



Complete Systems Manufacturing: Water Booster Systems

Regardless of the type of pump desired, Metropolitan's complete systems approach combines the necessary components and accessories desired to produce very efficient, technologically advanced, custom built solutions engineered to meet or exceed end users' expectations. We offer constant and variable speed motor systems, PLC or relay logic systems, power sources including standby power equipment and utility feed systems, flow metering equipment, instrumentation, specific piping and valve options, and anything related to the transmission and distribution of water for domestic uses.



Custom Fabricated Air-Gap Break Tanks

Isolating water sources from possible cross-contamination is often required in a variety of applications. We provide systems for a wide range of uses including water reuse for irrigation, WWTP effluent systems, process water uses, grey water systems, agriculture and aquaculture applications, and more. Our innovative equipment packages can reduce the depletion of natural water resources by using or reusing water such as wastewater effluent, grey water, rainwater harvesting, and pond or process water.



Fully Enclosed Housed Systems With Built-In Environmental Features

Metropolitan Industries strives to provide facility owners, end users and installing contractors with high quality products fully factory assembled to ensure seamless installation. Our custom engineered housed systems can be provided in a variety of materials and options. They are shipped to the project site fully pre-piped, pre-wired, pre-tested and ready to be lowered into position for immediate connection to existing connection points. A wide variety of exterior features, facades and finishes can be provided to fit any aesthetic or environmental requirement. The buildings are provided with all necessary lighting, heating, cooling and ventilation systems built-in.



■ Simple To Use

Preprogrammed for easy set up

■ Flexible Options

Operates 1, 2, or 3 pumps with optional flow monitoring, dual wet-well, etc.

■ SCADA Ready

Includes trending, alarm history, communication options, etc.



Top Of The Line Control

LMS2 is a complete menu-configurable lift station level management system operated by a color touch screen to allow for all of the following:

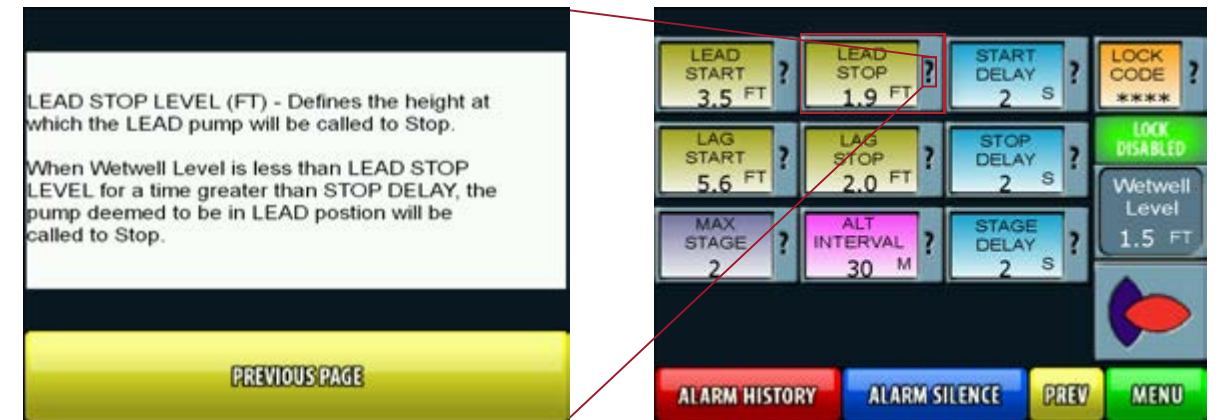
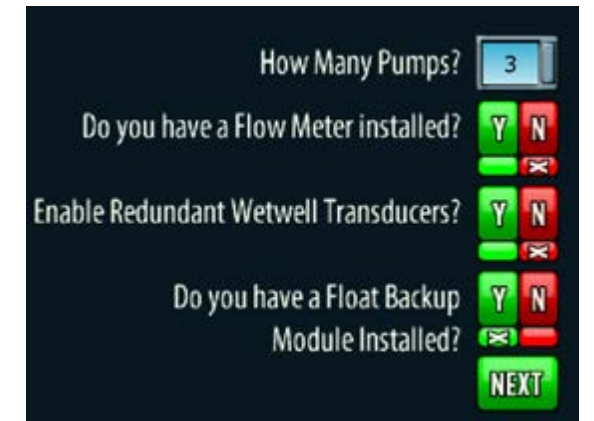
- Automatic operation and alternation of simplex, duplex, or triplex pump systems.
- Precise level control with adjustable set points and password protection.
- Single transducer with float switch or second transducer (optional) backup control system.
- Single or dual wet-well operation
- Connection to flow transmitter input for trending and recording. (flow transmitter not included)
- Alarm system programming includes outputs to connect to SCADA, phone dialer, MetroMail™, Internet, etc. (see communications options below).
- Available for indoor or outdoor installation with optional enclosures.



