

# State-of-the-Art S&L Touchscreen Pump Station Controls



-  **Improved Graphics**
-  **Increased Functionality**
-  **Improved Navigation**

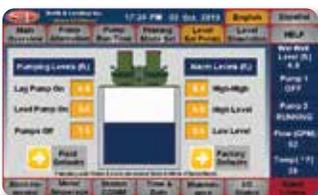
Delivering simplified operation yet powerful pump station control, **QUICKSMART™** Station Controls provide unparalleled ability to monitor and adjust all of your pump station functions. A new layout makes control modifications, screen navigation and viewing of pump station status easier than ever, with screen function buttons and a status bar accessible from each screen. Added features take station controller functionality to new levels. Like a new maintenance log feature, which displays periodic recommended operation / maintenance instructions and makes lubrication suggestions based on actual pump run times. Or improved help/troubleshooting support and new automatic or manual force main / wet well cleaning cycles.

## Main Features

- PLC Station Control
- Alarm Management
- Wet Well Level Simulation
- Prime Mode Selection
- Help / Troubleshooting Info
- Graphical Pump Notifications
- Force Main / Wet Well Cleaning (Automatic or Manual Cycles)

## Sample Screenshots

**Level Set Points**



**I/O Status Overview**



**Maintenance Log**



**Spanish Language Mode**





## QUICKSMART™ Details

- 7" (17.7cm) or 9.7" (24.6cm) TFT LED Touch Screen HMI
- PLC/Microprocessor-Based Controller
- NEMA 4 Rating Standard. NEMA 4X Rating Optional.
- UL and cUL Listed (Optional)
- Protected by Surge Protective Device (SPD)
- 5-Year Pro-Rated Warranty Protection

## Standard Features

- Graphical Pump Running Indication
- Lead Pump Indication
- General Alarm Indication
- Individual Alarm Messages for Each Alarm Function (w/ Time and Date)
- Alarm Logging, Coded for "Time" active or "Return Time" time cleared - Last 500 Events
- Alarm Reset
- Digital Indication of Air Temperature
- Digital and Graphical Indication of Wet Well Level
- Graphical Indication of Prime or Pump Failure
- Digital Indication of Elapsed Run Time for Each Pump
- Digital Indication of Elapsed Run Time for Parallel Pump Operation
- Digital Indication of Level Control and Alarm Settings
- Date & Time Indication, with Set Time Functionality
- Heater/Cooling Fan Running Indication
- "Help" Screens
- Wet Well Level Simulation
- Force Main / Wet Well Cleaning (Automatic or Manual)
- Prime Mode Selection (**CONSTANT PRIME™** / On-Demand Prime)
- Vacuum Release

## Optional Features

- **Force Main Sync™**
- **WaveStart®** with **QSense™**
- Pump Cleaning
- Power Monitoring
- Power Failure
- Phase Monitor (Incoming Power)
- Digital Flow Rate Indication
- Station Intrusion Alarm

## Function Controls

- Pump On / Off Levels
- Alarms (Display / Reset)
- Wet Well Level Simulator
- Environmental System Set Points
- Pump Run Time Meters
- Two Priming System Modes
- Maintenance Reminders (Display/Reset)
- Pump Overload Trip Alarm
- I/O Status for the Controller's Digital and Analog Inputs and Outputs
- Maintenance Log (Service Notification, and Individual Pump Notification Messages)
- Spanish Language Mode
- Reset Function:
  - Running Time Meters
  - Alarms
  - Maintenance
- Set Points:
  - Wet Well Levels (Factory Default and Field Default)
  - Alarm Levels
  - Heater Operation
  - Cooling Fan Operation
  - Average Prime Time / Day
  - Vacuum Release
  - Prime Sensor Cleaning
  - Force Main / Wet Well Cleaning
- Alternation Modes:
  - Sequenced or Timed Pump Alternation
  - User-Defined Time Intervals
  - Lead Pump / Lag Pump Designation