leak Detection (ELLD)
  - AUTO-LEARN® ELLD line learning
  - Statistical Line Leak Detection (SLLD)
  - Generator ELLD with pump shutdown bypass
- Secondary Containment Monitoring (SCM)
- Fuel point flow rate monitoring
- Advanced logic conditions
- Wi-Fi connectivity

BUNDLE INCLUDES

- EVO™ ONE console & remote access
- Line leak detection pressure transducers (optional)
- Universal Liquid Sensors
- Probes (sold separately from kit)
- Probe Float Kits
- Probe Install Kits

STRAIGHTFORWARD

INVENTORY & COMPLIANCE MONITORING



EVO™ 400 provide highly accurate inventory management and containment monitoring for small to mid-size fuel systems. With pre-configured hardware and customizable software options, the EVO™ 400 provide straightforward tank level monitoring and compliance.

INCLUDED CAPABILITIES

- EVO™ 400: 14 total inputs
- Inventory / delivery monitoring
- Containment leak detection
- Compliance monitoring
- Turbine Pump Interface™ (TPI)
- Static tank testing
- Custom applications (programmable basic logic conditions)
- Enhanced Sentinel Mode (theft detection)
- PRO™ Connect remote access on any device
- Automatic firmware upgrades
- Automatic system backups

OPTIONAL CAPABILITIES

- Inventory reconciliation
- Tank autocalibration
- Statistical Continuous Automatic Leak Detection (SCALD®)
- Electronic Line Leak Detection (ELLD)
  - AUTO-LEARN® ELLD line learning
  - Statistical Line Leak Detection (SLLD)
  - Generator ELLD with pump shutdown bypass
- Secondary Containment Monitoring (SCM)
- Fuel point flow rate monitoring
- Advanced logic conditions
- Wi-Fi connectivity

EVO™ SERIES
QUICK SELECTION GUIDE

	EVO™ 400	EVO™ ONE KIT	EVO™ 600	EVO™ 6000
				
Maximum tank capacity	14	14	48, 96[3]	108, 216[3]
Maximum sensor capacity	14, 28[2]	14, 28[2]	80, 220[3]	140, 280[3]
Total # of inputs	14	14	126, 306[3]	186, 366[3]
Line capacity	4	4	32, 64[3]	32, 64[3]
AC input channels	4	4	48, 156[3]	108, 216[3]
4-20 mA input channels	-	-	32, 64[3]	32, 64[3]
Relay output channels	4	4	34, 66[3]	34, 66[3]
Dry contact input channels	2	2	2	2
Color LCD Size	7" (17.78 cm)	7" (17.78 cm)	7" (17.78 cm)	7" (17.78 cm)
Printer options	External	External	Internal & External	Internal & External
Kit includes: EVO™ ONE console, ULS sensors, LS500-U line leak transducers, float kits, and probe install kits.[1]	N/A	✓	N/A	N/A
PRO™ Connect remote user interface	✓	✓	✓	✓
Email/SMS notifications	✓	✓	✓	✓
Inventory, delivery management, and inventory forecasting	✓	✓	✓	✓
Statistical Continuous Automatic Leak Detection (SCALD®)	✓	✓	✓	✓
High/low product, water, and temperature alarm set points	✓	✓	✓	✓
Inventory reconciliation / tank autocalibration / flow rate monitoring	✓	✓	✓	✓
Back-up generator monitoring	✓	✓	✓	✓
Phase separation detection	✓	✓	✓	✓
Turbine Pump Interface™	✓	✓	✓	✓
Programmable logic conditions (custom applications)	✓	✓	✓	✓
MQTT, MODBUS®, XML, and Veeder-Root® communication protocol support	✓	✓	✓	✓
Automatic firmware upgrades and system backups	✓	✓	✓	✓
Enhanced Sentinel mode (theft detection)	✓	✓	✓	✓
Security: custom user roles/ tracking, multi-factor authentication, third-party verified security, latest SSL/TLS protocols	✓	✓	✓	✓
AUTO-LEARN® Electronic Line Leak Detection (ELLD) and Statistical Line Leak Detection (SLLD)	✓	✓	✓	✓
Compatible with MSH™, Corrosion Control™ System, SCM, and DEF recirculation	-	-	✓	✓

[1]Probes are purchased separately from the kit to allow for varying tank diameters / probe lengths.

[2]Requires connecting two FMP-ULS/FMP-UHS sensors per channel.
[3]When combined with FMP-EXPC Expansion Console.

SYSTEM ACCESSORIES



ACCESSORIES:

DIGITAL PROBES

Digital probes provide accurate tank level monitoring and reporting with optional leak detection capabilities. These probes employ digital communications and magnetostrictive position measurement technology for highly accurate tank readings.

CAPABILITIES:

Inventory & Leak Detection

Digital probes enable accurate inventory forecasting to optimize fuel deliveries and reduce runouts, while also supporting SCALD® as a continuous, statistical leak detection method to ensure compliance without interrupting fueling operations.

Bottom Mount Installation

With no hanging installation kit needed, the probe can simply be placed in the tank riser and rested on the tank bottom.

Faster Setup

Digital probes automatically send important setup data to the EVO™ console eliminating manual input by technicians. This data includes probe length, serial number, and firmware version.

Simplified Wiring

The threaded electrical connector provides quick installation or removal during maintenance, eliminating the need to re-splice wires.

FLOAT KIT OPTIONS:

Suitable for use with gasoline, diesel, DEF/AdBlue®, and other manufacturer-approved products, digital probes are paired with float kits for advanced inventory monitoring and control.

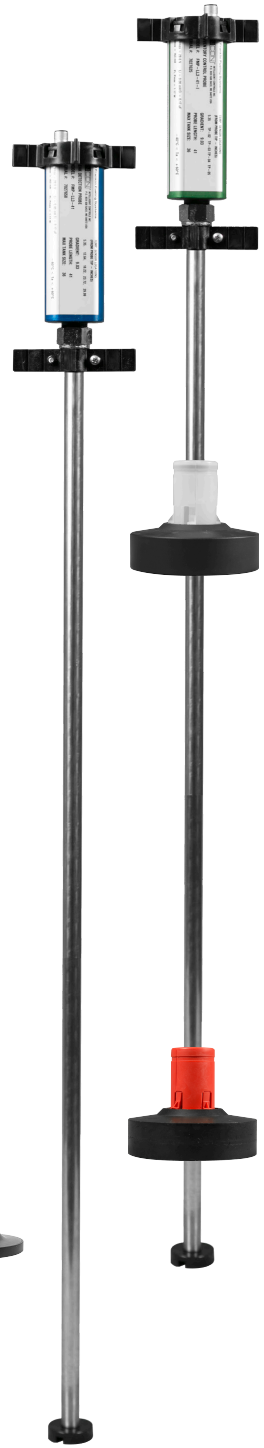
A	**Standard Gas & Diesel Floats** Standard gas & diesel floats kits come complete with a product and water float. Available in both 4" and 2" options, the float kit is paired with each probe to collect fuel and water level information.
B	**Phase Separation Floats** Ethanol phase separation poses a serious risk to fuel quality and site safety. A single float kit identifies both water and phase separation in the tank. With continuous monitoring, operators stay informed of high water or phase separation levels to maintain product integrity.
C	**Diesel Low Level Water Float** Increased water level detection down to ¼", delivering early indication of the presence of water inside diesel tanks.
D	**Chemical Float** Stainless steel floats are suitable for use in a wide variety of non-hydrocarbon chemical applications like DEF.















ACCESSORIES:
SENSORS

No matter the application, whether it's dispenser sumps, turbine sumps, tank interstitial spaces, or specialty setups, the EVO™ Series offers a full range of compatible containment monitoring solutions to meet the site's requirements.

SENSOR TYPES:

A	**Liquid Sensors** Based on float-switch technology and made of chemically-resistant materials, the liquid sensor can be installed in containments, basins, double wall tanks or other locations where the presence of liquid indicates a leak has occurred.	**C**	**Magnetostrictive "Mag" Sensors** These sensors utilize water and product floats to detect the presence of water or hydrocarbons and also alert when the sensor installation has been tampered with. Sensors report water and product alarms, including a programmable high water limit.	**E**	**Multiplexing Sensor Hub™** The Multiplexing Sensor Hub™ (MSH) allows station owners to add additional sensors to existing sites without having to break concrete to run new conduit and wires. The MSH typically uses existing cabling to power and connect up to six total devices to an EVO™ console.
B	**Discriminating Sensors** A discriminating sensor detects the presence of both fuel and water, distinguishing between the two. It's typically placed in a containment area to alert operators of leaks, helping ensure quick and accurate response to specific liquid types.	**D**	**Interstitial Sensors** An interstitial sensor is placed in the space between a double-walled fuel tank or pipe to detect leaks. It alerts operators if fuel or liquid enters this area, signaling a potential breach in the primary containment, helping prevent environmental contamination.	**F**	**Corrosion Detection Sensor** The Corrosion Control™ Corrosion Detection Sensor provides proactive, automated alerts when corrosive conditions are present in the tank ullage space. This helps prevent corrosion that can lead to fuel system deterioration. Installed directly in the ullage space, the sensor uses a replaceable sacrificial metal screen to detect early signs of corrosion before damage occurs.