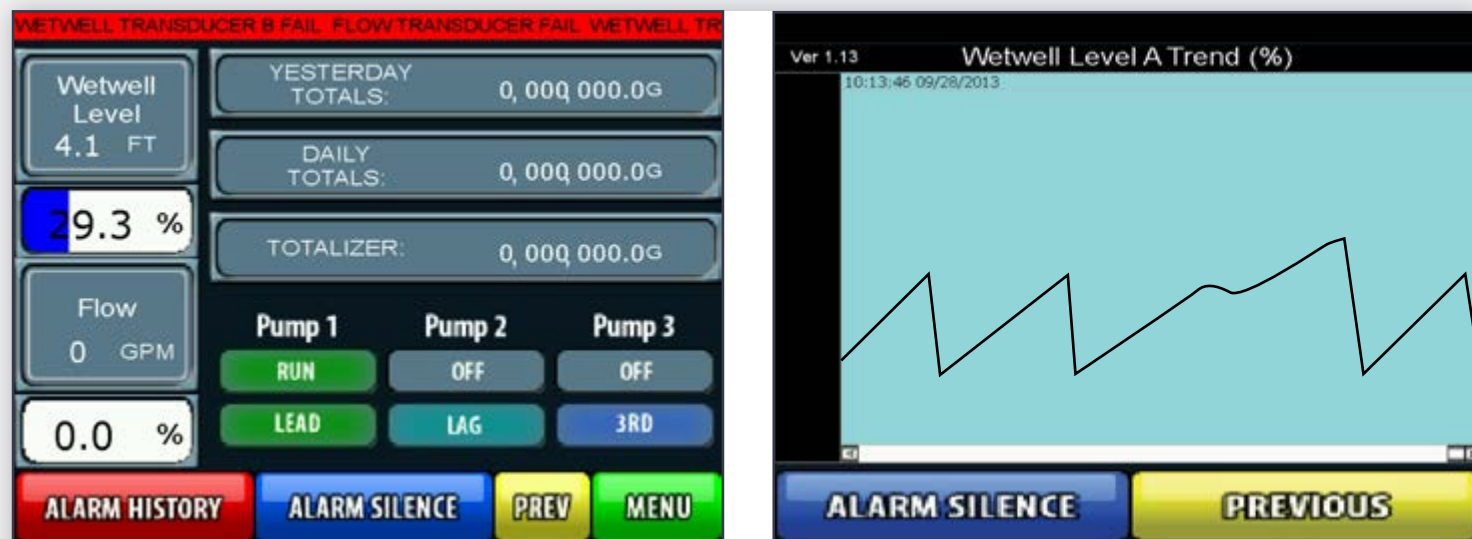
Easy To Use

The LMS2 features a full color touch screen Operator Interface. Set up can be accomplished in just minutes without referencing the users manual. Just answer a few simple questions about your pump arrangement and the LMS2 is ready to go. Operators can monitor pump status, adjust set points and view historical data all with the convenience and simplicity of a touch screen.

