Godwin’s diesel-driven automatic Dri-Prime® pumps include the Godwin PrimeGuard 2 automatic level controller, standard on all electronic diesel engines and available for mechanical diesel engines. PrimeGuard 2 is designed for use with diesel engines – up to and including Final Tier 4 – to communicate with the Engine Control Unit (ECU). The Godwin PrimeGuard 2 is a fully programmable microprocessor engine control system that allows for inputs from flow meters, level transducers, pressure transducers or standard floats. Using any of these systems, your Godwin Dri-Prime pump can start and stop automatically with no operator intervention required.

**Features**

- High performance, state-of-the-art, touch sensing digital controller
- Manual, automatic, or remote starting capabilities
- Security levels allow limited to full access of controller functionality
- Includes eight programmable relays and 66 selectable features, including pump running, pump failure, and others
- RS-485 communication ports enable communication with SCADA and other alarm equipment
- Capable of being run by pressure/level transducer with backup float switch operation
- Maintains an "event history" of all warning alarms (up to 32)
- User can pre-set engine rpm to maintain flow and head parameters when running unattended
- Tracks oil and filter usage and alerts operator when replacement is recommended
- Diesel engine warm up/cool down cycle available
- Real-time clock with battery back-up
- For interim and Final Tier 4 diesel engines, shows level of soot in the diesel particulate filter (DPF) and if engine needs regeneration. When the filter needs regeneration, the Godwin PrimeGuard 2 can be used to initiate the cycle.

**Godwin PrimeGuard Controller Basic Operation**

- One-touch engine starting
- One-touch engine stopping
- Directional arrows for screen navigation and data input
- Menu
- Enters selected data
- Increase RPM
- Decrease RPM
- Exits parameter menu screen
- Acknowledges alarms

Default "Home" screen illustrated above.
Remote Monitoring and Control

Field Smart Technology expands the PrimeGuard’s functionality by collecting engine and pump data in one-minute intervals. Data is transmitted to a password protected website for viewing and reporting. FST communicates through both cellular and satellite networks to provide a reliable connection in the most remote locations. FST allows users full control over the unit with the ability to start, stop, and vary speed remotely. The website displays the same information that is shown on the PrimeGuard 2 panel so operators know exactly what their remote equipment is doing. These features allow for the optimal use of labor and can eliminate the need for on-site pump watch.

FST Features and Benefits

- Monitor engine and pump parameters
  - Troubleshoot remotely with ECU codes
  - Ensure proper system operation
  - Bypass without pump watch
- Start, stop, and vary speed remotely for improved system control
- Cellular and satellite communication offers a reliable and strong connection
  - Log data and hours for accurate, easy reporting
  - Alarm for engine off/on, and failure
  - Automatic geofence alerts with streamlined tracking
  - Integrate with asset management software to manage equipment from a single platform

Pump data as displayed on the website

---

© 2015 Xylem, Inc. All rights reserved. Godwin is a trademark of Xylem Inc. or one of its subsidiaries. Godwin is a trademark of Xylem Dewatering Solutions, Inc., a wholly-owned subsidiary of Xylem Inc. Specifications and illustrations are subject to revision without notice. Xylem makes no representation regarding the completeness or accuracy of this information and is not liable for any direct or indirect damages arising from or relating to this information or its use.

www.xyleminc.com/dewatering