

FlowStation

The Evolution of Pump Station Control

FlowStation 110 is a progressive, integrated solution from Control Microsystems. This complete pump station controller is ideal for use in storm and waste water lift stations and common pump-up applications. Whether you are an end-user, integrator, or pump panel manufacturer, the FlowStation 110 increases the value and reduces the cost of your pumping system.

- Complete out-of-the-box pump station controller package
- Effortless installation and configuration with built-in web server
- Convenient monitoring with BlackBerry interface
- Instant event logging and alarm reporting via SMS messaging and email
- Flexible and adaptable with custom functionality
- Enhanced Integration with ClearSCADA host software



Complete Pump Control Package

The Control Microsystems FlowStation 110 is a complete pump station controller for pump-up and pump-down applications. With its built-in web server and user-friendly configuration interface, FlowStation 110 can be set up locally by field technicians or remotely by system engineers, and as such is ideal for stand-alone installations or as part of a greater SCADA network. The FlowStation 110 components consist of a dedicated pump controller, a color touch-screen local operator interface (Vision 221), and a GPRS modem for remote web browser, SMS, and email alarming, or a serial or Ethernet radio for SCADA connectivity.

Contemporary Interface Options

An exciting feature that FlowStation 110 brings to the mix is the integrated BlackBerry interface (Bold model) for basic viewing and alarm acknowledgement. Local configuration and operation is handled with connections to laptop computers and optional touch-screen interface via industry-standard Modbus/USB, serial Modbus RTU, and Modbus/TCP protocols. For larger water control systems, FlowStation 110 provides interface tools that exploit the product's integrated web server and Ethernet capabilities, making the product accessible wherever the Internet or WAN/LAN is available

Reduced Power Consumption

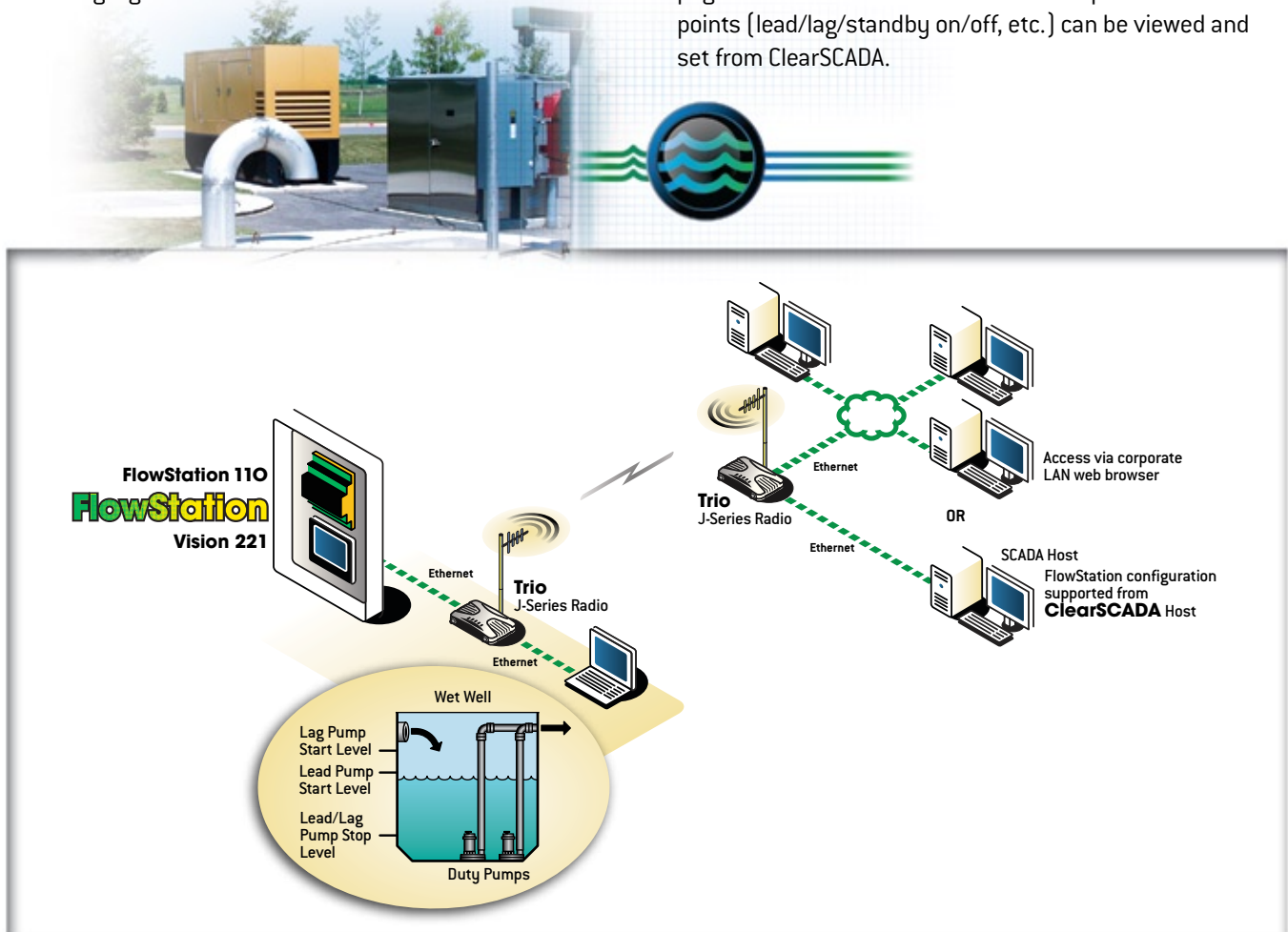
To efficiently manage power use and related costs, FlowStation 110 supports the monitoring, calibration, and alarming of pump current draw, as well as minimizing energy consumption during peak demand periods through the use of up to three alternate setpoint groups. In addition, digital float switch and analog tank level signals (level sensors not included) are used by FlowStation 110 to manage up to three pumps with a lead/lag/standby pump-switching algorithm.

Custom Functionality

Integrators and pump panel manufacturers that serve the lift station market know that custom functionality is often required. FlowStation 110 provides the tools to extend its features beyond the out-of-the-box functions to support options such as: Modbus connection to motor protection relays, control of vent fans, backup generators, oxygen injection, and additional pump interlocks. These and other custom features can be implemented using optional TelePACE Ladder Logic or C++ programming. Now you can concentrate on adding your own value without having to worry about basic lift station functionality.

Enhanced Integration

FlowStation 110 facilitates integration within existing SCADA systems and includes pump station templates containing over 200 I/O points, all pre-configured and addressed for instant use with Control Microsystems' SCADA host software, ClearSCADA. New pump stations can be brought online easily and quickly by configuring just three parameters. Templates mimic the HTML configuration pages available in the controller and all operational set points (lead/lag/standby on/off, etc.) can be viewed and set from ClearSCADA.



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