SENSOR QUICK SELECTION GUIDE

Sensor	 Discriminating Dispenser Sump Sensor	 Discriminating Turbine Sump Sensor	 Discriminating Magnetostrictive Sump Sensor	 Universal Liquid Sensor	 Universal Hydrostatic Sensor	 Electro-Optic Interstitial Sensor	 Discriminating Interstitial Sensor	 Hydrostatic Interstitial Sensor	 Corrosion Detection Sensor	 Desiccant Pack Sensor
Discriminating Capability	✓	✓	✓				✓			
Non-Discriminating				✓	✓	✓		✓		
Turbine Sump Applications		✓	✓	✓					✓	✓
Dispenser Sump Applications	✓		✓	✓					✓	
Tank Interstitial Space Applications				✓	✓	✓	✓	✓		
Tank Ullage Applications									✓	
Position Sensitive (Tamper Protection)			✓							
Hydrostatic Monitoring Capability					✓			✓		
EVO™ ONE / 400 Model Number	FMP-DDS-UD	FMP-DTS-U	TSP-DMS	FMP-ULS	FMP-UHS	FMP-EIS-U	FMP-DIS-U	FMP-HIS-U FMP-HIS-XL-U	FMP-CDS-U	FMP-DPS-U
EVO™ 600 / 6000 Model Number*	FMP-DDS-UD FMP-DDS	FMP-DTS-U FMP-DTS	TSP-DMS	FMP-ULS	FMP-UHS	FMP-EIS-U FMP-EIS	FMP-DIS-U FMP-DIS	FMP-HIS-U FMP-HIS-XL-U FMP-HIS FMP-HIS-XL	FMP-CDS-U	FMP-DPS-U
Typical Application	Dispenser sump applications requiring discriminating capabilities	Turbine sump applications requiring discriminating capabilities	Containment sump applications requiring discriminating capabilities with tamper protection regulations in place	Containment sump and steel double wall tank applications	Brine-filled double wall containment sump and tank applications	Dry double wall steel and wrap-around fiberglass tank applications	Dry double wall steel and wrap-around fiberglass tank applications requiring discriminating capabilities	Brine-filled double wall tank applications requiring high brine vs. low brine detection	Monitoring for corrosive environments	Monitoring remaining life of the Desiccant Pack(s)

EVO™ 600/6000 may support additional sensors. Sensors with "-U" that are used with the EVO™ 600/6000 wire to either a Universal Device Protocol Module (FMP-UDP9) or a Probe Module (TS-PRB). FMP-DDS, FMP-TDS, FMP-EIS, FMP-DIS, FMP-HIS and FMP-HIS-XL all require a 3-Wire Sensor Module (TS-3WSNS).

ACCESSORIES:

MODULE-BASED DESIGN

The EVO™ 600 and EVO™ 6000 feature a module-based design. This offers the flexibility to customize probe, sensor, and input configurations to meet the specific needs of any site while ensuring seamless scalability in the future.

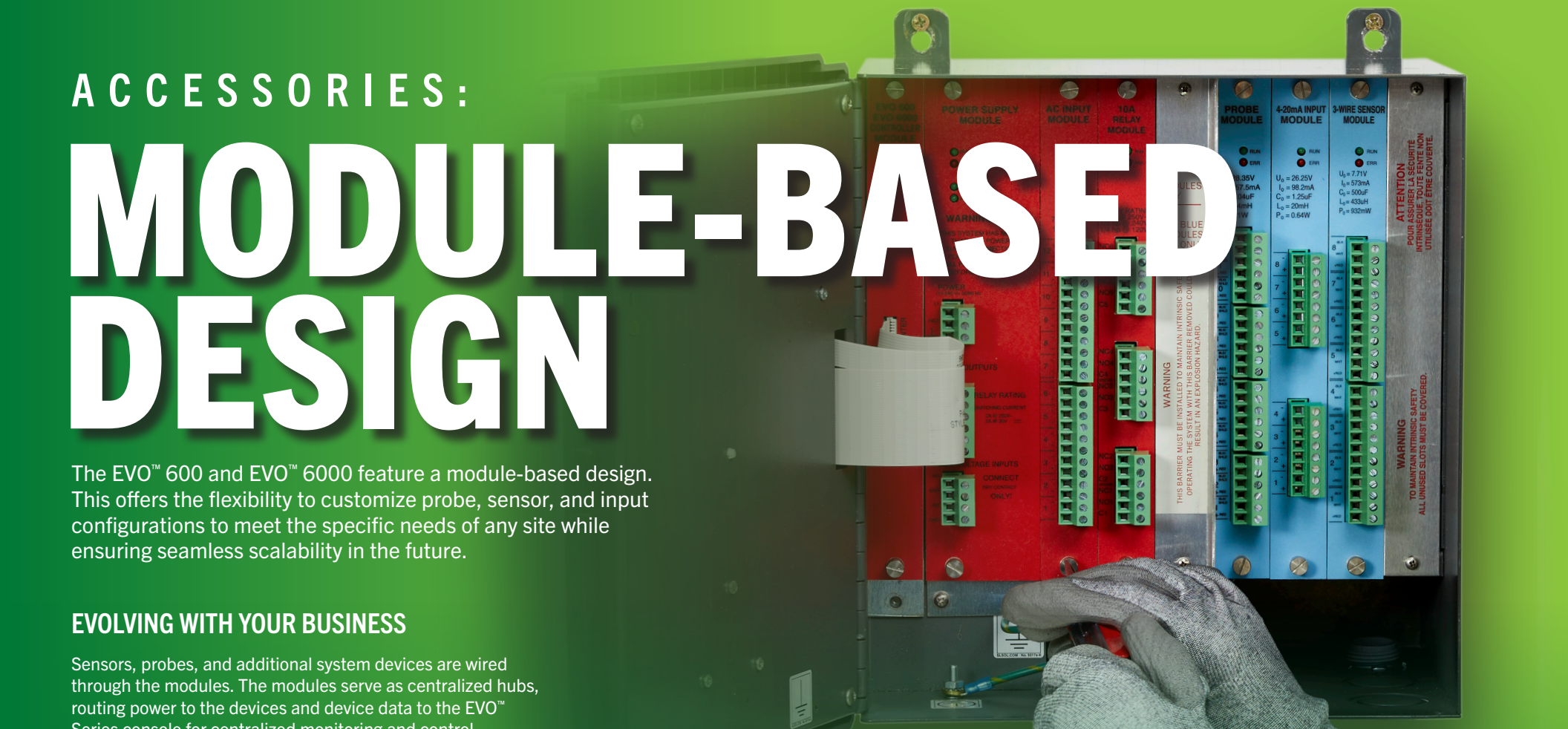
EVOLVING WITH YOUR BUSINESS

Sensors, probes, and additional system devices are wired through the modules. The modules serve as centralized hubs, routing power to the devices and device data to the EVO™ Series console for centralized monitoring and control.

Tailored Configurations for Any Site
The module-based design supports a range of setups, with the EVO™ 600 accommodating up to 6 modules and the EVO™ 6000 accommodating up to 11 modules, enabling custom configurations to address unique site requirements.

Simplified Setup & Configuration
Components are wired to clearly labeled terminal blocks within each module, which automatically detect and recognize the connected devices, simplifying setup and reducing initial configuration and wiring errors.

Scalability for Future Growth
The EVO™ 600 and EVO™ 6000 allows easy expansion by adding or swapping modules as operational needs evolve, avoiding the need for full system upgrades.

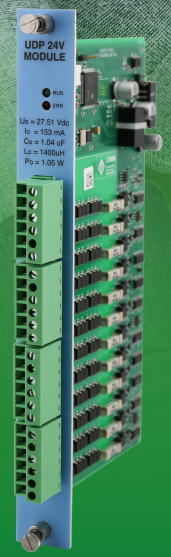


UNIVERSAL DEVICE PROTOCOL (UDP) 24V MODULE

The versatile UDP 24V Module provides universal compatibility with most common probes and sensors. With 12 inputs, the UDP 24V Module is capable of supporting more inputs and system flexibility than any other module.

Fewer Modules
The UDP 24V Module allows a user to add a variety of devices to an EVO™ 600 or EVO™ 6000 without the need to purchase different types of modules to support them, resulting in fewer modules required and fewer unused channels.

Highly Flexible
EVO™ 600 and EVO™ 6000 are capable of supporting more probe and sensor models than all other available modules, providing more inputs and system flexibility.



ACCESSORIES:

MODULE QUICK SELECTION GUIDE

					
Module (Non-Intrinsically Safe)	**Relay Module (TS-RLY)**	**10 Amp Relay Module (TS-10ARLY)**	**4-20 mA Module NIS (TS-420EXP)**	**AC Input Module (TS-ACI)**	**Input Output Module (TS-IO)**
Inputs	-	-	8	12	8 (3-240 VAC/DC)
Outputs	8	6	-	-	4 (4-20 mA)
EVO™ 600/6000 Compatibility	✓	✓	✓	✓	✓
EVO™ 550/5000 Compatibility	✓	✓	✓	✓	✓
Franklin Electric Device Compatibility	**SCM** TS-SCCM **WATER SEPARATOR** 407985903 **OVERFILL ALARM** TS-RK	-	**ELLD** TS-LSU500E	-	-
Typical Application	Secondary containment control, submersible pump control, water separator control, and overfill alarm control.	Dispenser shutdown control	LSU500 transducer pressure monitoring, third-party 4-20mA device monitoring	Dispenser hook signal monitoring	Remote monitoring control, building monitoring system interfacing

MODULE QUICK SELECTION GUIDE (CONT.)

