



Franklin Electric
ENERGY SYSTEMS

GUARDIAN™
S E R I E S



**FIXED SPEED SUBMERSIBLE
PUMP CONTROLLERS**

+ Fill Cars Faster & Smarter
Maintain Consistent Flow Rates
Increase Pumping System Uptime

FIXED SPEED PUMP CONTROLLERS

The Guardian Series™ Controllers take a major leap forward in fixed speed Submersible Turbine Pump (STP) control. Built upon the solid FE PETRO® brand smart controller platform, Guardian Series™ controllers feature an enhanced user interface, greater functionality, and higher performance compared to standard control boxes.

INTELLIGENT PUMP CONTROL

Intelligently control STPs with features including dry run prevention, fault status notifications, and the ability to communicate remotely with STPs via the fuel management system.

EASY SETUP

With a single press of the “Calibrate” button, the controller will automatically learn the electrical characteristics of the STP.

FASTER TROUBLESHOOTING

Service technicians can quickly review the last five abnormal conditions via the LCD display, allowing for faster troubleshooting of intermittent conditions.

SINGLE PHASE CONTROLLER APPLICATION

Compatible to new or retrofit applications with FE PETRO® single phase fixed speed STPs, FE PETRO® single phase Diesel Exhaust Fluid pump motor assembly (PMA), and comparable competitive STPs.

THREE PHASE CONTROLLER APPLICATION

Compatible to new or retrofit applications with most FE PETRO® three phase fixed speed STPs, FE PETRO® three phase Diesel Exhaust Fluid PMAs, and comparable competitive STPs.



LCD Display

A 3½” digital LCD display provides readable running and fault status for improved troubleshooting.

User Interface

Separate Reset and Silence/Calibrate push buttons provide clear interaction with the controller.

Reliability

Updated surge protection and pump relay circuitry improves the controller’s ability to handle challenging incoming power.

Protection

Over voltage protection and enhanced underload detection better protects pumping system equipment.

Communication

Updated RS-485 communication provides seamless manifolded pump and Turbine Pump Interface operation.



TURBINE PUMP INTERFACE™

TPI™ is a powerful tool that creates a network between the Guardian™ Series controller and EVO™. Through TPI™, the tank gauge can be programmed to respond to faults in the submersible pumping system and react with intelligence that pump controllers alone cannot. The devices share data to provide enhanced system capabilities.

TPI™ Capabilities

Remote access to STPs

Response automation

STP history reporting

Pump in water prevention

Clogged STP intake escalation

Overfill protection and automation

Primary and secondary pump management

Adjusted pump priority (levelling on the fly)

TOTAL SYSTEM SOLUTIONS™



Franklin Electric
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3760 Marsh Rd. • Madison, WI 53718
www.franklinfueling.com • +1 844.344.5025

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