

# LLC water level control

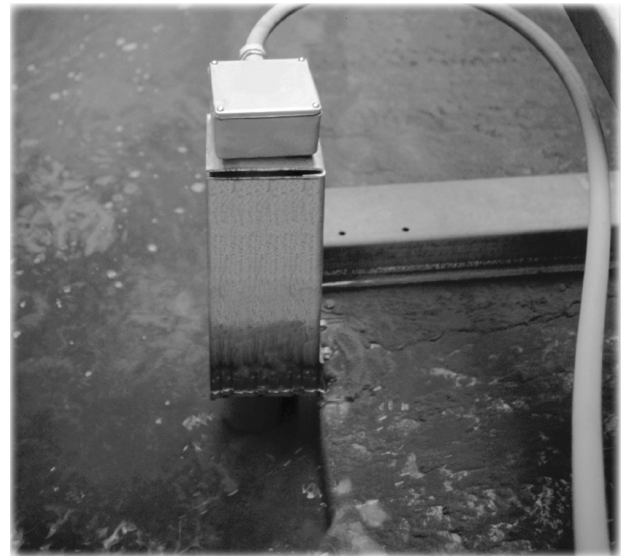
PROBE TYPE SYSTEM

engineering data  
and specifications

LLC water level controls provide a state of the art system to control and monitor the water level in the cooling tower collection basin. Relays operating in conjunction with suspended stainless steel electrode probes, monitor basin water levels, providing simple solenoid valve water makeup or discrete ON/OFF signals to more sophisticated automation controls. Optional configurations include makeup along with high and low water level alarm and cutoff, or pump cutoff. Packaged systems including any of these variations are available.



Typical Probe System

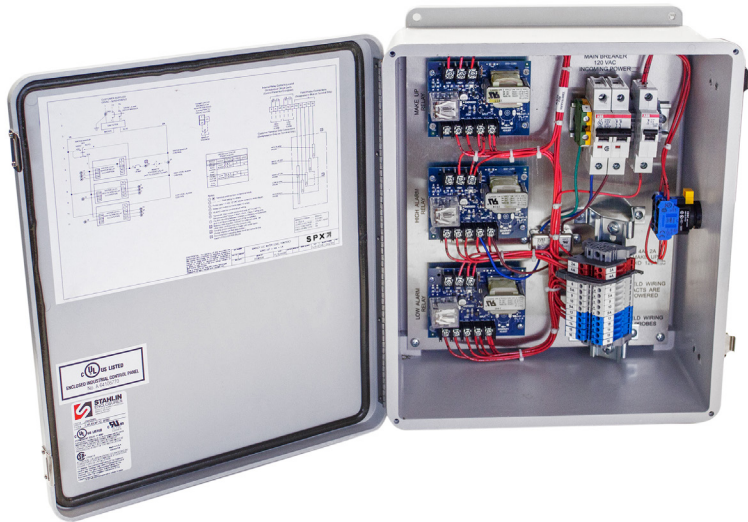


Electrode probe installed in a Marley NC® Cooling Tower

The electrode probe tips are 303 stainless steel suspended from a noncorrosive PVC enclosure box with 30 feet of wire lead for each probe. A galvanized or stainless steel metal stilling chamber is installed over the probes to calm the water for accurate readings.

An enhanced control panel that includes water makeup controls and solenoid valve is available as an option. A complete system includes the LLC control panel, hanging probe system with stilling chamber and a solenoid valve for water makeup.





## LLC Control Panel Features

- NEMA 4X fiberglass enclosure
- Mounting flanges located top and bottom
- Outdoor rated
- Stainless steel continuous hinge
- Swing out lid with stainless steel clamps
- Lock-out capabilities
- 14"H x 12"W enclosure for configurations with up to 3 cards
- 18"H x 16"W enclosure for configurations with up to 5 cards

## Electrical Components

- Main breaker disconnect
- Requires a 120VAC dedicated supply – other voltages available
- HAND-OFF-AUTO selector switch for manual fill control when makeup card is used
- Output contact for makeup card is internally powered with 120 VAC for use by customer
- User terminal points for connecting field devices e.g. solenoid, water level probes and alarm devices
- Terminal strip raised for easy access
- Wiring diagram and user manual
- Built to UL and C-UL standards
- Single enclosure for all control cards
- Level cards as required for following conditions:

Make up	High alarm
Low alarm	High level cutout
Low level cutout	



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