Help screens are integrated throughout to provide simple, easy to understand explanations of all adjustable settings.



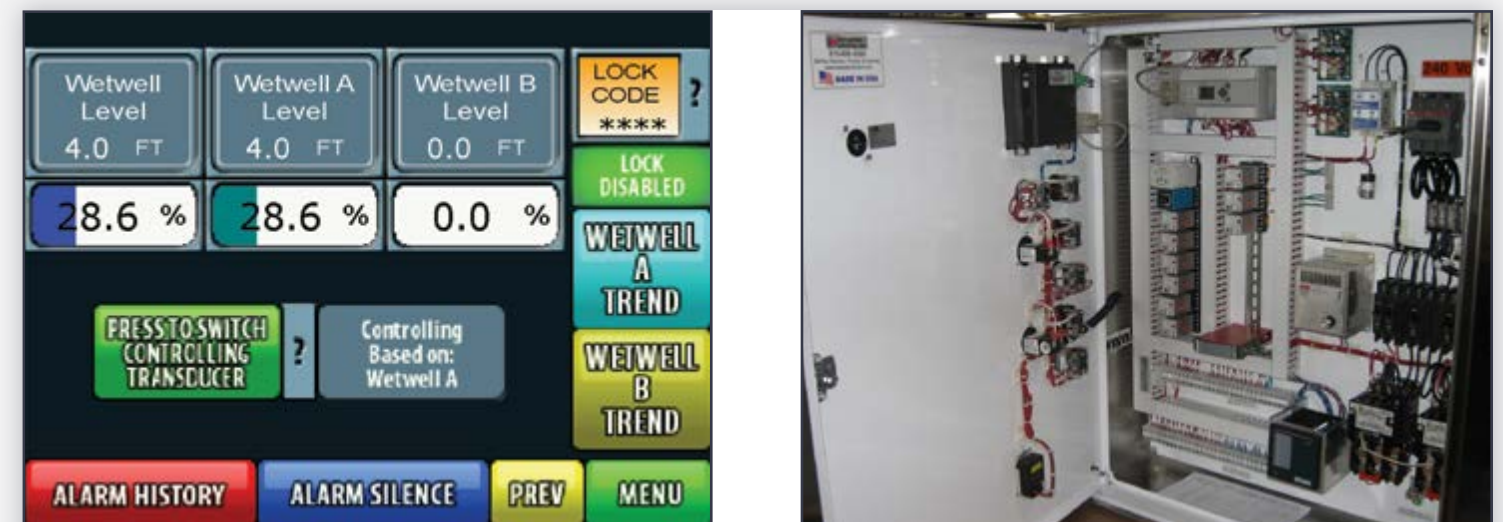
LMS2 Monitors and Trends Data



Monitor and Trend Wet Well Level(s) and Flow (optional)

Standard unit includes inputs for single/dual level transducer(s) and/or flow meter transmitter signal (4-20 maDC). Level monitoring and trending shows history and optional flow trending provides previous 24-hour, daily, and running totalizer readouts. Operator can further benefit by connecting to larger SCADA system (if desired by others, not included) for archiving, alarm notification, reports, etc. The information shown on a variety of screens provides alarm information, data needed for reports, aid in troubleshooting, and helps with preventative maintenance.

Communication Options



Remote Access and SCADA Communications Capabilities

The LMS2 is capable of speaking many industry standard protocols for integration into your Supervisory Control and Data Acquisition system. Protocols include Modbus/RTU, Modbus TCP, DF1, AB Ethernet/IP.

MetroMail™ Alarm Notification via Email or SMS Text Message

The optional MetroMail™ alarm system is designed to send operators an email and/or text message via the Internet when the controls sense an alarm at the station. Visit www.metropolitanind.com/controlproducts/ to learn more about MetroMail.