						
Module (Intrinsically Safe)	**RS-485 Module (FMP-485IS)**	**UDP 24V Module (FMP-UDP24)**	**Probe Module (TS-PRB)**	**3-Wire Sensor Module (TS-3WSNS)**	**2-Wire Sensor Module (TS-2WSNS)**	**4-20 mA Module IS (TS-420IB)**
Inputs	4	12	12	8	12	8
Outputs	-	-	-	-	-	-
EVO™ 600/6000 Compatibility	✓	✓	✓	✓	✓	✓
EVO™ 550/5000 Compatibility	-	-	✓	✓	✓	✓
Franklin Electric Device Compatibility	**MSH** FMP-MSH	**PROBES** FMP-LL3-XXX FMP-LL3-XXX-I FMP-FLX-XXX TSP-LL2-XXX TSP-LL2-XXX-I **SENSORS** FMP-UHS FMP-ULS FMP-CDS-U FMP-DDS-U FMP-DDS-UD FMP-DIS-U FMP-DPS-U FMP-DTS-U FMP-EIS-U FMP-HIS-U FMP-HIS-XL-U TSP-DMS-XX	**PROBES** FMP-LL3-XXX FMP-LL3-XXX-I TSP-LL2-XXX TSP-LL2-XXX-I **SENSORS** FMP-CDS-U FMP-DDS-U FMP-DDS-UD FMP-DIS-U FMP-DPS-U FMP-DTS-U FMP-EIS-U FMP-HIS-U FMP-HIS-XL-U TSP-DMS-XX	**SENSORS** FMP-DDS* FMP-DIS* FMP-DTS* FMP-EIS* FMP-HFS FMP-HFS2 FMP-HIS* FMP-HIS-XL* FMP-UHS* FMP-ULS* TSP-DVS TSP-HLS-XX TSP-HLS-XX/SS	**SENSORS** FMP-HFS FMP-HFS2 FMP-UHS* FMP-ULS* TSP-HLS-XX TSP-HLS-XX/SS	**ELLD** TS-LSU500 FMP-LSU500 **SCM** TS-SCCM **SENSORS** TS-VPS **DEF RECIRCULATION** FMP-TEM
Typical Application	Connecting to Multiplexing Sensor Hubs™	Liquid level monitoring, discriminating / non-discriminating liquid detection, corrosion control monitoring	Liquid level monitoring, discriminating / non-discriminating liquid detection, corrosion control monitoring	Discriminating / non-discriminating liquid detection, overfill prevention	Non-discriminating liquid detection, overfill prevention	LS500 transducer pressure monitoring, vapor recovery monitoring, secondary containment monitoring, third-party 4-20mA device monitoring

** EVO™ 600, EVO™ 6000, EVO™ 500, and EVO™ 5000, are backwards compatible with the TSP-XXX versions of the sensors.*

ACCESSORIES:

ALARMS

REMOTE AUDIBLE & VISUAL

Remote Audible & Visible Alarms enhance safety and compliance by providing clear, immediate notifications of critical conditions at fuel sites, ensuring swift operator response.



REMOTE AUDIBLE & VISIBLE ALARM

Integrates with EVO™ Series consoles to deliver standard-intensity alerts for tank overfill or general-purpose alarm conditions.

- Features a pulsating light and piezoelectric buzzer to effectively signal alarm states.
- Can be programmed to activate for any system alarm, offering versatile monitoring within 1,000 feet of the console.



REMOTE ALARM ACKNOWLEDGE UNIT

Complements remote alarm systems by enabling operators to manage and silence alerts from a distance.

- Locks or silences alarms up to 1,000 feet away, facilitating rapid emergency response indoors or outdoors.
- Housed in a durable, weatherproof enclosure, ensuring reliability in any environmental condition.



HIGH INTENSITY ALARM

Provides powerful audible and visible alerts to ensure critical conditions are noticed even in noisy or remote settings.

- Equipped with a pulsating light and electromechanical buzzer, delivering high-intensity warnings over 200 feet.
- Offers adjustable sound levels and integrates with acknowledge units for flexible alarm management within 1,000 feet of the console.

ACCESSORIES:

EVO LLD™

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.

CAPABILITIES:

Simple Setup with AUTO-LEARN®

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.

Advanced Features Included

Unlike other leak detection systems, all features including AUTO-LEARN® and Statistical Line Leak Detection (SLLD) come standard with EVO™ LLD.

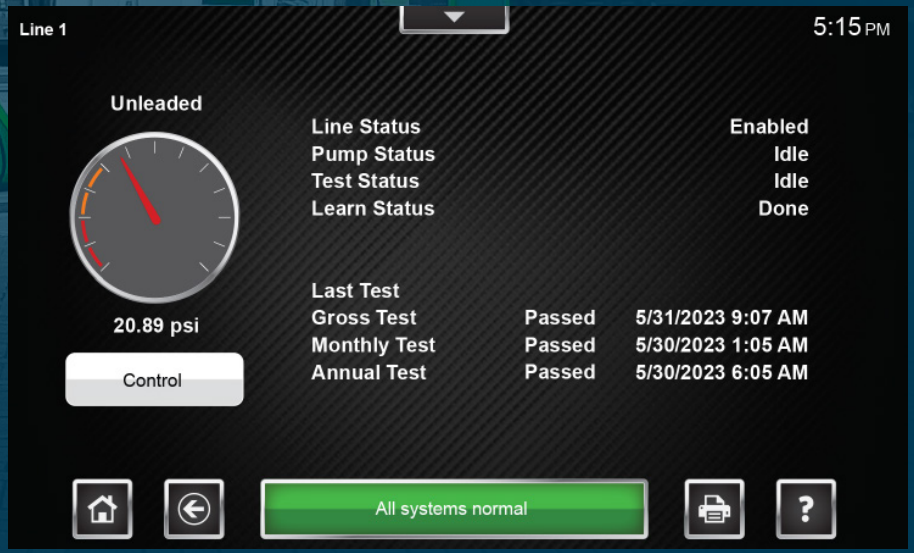
Statistical Line Leak Detection

Ideal for busy sites, this supplementary leak detection method to standard line leak detection testing continuously gathers line pressure data and employs a statistical analysis algorithm to identify leaks.

INCLUDED IN THE KIT

EVO™ LLD is available in 2, 3, and 4-line kits complete with all accessories and hardware.

- EVO™ LLD console
- Pressure transducers
- Needle valve kit
- 3.0 gph (11.4 lph) leak generator kit
- Remote access via PRO™ Connect



FULL FEATURED, STAND-ALONE LEAK DETECTION

This pressure-based system utilizes line characteristics learned through AUTO-LEARN® to monitor for changes in pressure to declare if the line as tight or a leak is present.

UPGRADE KITS



Leverage an existing EVO™ 550 or EVO™ 5000 and upgrade to the latest evolution in fuel system management. Get all the capabilities of the EVO™ 600 or EVO™ 6000 on an existing EVO™ 550 or EVO™ 5000 with an easy-to-install Upgrade Kit.

GET THE LATEST FEATURES

EVO™ Series Upgrade Kits include everything needed to transform the existing EVO 550™ or EVO™ 5000 to an EVO™ 600 or EVO™ 6000 including a Controller Module, communication port cover, optional Wi-Fi hardware, antenna, and cable. Get all of these new features with the Upgrade Kit.

Corrosion Control™
Compatibility with the Corrosion Control™ Water Separator and Corrosion Detection Sensor.

Security Features
The latest in industry standard TLS/SSL protocols ensure data encryption between web browsers and the EVO™ Series.

User Interface Upgrades
Get additional One Touch Buttons (6 total) to automate more common tasks, a shallower menu structure, and remote access on any device via PRO™ Connect.

Lower Retrofit Costs
Compatibility with the Multiplexing Sensor Hub™ allows for additional device inputs into existing sumps without breaking concrete to run new intrinsically safe wires.

More Device Inputs
Compatibility with the Universal Device Protocol Module allows for less power consumption and more inputs and system flexibility than ever before.

ADVANCED FEATURES



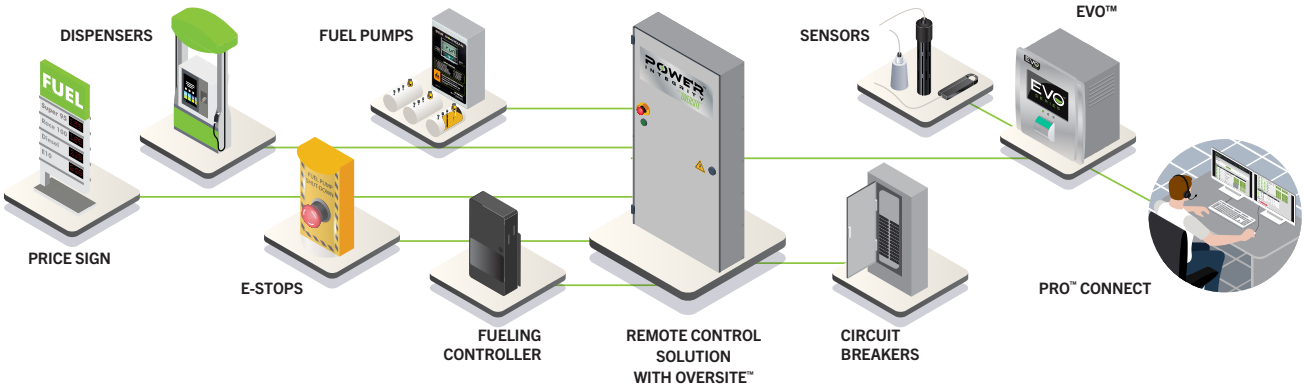
DO MORE WITH EVO™

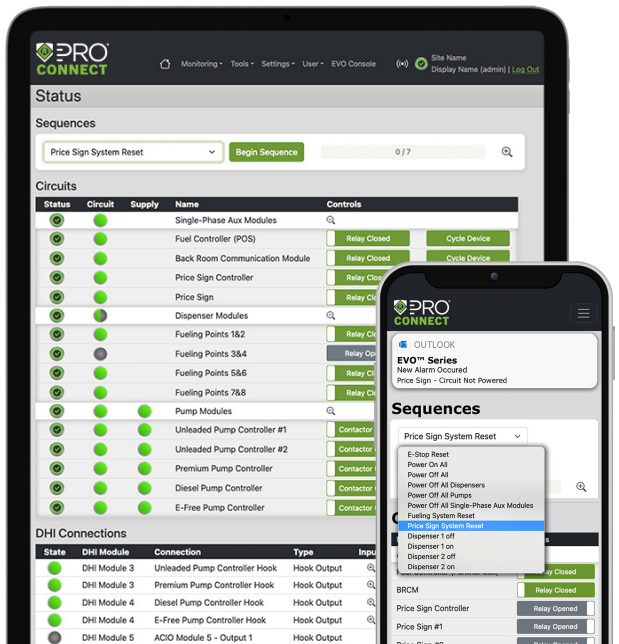
ADVANCED FEATURES:

OVERSITE™ C-STORE AUTOMATION

OVERSITE™ is an advanced device networking technology powered by the EVO™ Series that leverages the Remote Control Solution's critical asset connections to enable remote monitoring, control, and power cycling capabilities. This innovative technology offers a solution for overseeing equipment issues and outages and enabling timely automated responses.

