



Lift Station Controller System

Overview

A complete lift station controller with support for multiple station configurations and options.

LSPRO empowers you with advanced automation, monitoring and control.

Enjoy peace of mind with reliable performance, proactive alerts and reporting.

Application

Monitoring your remote lift stations with real-time data and alerts is vital for maintaining proper operation and lowering maintenance costs.

LSPRO provides continuous monitoring and reporting of events. Utilizing the industry standard DNP3 protocol, alarms and events are transmitted when they occur, without waiting for the station to be polled.

Key Features

- 2, 3, or 4 Pump Controller
- Float or Level Transducer Control
- Pump Alternation
- Industry standard, non-proprietary components and protocols
- Optional Local HMI
- Local/Remote Pump-down



LSPRO: Lift Station Controller

Partner with **BCI Technologies** for a smarter, more efficient future!



Providing solutions that improve our customers' efficiency.

www.bcitech.com
407-847-8848 | sales@bcitech.com



Lift Station Controller System

Standard Features

- Allen-Bradley Micro870 PLC
- 22 Digital Inputs
- 10 Digital Relay outputs
- 4 Analog Inputs (0-10V/4-20ma)
- Analog Outputs (optional, with expansion module)
- DNP3 Communications
- RTU Event Logging
- Serial and Ethernet Connectivity
- USB Configuration
- White Painted Stainless-Steel Enclosure

Communication

- GE MDS Orbit Platform
- Conventional Licensed Radio (100, 200, 400, 900 Mhz)
- Unlicensed Spread Spectrum
- Cellular (4G/5G)
- Ethernet Connectivity

Typical I/O Configuration

- Inputs (Digital / Analog)
 - Pump Run and Fail
 - Pump HOA Switch status
 - Float Status
 - Generator Run/Fail inputs
 - Phase Monitor / Utility Power
 - Panel Intrusion
 - Level Transducer (AI)
 - Generator Fuel Level (AI, signal supplied by customer)
- Outputs (Digital)
 - Generator Start/Stop
 - Local Horn/Light

** Additional I/O and configurations available with expansion modules*

Configuration

- Local Human-Machine Interface (optional)
 - Station Configuration
(easily configure parameters without a laptop or special programming software)
 - View Pump Status, Starts & Runtimes
 - Alarm Logging (Current & Historical)
- Float or Level Control
- Duplex, Triplex or 4 Pump Configuration
- Calculated Influent and Effluent Flow rates

SCADA Interface

- Pre-Built templates for popular SCADA packages
- Trihedral VTSCADA
- Schneider Electric GeoSCADA
- Also works with any SCADA software supporting DNP3 communications.
- Build your own Graphics and Tags

LSPRO: Lift Station Controller

**Partner with BCI Technologies for a smarter,
more efficient future!**



Providing solutions that improve our customers' efficiency.

www.bcitech.com
407-847-8848 | sales@bcitech.com