Applications:
• Wastewater Pump Station Level Control
• Water and Wastewater Plant Level Control
• Storm Water Level Control
• Liquid Level Control for Tanks
• Holding Pond Level Control
• Most Liquid Level Control Applications

Features:
• Controls up to 4 pumps with built-in alternation and time delay between pump starts.
• Accepts 2 types of sensors including any 4-20 mA level transmitter and floats switches.
• Automatically selects a backup sensor in the event the primary sensor fails. If the primary sensor fails then the system will operate with a backup 4-20 mA signal sensor (optional) or backup floats.
• On, Off, High, and Low setpoints adjustable from front panel or remotely via serial port.
• 40 segment bargraph displays level, and setpoints.
• External digital level display available.
• Pumps, sensors, and alarms status indicators on front panel.
• Front panel test knob for simulated level input testing.
• 4-20 mA signal output proportional to level.
• RS-232 serial port for SCADA communications support.
• Uses non-volatile memory allowing system to retain program software and setpoints during power loss.
• Proven software that allows for easy setup and reliability.
• Custom software available from factory.

Specifications:
Input Power:
• 12 VAC ±10%, 3 A max.

Operating Temperature Range:
• -30°C to +60°C (-22°F to +140°F)

Accuracy:
• ±0.25% of span

Display Resolution: 2.5%

Ranges:
• Limited to external level sensor pressure range

Inputs (Non-isolated):
• 4 - Pump disables
• 4 - Float switches
• 1 - 4-20 mA level sensor (standard)
• 2 - 4-20 mA backup level sensors (optional)

Relay Outputs:
• Pump 1, 2, and 3 - SPST Form A - 15 A at 125 VAC
• Pump 4 - SPDT Form C - 10 A at 125 VAC
• High and Low Alarm - 5 A at 125 VAC

Discrete Outputs:
• System Error - Open Drain FET, Non-isolated

4-20 mA Current Loop Output:
• Non-isolated transmitter
• Total compliance of 12 VDC

Transient Protection:
• Metal Oxide Varistor

Interconnect:
• Pluggable terminal blocks (screw type)
• Relays quick connect terminals (#250 tab)
• DE-9 connector for RS-232 Bus

Communications Protocol:
• Modbus ASCII

External Dimensions:
• 6.10”H x 7.70”W x 3.70”D