With OVERSITE™ remote monitoring and power cycling capabilities, C-store operators can remotely reset fuel dispensers, site controllers, submersible pumps, and more, significantly reducing the need for costly on-site maintenance trips and eliminating the expenses associated with extended downtime.





Avoid Costly Maintenance Calls

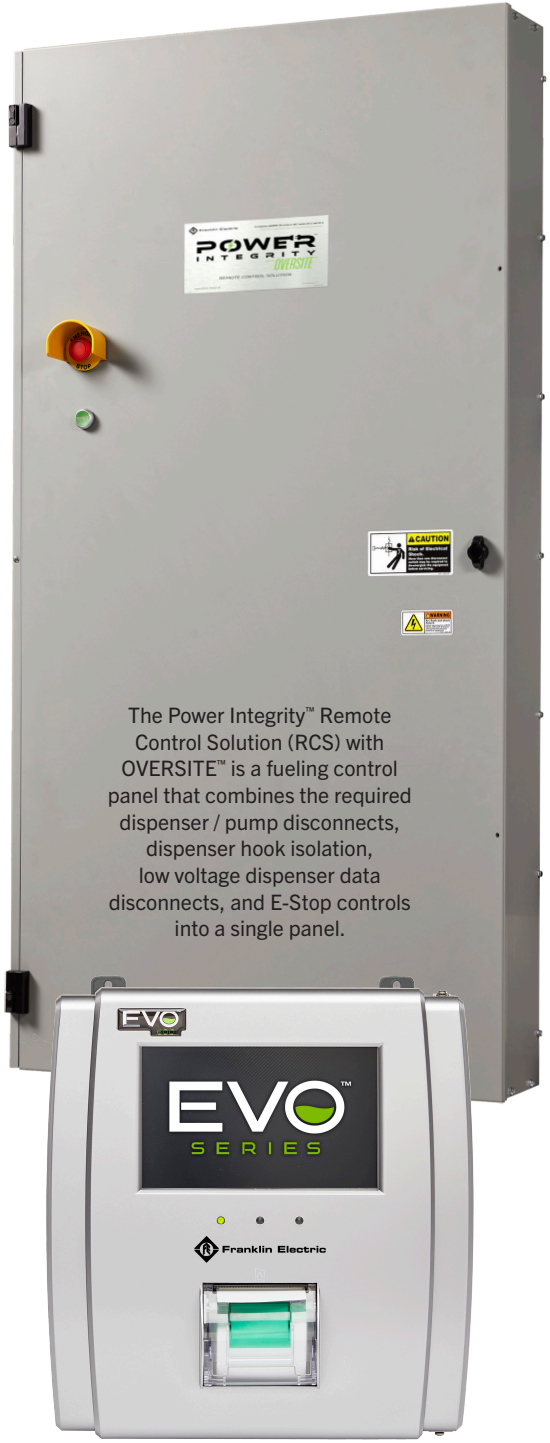
Remote power cycling can significantly decrease or eliminate the need for service truck rolls, leading to substantial cost savings and faster recovery times.

Increased Uptime

With early notification of power outages, equipment failures, and E-Stop engagements, OVERSTE™ allows operators to reset assets quickly, avoid the wait for a technician to arrive, and mitigate the impacts of downtime on business.

Increase Workload Efficiency

Improve asset outage troubleshooting, minimize on-site personnel involvement, and leverage the resulting elimination of service calls to accelerate the resolution of other issues.



The Power Integrity™ Remote Control Solution (RCS) with OVERSITE™ is a fueling control panel that combines the required dispenser / pump disconnects, dispenser hook isolation, low voltage dispenser data disconnects, and E-Stop controls into a single panel.

ADVANCED FEATURES:

ELLD

EVO™ Series Electronic Line Leak Detection (ELLD) is 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 learned line characteristics to monitor for changes in pressure to declare the line as tight or determine if a leak is present.

AUTO-LEARN® TECHNOLOGY

EVO™ leverages AUTO-LEARN® technology to automatically program the unique pressure characteristics of each pipework system. This ensures precise, customized leak detection and safeguards the system against local manipulation as users are unable to falsify setup parameters to wrongly dismiss alarms.

DYNAMIC LINE LEAK DETECTION

With Statistical Line Leak Detection (SLLD), EVO™ allows sites with constant fuel flow to perform 0.2 gph leak testing even during peak operation. This is ideal for busy fuel stations where quiet periods are rare, ensuring continuous compliance without disrupting operations.

AUTOMATED COMPLIANCE TESTING

EVO™ streamlines the regulatory process by automating 3 gph, 0.2 gph, and 0.1 gph line leak detection compliance testing. This feature ensures that your system meets environmental standards effortlessly, with the EVO™ automatically performing the necessary tests at regular intervals.

Pressure Transducer
The EVO™ Pressure Transducer is typically installed in the leak detector port of the submersible pump manifold. During the AUTO-LEARN® setup process, EVO™ learns the pressure decay curve characteristics of a calibrated leak.



ADVANCED FEATURES:

TPI

Turbine Pump Interface™ (TPI) is a powerful tool that creates a network between intelligent pump controllers and EVO™ Series fuel management system consoles. Through TPI, the EVO™ has access to the submersible pumping system status and the capability to react with intelligence that pump controllers alone cannot. The devices share data to provide enhanced system capabilities.



INVENTORY PROBES



EVO™ SERIES CONSOLE



SUBMERSIBLE PUMP CONTROLLERS



SUBMERSIBLE PUMP

CAPABILITIES:

- Remote access to pumps
- Response automation
- Pump in water prevention
- Pump event history reporting
- Clogged pump escalation
- Overfill prevention automation
- Primary / secondary pump management
- Adjusted pump priority / leveling

- Detect and automatically react to offline systems for faster reset and avoided downtime.
- Provide remote troubleshooting, preventing maintenance calls and trip charges.
- Prevent fuel runouts, dry runs, tank overfills, and water being pumped into a vehicle.



ADVANCED FEATURES:

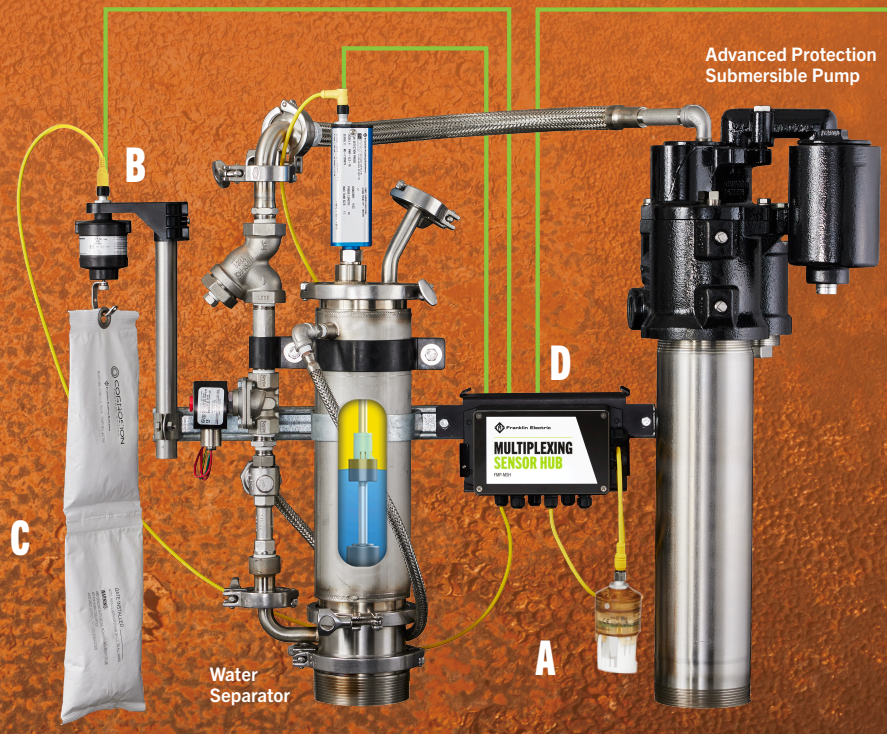
CORROSION CONTROL™

Monthly inspections, compliance testing, dispenser filter changes, etc. The list of maintenance initiatives marketers must keep track of goes on and on. With the influx of corrosion-related maintenance issues on the rise, the EVO™ Series can fully automate corrosion prevention, mitigation, and monitoring.



