

# Liquid Level Control Panels

The RAM LLCP product system is an engineered product meeting present and future requirements of municipal sewage collection grids. Flexibly arranged, the LLCP standardizes functions most useful for reliable operation of remote pumping stations.

Designed specifically for control of submersible pumps, the LLCP system will improve pump operation and lengthen service life. Maintenance is minimized and easily performed.

Pumps through 600HP may be controlled by the LLCP system. Various starting methods are possible from across-the-line to reduced voltage to solid state to VFD.

The LLCP-VFD product will dramatically improve station performance and provide significant energy savings.

System reliability can be enhanced by specifying optional features which make contingent adjustments as required.

By virtue of integrated manufacturing, RAM is able to offer competitive pricing for LLCP. Enclosure fabrication and other manufacturing processes are performed internally. Typical panels are supplied with short lead time and are built to RAM high-quality manufacturing standards.

## Panel System for Remote Pump Station Control and Monitoring

### Standard Features

- Simplex, Duplex, or Triplex
- NEMA 4X Stainless Steel Enclosure (NEMA 12 or NEMA 4X Fiberglass also available)
- Single Handle Door Locking Mechanism
- Hinged Inner Door
- Enclosure Heater/Thermostat
- Main Disconnect Switch
- Pump Elapsed Time Meters
- NEMA Rated Starters
- Coil Surge Suppressors
- Motor Overload Relays with Phase Differential Protection
- Branch Circuit Breakers Protecting Each Pump Circuit
- 24VAC Control Voltage
- Utility Phase Voltage Monitor
- Flashing Alarm Beacon
- Alarm Relay
- Available Alarm Contact for External Dialer
- Pump Alternating Logic
- Lightning Arrestor
- Terminal Strip Located in Bottom of Enclosure for Control Connections
- Incoming Power and Pump Motor Terminations Located in Bottom of Enclosure
- Illuminated HOA Switches with Indication of Next Pump to Start
- Red "RUN" Indicating Lights
- Space Available for Customer Installed Options
- UL, CUL

For Customer Service, Technical Support, or to Obtain a Quote, Please Call or Email

**800-999-8183**  
sales@ramusa.com



### Optional Features

- RAM DSC (Digital Station Controller) with LCD Interface Screen.



- SCADA RTU Interface
- Solid State Motor Starters
- Reduced Voltage Starters
- Variable Frequency Drives
- VFD Bypass System
- Level Input Backup Circuit
- Interlocked Main Circuit Breakers with External Generator Receptacle
- Alarm Siren with Silence PB
- Controller UPS Backup Power
- Intrinsic Barrier and Relays
- Seal/Thermal Relays
- Pump Motor Current Sensors
- Main Ground Fault Protection
- Float Status Indicating Lights
- GFCI Convenience Receptacle
- Surge Capacitors
- TVSS
- SCADA Internet Gateway

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