

## **AUTOMATIC MAKE-UP WATER LEVEL CONTROLLER--WLC-200**

- A. Pool water level shall be maintained by an automatic water level controller Model WLC-200.
- B. Controller package shall consist of a bracket mounted 3 probe housing, 3 stainless steel probes, a 2" clear plastic probe chamber with mounting clamps, a control panel housing a liquid level relay, a delay timer and a 110 volt, 24 hour timer. All controller components and housing shall be UL listed. Unit shall be Neptune-Benson Model WLC-200 water level controller or approved equal.
- C. Water level shall be controlled by the use of a three probe electrode system; high level, low level and ground. A mechanical linkage or float operated system will not be considered equal.
- D. Probes shall be housed in a hard thermoplastic housing that is mounted to a stainless steel bracket by a ¾" bulkhead fitting. Stainless steel probes are to extend into a clear 2" water level reflecting chamber that is to be mounted below the probe housing with clamps provided. A 2" PVC line shall be connected to the bottom of the clear chamber from the pool wall to reflect the water level in the pool.
- E. Wiring from the probes shall be connected to the relay that is mounted within a corrosion-free, non-metallic NEMA 4X enclosure. The enclosure size shall be no less than 8" wide x 10" high x 5" deep. The access door shall be the entire front face of the enclosure with a vertically mounted stainless steel hinge equal to the full height of the door. Stainless steel hasps with locking loop latch shall be permanently secured to the enclosure.
- F. Mounted within the enclosure shall be a liquid level relay, adjustable delay timer, 24 hour clock/timer and terminal board. Major components shall be plug-in type for instant replacement without wiring. Unit shall be suitable to activate any 110 volt (220 volt available) circuit for solenoid valve, pump or other method of providing makeup water.
- G. All wiring connections shall be made through the bottom of the enclosure.
- H. Solenoid valve shall be " N.C., slow closing.