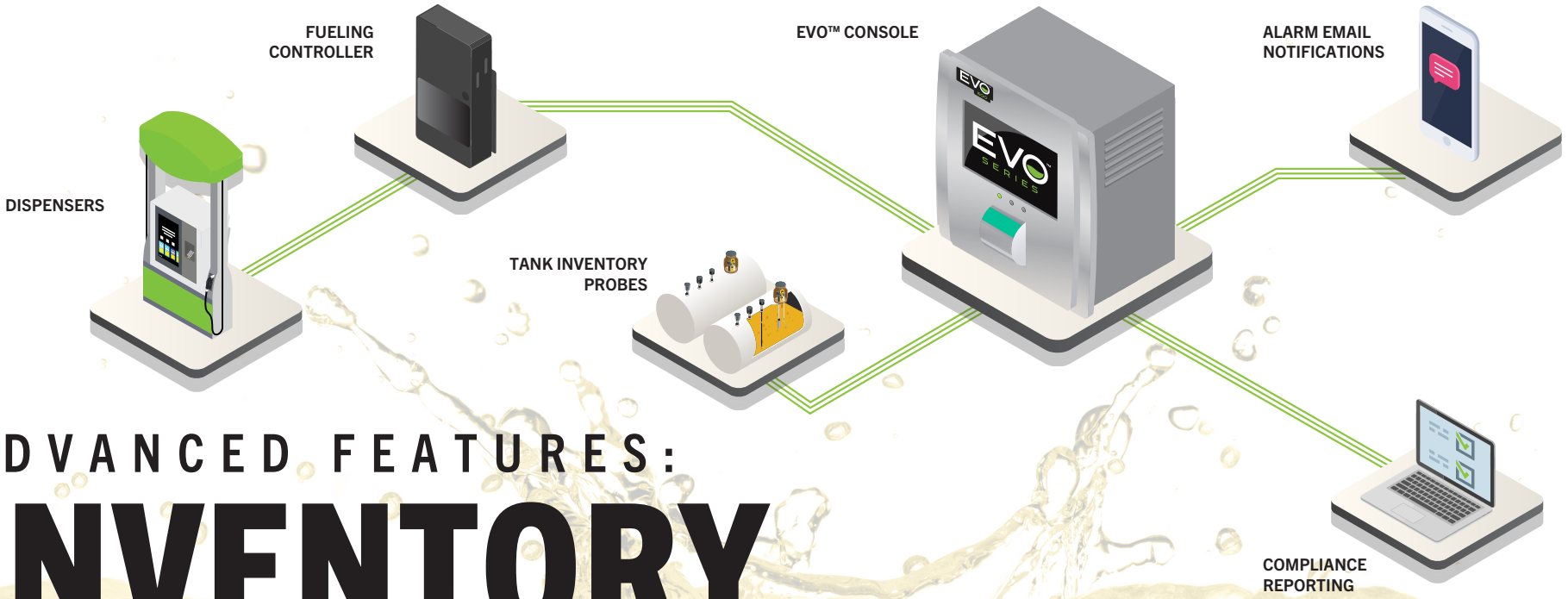
THE CORROSION CONTROL™ APP

Provides control and monitoring of the **Corrosion Control™ Water Separator**, automating the removal of corrosion-causing water from tank bottoms. It auto runs the Water Separator after any fuel drop (a key entry point for water into a fuel system) and also once-daily during quiet periods.



SYSTEM ACCESSORIES:

A	**Corrosion Detection Sensor** Detects corrosive tank ullage environments and delivers automated notifications for prompt response.
B	**Desiccant Pack** Absorbs humidity in the sump environment to prevent corrosion-causing moisture buildup.
C	**Desiccant Pack Sensor** Monitors the remaining life percentage of Desiccant Packs to streamline maintenance efforts.
D	**Multiplexing Sensor Hub™** Enables integration of the Corrosion Control™ System without requiring new conduit or wiring installations.



ADVANCED FEATURES:

INVENTORY RECONCILIATION

The EVO™ Series offers an advanced, automated approach to inventory reconciliation, providing a crucial layer of environmental protection for fuel stations. This feature ensures that operators can detect potential leaks quickly and accurately by analyzing tank volume, deliveries, and dispenser sales data.

CAPABILITIES:

With the EVO™ Series, operators gain peace of mind in knowing their inventory is continuously monitored for discrepancies, allowing for swift action to prevent product loss and environmental impact while ensuring regulatory compliance.

Data Collection
EVO™ collects dispenser sales data from the forecourt controller as well as tank inventory and fuel delivery volumes via the tank probe for a comprehensive view of all fuel movement in and out of the system.

Automated Analysis
EVO™ automatically compares the expected fuel inventory based on collected dispenser sales data and calculated deliveries with actual tank volume measurements to detect any discrepancies.

Leak & Theft Detection
If EVO™ detects an unexpected drop or increase in tank volume that cannot be accounted for by sales or deliveries, an alert may be triggered. This helps operators quickly identify potential leaks or theft.

Reporting & Documentation
EVO™ can generate detailed reports summarizing the inventory reconciliation results. These reports provide a clear audit trail, documenting all data points and results, which can be used for regulatory purposes or internal review.

ADVANCED FEATURES:

SENTINEL MODE

FUEL THEFT DETECTION WITH EVO™

As fuel prices continue to rise, thieves are finding new ways to steal fuel, causing growing concern for C-store operators. This includes tampering with dispenser metering and also stealing directly from the underground storage tanks.

Sentinel Mode enhances security by continuously monitoring product levels during both site closure and idle fueling periods, alerting operators to potential theft when losses exceed a user-defined threshold.

After Hours Monitoring

During site closure EVO™ can monitor for any product loss larger than a user-set threshold and alert of potential theft occurrences.

24-Hour Monitoring

For sites that operate 24 hours a day, EVO™ can monitor product levels when the tank's associated pump(s) have no active hook signals; and if there is a product loss larger than a user-set threshold during idle fueling, EVO™ will alert of a potential theft occurrence.

Complete Coverage

With both Sentinel Modes activated sites can identify potential theft during idle fueling times throughout all hours of the day as well as identify fraudulent active fueling during site closure.

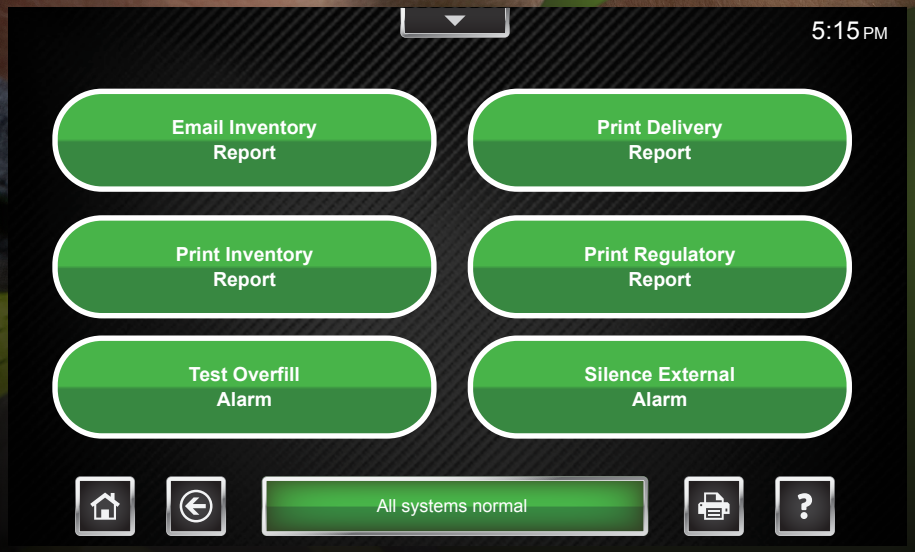


ADVANCED FEATURES:

OPERATIONAL AUTOMATION

C-store operators routinely must generate fuel inventory reports, conduct fuel system compliance testing, and provide regulatory reports. Manually executing these tasks not only takes time to train managers, it also pulls them away from C-store activities.

One Touch Buttons help operators to automate and carry out anything from complex, multi-function processes to simple daily delivery report generation – all with the touch of a single button.



CAPABILITIES:

- Simplify routine tasks for on-site store personnel.
- Empower staff to focus on C-store activities.
- Streamline complex testing and report generation requirements.
- Automate fuel system corrective actions in the event of an alarm.

ADVANCED FEATURES:

CUSTOM APPS WITH LOGIC CONDITIONS

Transform your system management and control with logic conditions. This cutting-edge feature empowers operators to create tailored applications, automate critical processes, and take control like never before. From compliance to operational efficiency, logic conditions unlocks endless possibilities for your fueling system.

WHAT ARE LOGIC CONDITIONS?

Logic conditions is a powerful software option that lets operators program custom control and monitoring functions using a flexible, ladder-logic-inspired approach. Combine analog and digital inputs with intuitive logic operations to craft solutions that meet your unique needs.



CAPABILITIES:

Whether you're managing a retail fuel station, an emergency generator system, or an industrial fueling operation, logic conditions gives you the tools to automate, monitor, and optimize with precision — the possibilities are endless.

Automate Compliance Testing & Reporting

Seamlessly schedule and execute static tank tests, then automatically print or email results – whether the test passes, fails, or aborts. Stay compliant effortlessly.

Enhance Safety & Prevent Downtime

Program fail-safe protections to activate relays when adverse conditions like high water levels or fuel leaks are detected, safeguarding your equipment and environment.

Streamline Operations

Schedule inventory and delivery reports at shift ends or after fuel deliveries. Control station lighting with timers to save energy, turning lights on at dusk and off at dawn.

Monitor & Respond in Real-Time

Set up alerts for critical events, like a sudden drop in tank volume or temperature changes, and trigger actions such as activating pumps or sending email notifications.

Track & Count Events

Use counters to monitor delivery frequency or equipment cycles, notifying managers after a set number of events to streamline maintenance or logistics.

ADVANCED FEATURES:

DEF RECIRCULATION



DEF RECIRCULATION MONITORING & CONTROL

The easy-to-set-up dedicated DEF Recirculation app automates the recirculation of DEF by monitoring line temperatures, recirculation status, and inventory levels as a means to prevent freezing.

