

Duplex Multi-Function Panel

Liquid Level Controller



Intelligent Pumping Solutions

The **Duplex Multi-Function Liquid Level Controller** is a customizable system designed for 3 to 4 floats or a transducer. Engineered for simplicity, it streamlines both specification and ordering processes while ensuring seamless field installation. This advanced controller integrates effortlessly with existing technologies, offering a reliable and efficient solution for liquid level management.

A **Versatile Control Solution**. Designed to meet a wide range of applications, this flexible control panel supports both floats and transducers, allowing users to maintain a consistent control design across various scenarios. This simplifies maintenance and reduces the need for multiple components. For pump distributors and rental companies, it offers the advantage of stocking a single panel design, ensuring quick and efficient deployment in emergency situations.

Features & Functionality:

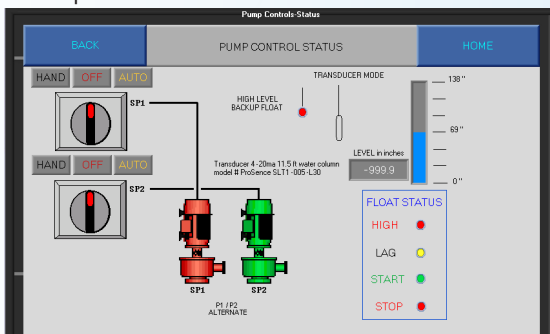
- **Easy Setup:** Quickly configure transducer set points during installation.
- **Expandable Design:** Built for future functionality enhancements.
- **Redundant Operation:** Integrated high-level float ensures pump operation in case of failure.
- **Remote Access:** Optional Ethernet card for PLC allows access via phone, PC, tablet, or laptop, with configurable read-only or full control.
- **Optional BACnet Integration:** For seamless communication in automated systems.

Save Time & Money:

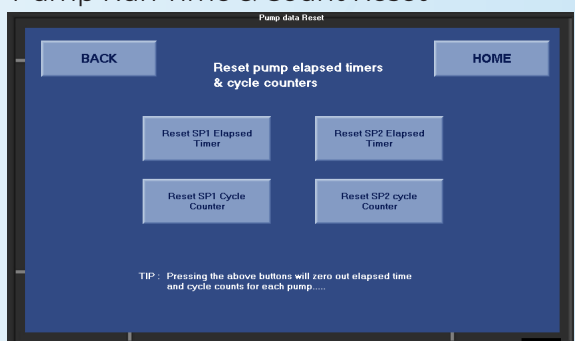
- **Streamlined Ordering & Stocking:** Simplifies inventory management.
- **Cost-Effective:** Reduces costs by eliminating the need to order individual features separately.
- **Reduced Maintenance Costs:** The versatile design minimizes the need for multiple components, lowering both maintenance & replacement expenses.
- **Faster Installation:** The simplified setup and versatile control panel ensure quicker installation, reducing labor costs and downtime during emergency situations.

Screen Display Examples:

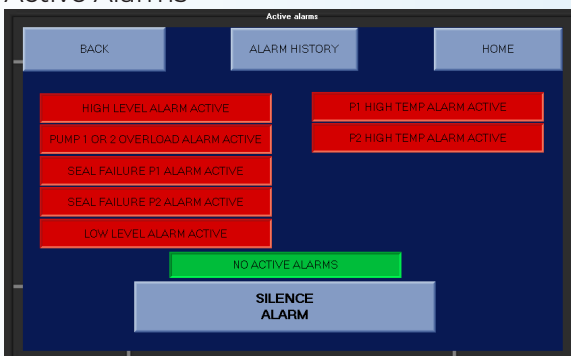
Pump Status



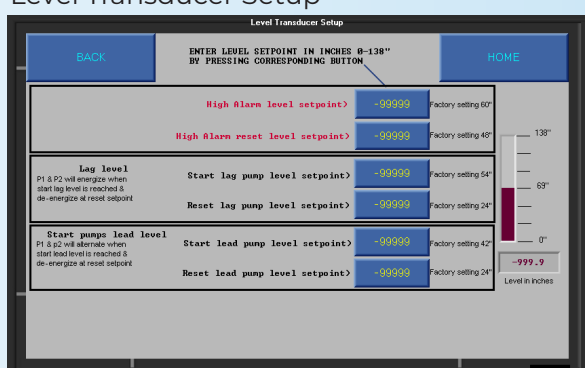
Pump Run Time & Count Reset



Active Alarms



Level Transducer Setup



Standard Features

Beacon Light

Disconnect Handles

Touchscreen with Status Monitoring

Override Switches

Outer Door



Standard Options:

- Enclosure available in: Stainless Steel, poly-carbonate or metal epoxy coating
- Standard enclosure dimensions: 24 in (610 mm) x 20 in (508 mm), x 12 in (305 mm), other sizes available
- Standard module offers ability to activate seal failure or thermal protection.
*Optional upgrade available to intrinsically safe version.
- Variable Frequency Drive (VFD) package can be installed with set point speeds, speed control, a potentiometer, or a Proportional, Integral & Derivative (PID) maintained set point.
- NEMA contactors

Hardware	Alarm Notification	Graphical Control
<ul style="list-style-type: none"> • NEMA 3R Painted Steel Enclosure w/ inner door • Steel Back Plate • 7 in (177.8 mm) Touch Screen • Molded Case Circuit Breakers • IEC Contacts • Control Transformer • Control Circuit Breakers • Lockable Disconnect Switches • Individual Pump Disconnect Switches • Anti-Condensate Heater w/ Thermostats • Seal Minder® & Thermal Switch Relay • UL 508a Listed 	<ul style="list-style-type: none"> • High Level Dry Contact • Low Level Dry Contact • Pump Overload Dry Contact • Active Alarm Display • Alarm History (Time & Date) • Beacon Light & Audible Horn • Silence & Test using Touch Screen 	<ul style="list-style-type: none"> • Pump status • Hand / Off / Auto • Hour Meters • Cycle Counters • Built-in Pump Alternation • Graphical & Numerical Level Indicators • Float Level Status • Seal Fail Status • Temperature Status

Typical Applications

Sewage Lift Stations:

Ensures smooth operation & maintenance with features including optional remote monitoring for real-time insights and alerts.

Dewatering:

Provides precise liquid level and pump management with customizable options for construction, mining, & other waste management needs.

Rental Fleets:

Offers a robust, flexible solution with simple field setup & enhanced system capabilities, and optional remote monitoring, ideal for fleet management.

Industrial Wastewater:

Delivers effective monitoring and control of multiple pumps and system health, with optional features and remote oversight.



	Panel Part Numbers		
Pump FLA	208 Volt	230 Volt	460 Volt
4 - 6	CB52-3BD-CA-A0000	CB52-3CD-CA-A0000	CB52-3DD-CA-A0000
6 - 10	CB52-3BE-CA-A0000	CB52-3CE-CA-A0000	CB52-3DE-CA-A0000
9 - 13	CB52-3BF-CA-A0000	CB52-3CF-CA-A0000	CB52-3DF-CA-A0000
12 - 18	CB52-3BG-CA-A0000	CB52-3CG-CA-A0000	CB52-3DG-CA-A0000



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