Because AdBlue®/Diesel Exhaust Fluid (DEF) will freeze at around 12° F (-11° C), no DEF system is complete without a method to prevent it from freezing in the lines and causing damage. The EVO™ Series DEF Recirculation application allows users to automate the recirculation of DEF as a means to prevent freezing while also providing DEF inventory management and line monitoring capabilities.

CAPABILITIES:

Temperature Thresholds

Select user-defined temperatures at which recirculation is both triggered and shut off, allowing EVO™ to automate operation and navigate fluctuating environmental temperatures in an energy efficient manner.

System Status

Get a quick snapshot of key system performance indicators, line temperatures, recirculation status, and inventory levels.

Automated Alerts

Should EVO™ detect a drop in inventory levels during a recirculation period without dispenses, the app can issue an alarm, ensuring timely detection of potential product leaks. Additionally, if recirculation persists beyond a preset time frame, indicating a system anomaly, the app can issue an alarm, prompting a proactive maintenance inspection.



ADVANCED FEATURES:

FLOW RATE MONITORING

Improve dispenser throughput and maintain fast flow rates with the ability to detect and react to potential slow flow issues before they impact business. Flow rate monitoring calculates flow rates for each fueling point and provides a notification if transactions dip below a user-defined set point.

BENEFITS:

Know Your Flow

Monitor for and ensure fast and consistent dispenser throughput with daily reports and alarm notifications regarding flow rate performance. Improve dispenser throughput by detecting slow flow issues and addressing them before they impact sales.

Performance Monitoring

Sales and dispensing duration data are automatically reconciled to help you better understand the flow performance of every fueling point. Help reduce customer wait times at the dispenser and increase the likelihood of in-store sales.

Proactive Maintenance

Often, slow flow rates can indicate that a dispenser filter needs to be changed. Flow rate monitoring allows site personnel to be proactive in calling for maintenance, getting dispensers back to peak performance sooner.

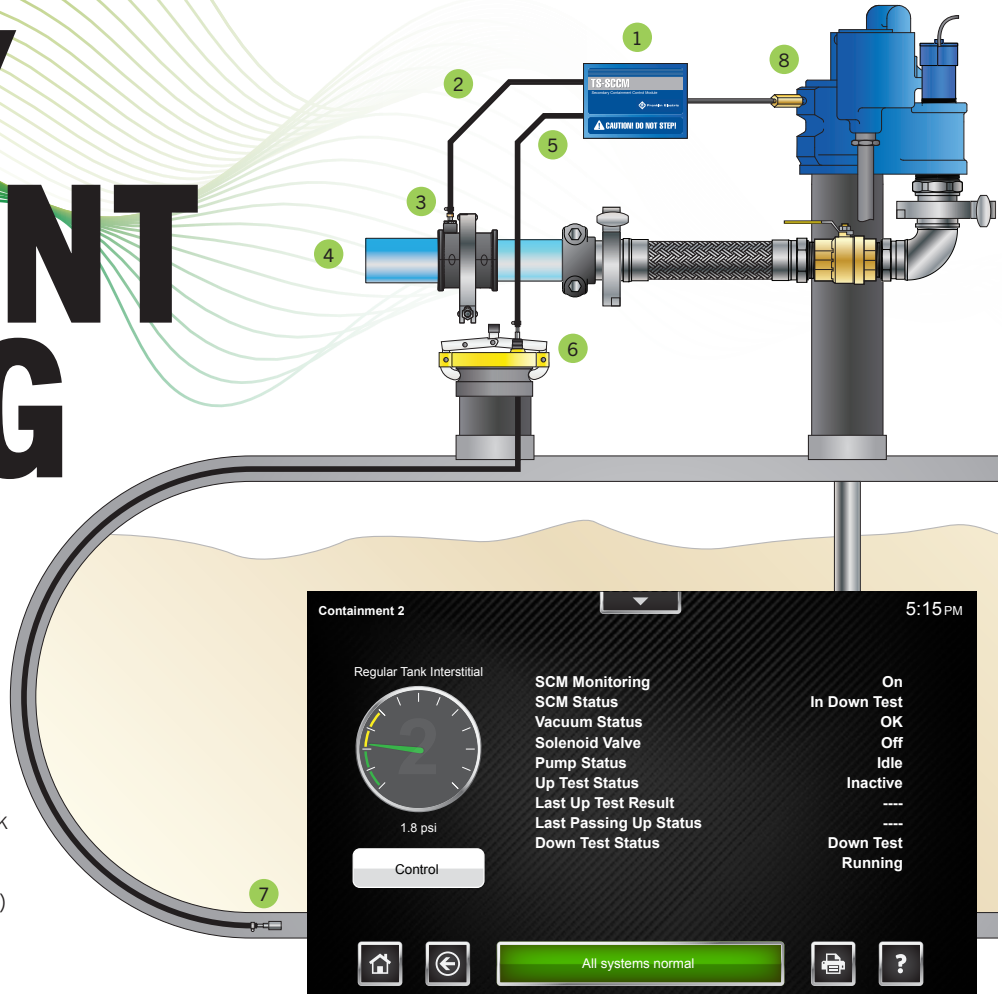
HOW IT WORKS

1. **Flow rate monitoring begins** with making a connection between the EVO™ Series console and intelligent dispenser devices, including Forecourt Controllers and Point-Of-Sale Units.
2. **Through this connection,** dispenser transaction data is delivered to the EVO™ Series and flow rates are calculated.
3. **EVO™ Series uses the data** to produce flow rate readings for each dispenser fueling point and provide reporting and automated alarm notifications for any slow flow fueling points.

ADVANCED FEATURES:

SECONDARY CONTAINMENT MONITORING

The Secondary Containment Monitoring (SCM) system is designed to detect leaks in double-wall piping, tanks, and sumps. The system utilizes the siphon / vacuum port of a submersible turbine pump to draw a vacuum on these interstitial spaces. The vacuum levels are then continuously monitored by an EVO™ Series console to detect any potential leaks in these double-wall containments.



SCM COMPONENTS

1. Secondary Containment Control Module
2. Vacuum line to secondary contained pipe
3. Pipe test boot fitting with test port
4. Secondary contained pipe
5. Vacuum line to secondary contained tank
6. Tank containment installation kit
7. Line weight (included with tank install kit)
8. Siphon check valve

CAPABILITIES:

Up to 4 different containments can be connected to each submersible turbine pump using a combination of single and dual channel Secondary Containment Control Modules (SCCM) and secondary siphon ports.

Comprehensive Monitoring

The SCCM collects information on all interstitial spaces and gathers system status, replenish rate, alarm, and diagnostic information.

AUTO-LEARN® Precision

Utilizes AUTO-LEARN® technology to learn the actual interstitial space being monitored based on the vacuum flow rate through a calibrated orifice for precise leak detection.

Notification & Optional Shutdown

The EVO™ Series console will alarm when a vacuum cannot be maintained or when liquid is detected in a secondary space. Optional positive submersible pump shutdown can be enabled upon alarm.

Compatibility & Installation

Compatible with FE PETRO® and Red Jacket® submersible pumps. All components necessary for installation are available from Franklin Electric.

GENERATOR FUEL SYSTEM:

MONITOR



The EVO™ Series is an advanced monitoring and control system designed to meet the stringent generator fuel supply requirements of critical power facilities. EVO™ Series provides a comprehensive solution for fuel supply monitoring, generator operation monitoring, and leak detection.

REMOTE GENERATOR MONITORING

EVO™ tracks and reports generator runtime, fuel consumption, and start/stop times, giving operators full visibility of their fuel system and generator operations. With its remote user interface, operators can access real-time data from anywhere – whether within the facility or at remote locations – keeping operators informed and enabling prompt action to maintain continuous power and prevent any unexpected disruptions.

DIESEL GENERATOR FUEL MONITORING

EVO™ monitors fuel levels in real-time, providing alerts if fuel levels drop below a critical threshold to prevent run-outs as well as onsite tank overfill prevention. Additionally, by offering precise fuel inventory and usage data, the EVO™ Series helps optimize refueling schedules, reducing unnecessary refills and minimizing operational costs.

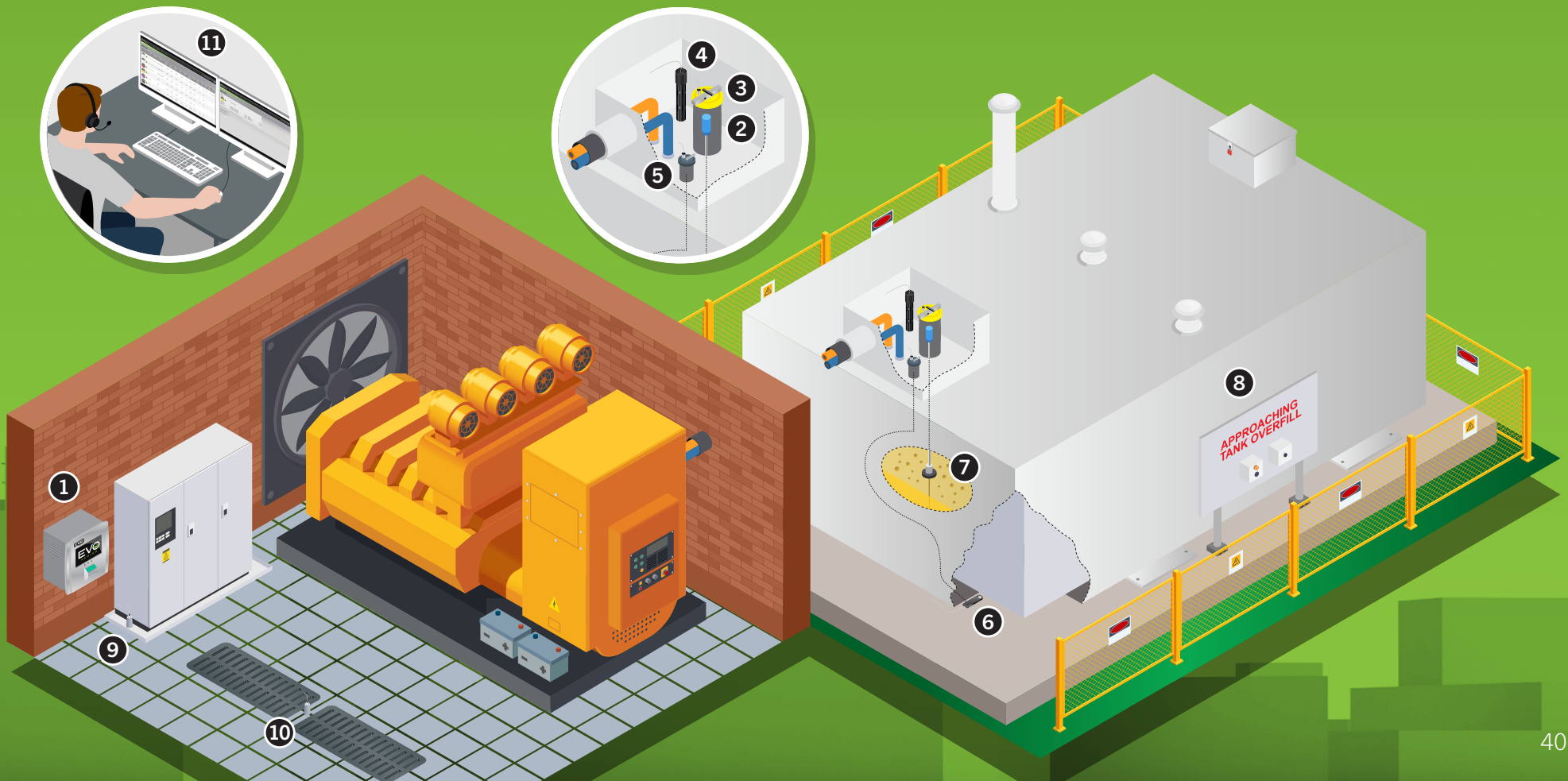
- Fuel inventory monitoring and forecasting
- Fuel supply & return line leak detection
- Double wall fuel tank interstitial leak monitoring
- Tank overfill alarming and prevention
- Coolant leak, condensation, or fire suppression system water detection
- Facility low point liquid detection
- Remote user interface / web-based software included
- Building Management System (BMS) integration (MQTT, MODBUS®, etc.)
- Automated system alerts and notifications via email or SMS
- Custom report generation and automation

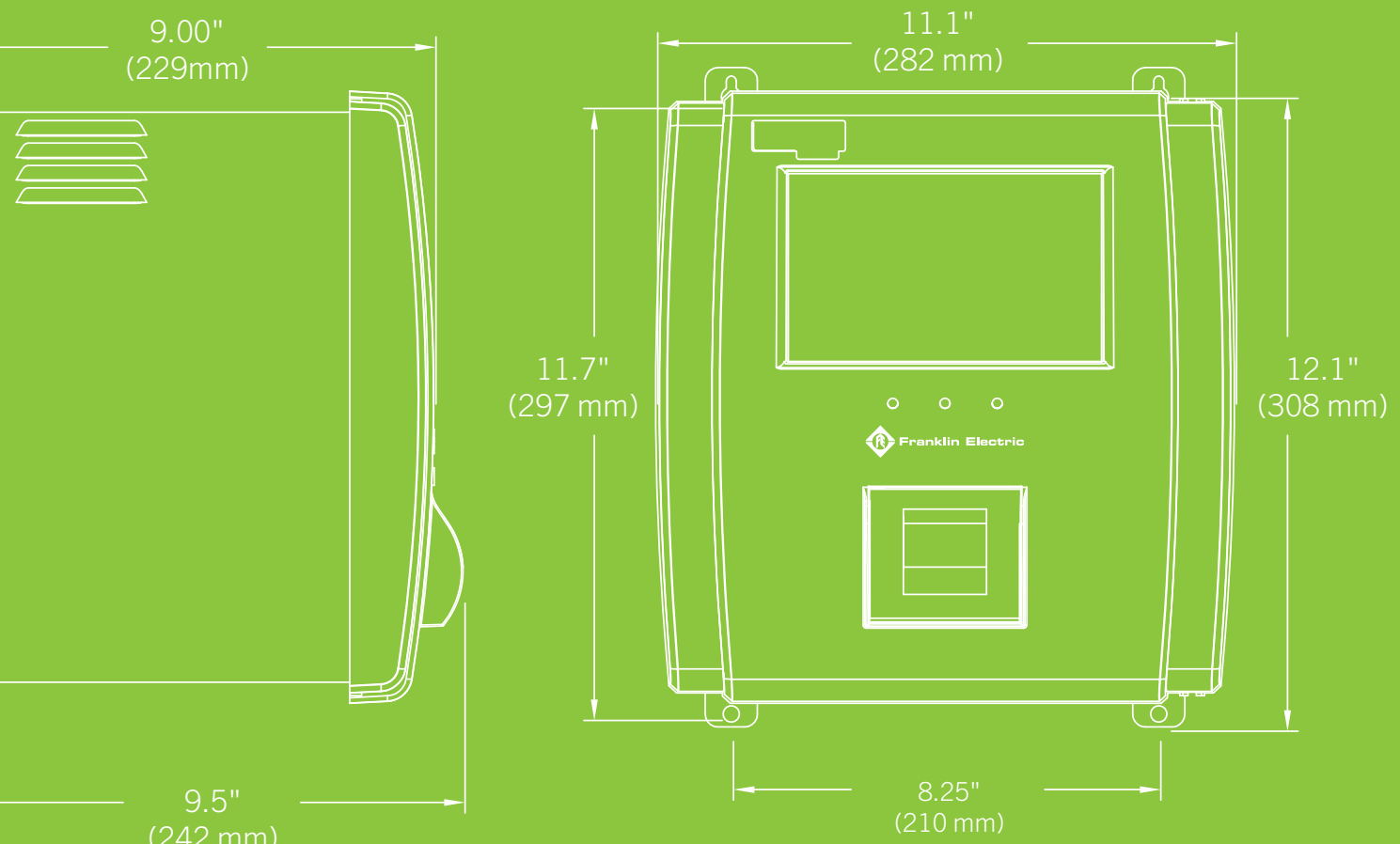
GENERATOR FUEL SYSTEM:

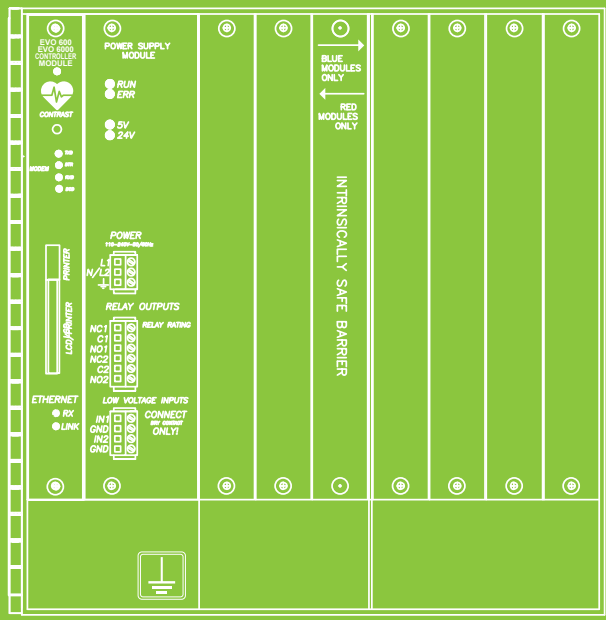
COMPONENTS

By integrating EVO™ and its sensor accessories into these applications, facilities gain real-time insights into fuel levels, generator performance, and leak detection data.

1. EVO™ Series console
2. Inventory probe
3. Probe riser cap
4. Leak detection sensor
5. Interstitial riser cap
6. Double-wall interstitial sensor
7. Inventory probe float
8. Overfill alarm and acknowledge
9. Liquid collection basin sensor
10. Low point liquid sensor
11. PRO™ Connect remote interface







TECHNICAL SPECIFICATIONS

CAPABILITY GLOSSARY

Inventory Monitoring & Forecasting

Provides real-time tracking of fuel levels and the predicted days of remaining inventory. This enables station owners to manage inventory effectively, reducing the risk of runouts or overfilling.

Inventory Reconciliation

Compares dispensed fuel amounts with actual inventory levels to identify discrepancies. This helps detect potential leaks or theft, ensuring product accountability and environmental compliance.

Tank Autocalibration

Automatically adjusts tank capacity measurements to reflect actual conditions by referencing sales data. This enhances measurement accuracy, leading to more precise inventory management and compliance reporting.

Static Tank Testing

Conducts scheduled, non-intrusive tests to verify tank integrity. Station owners benefit by ensuring regulatory compliance and preventing environmental contamination.

Statistical Continuous Automatic Leak Detection (SCALD®)

SCALD® continuously analyzes data to detect tank leaks without requiring shutdowns or interrupting fueling. Ideal for 24/7 sites with minimal quiet periods, it ensures compliance without disrupting operations.

Containment Compliance Monitoring

Monitors containment sumps and tank interstitial for leaks or breaches. This ensures early detection of containment failures, protecting the environment and aiding in regulatory compliance.

Programmable Logic Conditions (Custom Applications)

Enables customization of system responses based on specific site conditions. This flexibility allows station owners to automate processes, enhancing operational efficiency.

DEF/AdBlue® Recirculation

Automates Diesel Exhaust Fluid (DEF) recirculation with user-set temperature thresholds to prevent freezing, while also monitoring line status for leaks.

Electronic Line Leak Detection (ELLD)

Utilizes pressure transducers mounted in the submersible pump manifold to detect leaks in fuel lines. Early detection prevents product loss and environmental hazards, ensuring system integrity.

AUTO-LEARN® ELLD Line Learning

Automatically learns the characteristics of fuel lines to enhance leak detection accuracy. This ensures precise, customized leak detection, reducing the risk of false alarms and enhancing overall system accuracy.

Statistical Line Leak Detection (SLLD)

Analyzes pressure and flow data over time to identify leaks. This allows sites with heavy fueling traffic to perform 0.2 gph leak testing, even during peak operation, which ensures continuous compliance without disrupting operations.

Secondary Containment Monitoring (SCM)

Detects leaks in double-wall piping and tank/containment interstitials utilizing the siphon/vacuum port of a submersible pump to draw a vacuum and monitor the pressure of these interstitial spaces.

Remote Access via PRO™ Connect

Provides off-site access to system data and controls through a secure web browser interface. Station owners can monitor and manage their sites remotely, improving response times and operational oversight.

Turbine Pump Interface™ (TPI)

Creates a network between intelligent pump controllers and EVO™ allowing real-time data sharing and intelligent system responses. This enables remote troubleshooting and reduced downtime.

Fueling Point Flow Rate Monitoring

Reconciles sales and inventory data to calculate flow rates at each fueling point, providing alarm notifications if performance drops below a user-defined threshold. Ensures consistent flow rates and proactive maintenance.

Corrosion Control™ System Automation

Fully automates the removal of corrosion-causing water from tanks and provides proactive automated detection and notification of a corrosive environment in the tank ullage space.

EVO™ 400 & EVO™ ONE CONSOLES

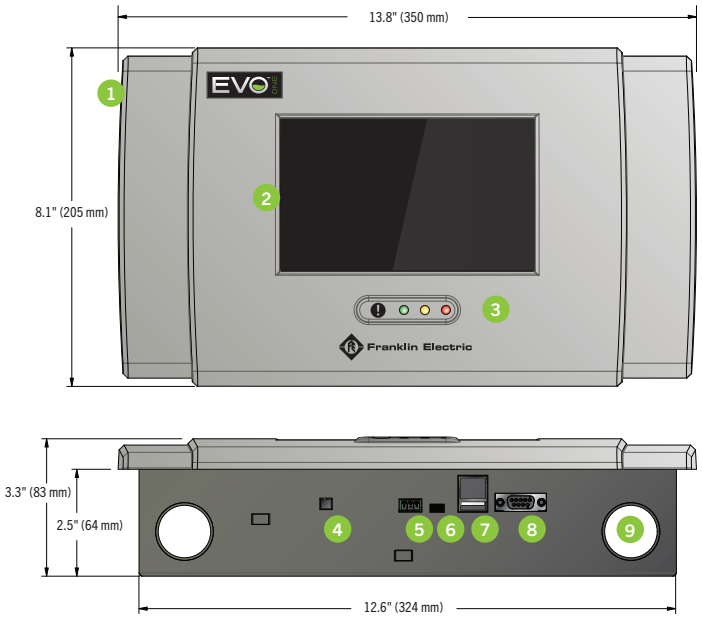
Inputs & Connectivity

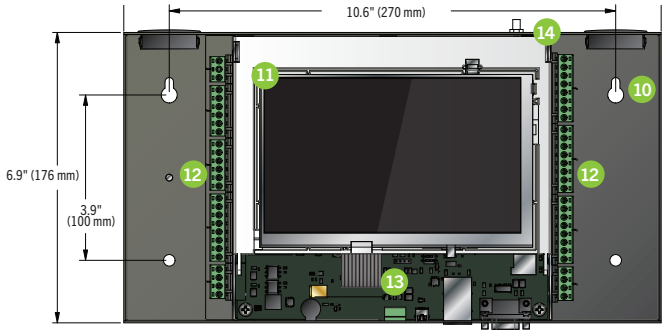
	EVO™ 400	EVO™ ONE
Universal Device Protocol inputs	14	14
Maximum tanks monitored	14	14
Maximum sensor input capacity	14, 28*	14, 28*
Lines capacity	4	4
Maximum total device inputs	14, 28*	14, 28*
Maximum AC input channels	4	4
Dry contact input channels	2	2
Relay output channels	4	4
Connectivity	Ethernet, RS-232, RS-485, standard USB, USB Mini-B	
Communication protocol support	MQTT, MODBUS®, XML, Veeder-Root®	

**Requires connecting two FMP-ULS sensors per channel.*

Hardware

Dimensions (L x W x H)	13.8 in x 3.3 in x 8.1 in, (350 mm x 83 mm x 205 mm)
Display type	7" (17.78 cm) color LCD touch screen
Printer type	External (network or USB)
Alarm	Internal audible alarm
LEDs	Alarm, warning, and power
Power requirements	110 to 240 VAC, 50/60 Hz, 1.0 amp
Operating temperature	32° to 104° F (0° to 40° C)
Humidity	0-90% non-condensing
Approvals	UL, cUL, ATEX, IECEx, GSA IT Security
Certifications	Third-party certification of leak detection capabilities
Security	– Customizable user roles / user activity tracking – Multi-factor authenticated log-in – Third-party verified security – GSA IT security approval – Latest SSL/TLS protocols





1. **Cover**
2. **LCD Touch Screen**
3. **LED Indicators**
4. **Annunciator (audible alarm)**
5. **RS-485 / TPI**
6. **USB Port (Mini-B)**
7. **Ethernet / USB Port (Type-A)**
8. **RS-232**
9. **Top and Bottom Knockouts**
10. **Mounting Holes**
11. **Flip Up Panel (Touch Screen)**
12. **Termination Blocks**
13. **Main Board**
14. **Wi-Fi Antenna Connection**

EVO™ 600 / 6000 CONSOLES

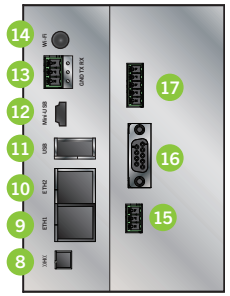
Inputs & Connectivity

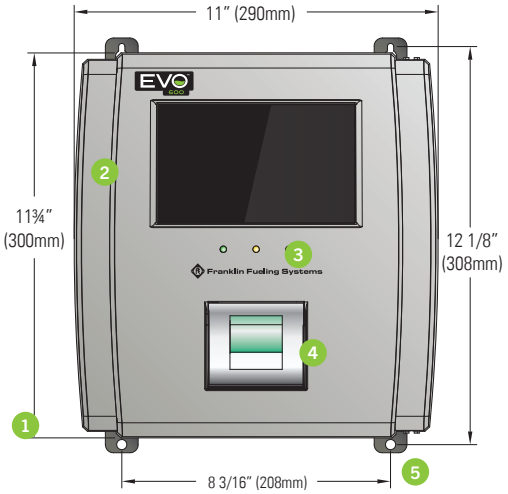
	EVO™ 600	EVO™ 6000
Maximum tanks monitored	48 / 96*	48 / 96*
Maximum sensor input capacity	80 / 220*	140 / 280*
Maximum total inputs	126 / 306*	186 / 366*
Maximum AC input channels	48 / 156*	108 / 216*
Maximum relay output channels	34 / 66*	34 / 66*
Dry contact input channels	2	2
Connectivity	Ethernet (qty 2), RS-232, RS-485, standard USB, USB Mini-B	
Communication protocol support	MQTT, MODBUS®, XML, Veeder-Root®	

**Requires use of FMP-EXPC Expansion Consoles.*

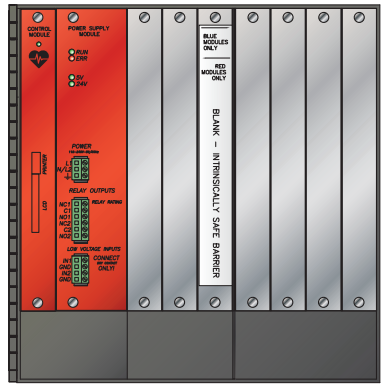
Hardware

EVO™ 600 Dimensions (L x W x H)	11.1 in x 9.5 in x 12.7 in (282 mm x 242 mm x 321 mm)
EVO™ 6000 Dimensions (L x W x H)	17 in x 9.5 in x 12.7 in (432 mm x 242 mm x 321 mm)
Display type	7" (17.78 cm) color LCD touch screen
Printer type	Thermal internal or external (network or USB)
Alarm	Internal audible alarm
LEDs	Alarm, warning, and power
Power requirements	110 to 240 VAC, 50/60 Hz, 1.5 amps
Operating temperature	32° to 104° F (0° to 40° C)
Humidity	0-90% non-condensing
Approvals	UL, cUL, ATEX, IECEx, GSA IT Security
Certifications	Third-party certification of leak detection capabilities
Security	– Customizable user roles / user activity tracking – Multi-factor authenticated log-in – Third-party verified security – GSA IT security approval – Latest SSL/TLS protocols









1. **Cover**
2. **LCD Touch Screen**
3. **LED Indicators**
4. **Printer**
5. **Mounting Tabs**
6. **Module Slots**
7. **Communication Ports**
8. **Annunciator (audible alarm)**
9. **Ethernet Port 1**
10. **Ethernet Port 2**
11. **USB Port (Type-A)**
12. **USB Port (Mini-B)**
13. **RS-232 Comm Port 1**
14. **Wi-Fi Antenna Connection**
15. **Bus Extension**
16. **RS-232 Comm Port 2**
17. **RS-485 / TPI**

TOTAL SYSTEM SOLUTIONS™



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