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Levolor[®]

Electronic Water Leveler

Model K-1100

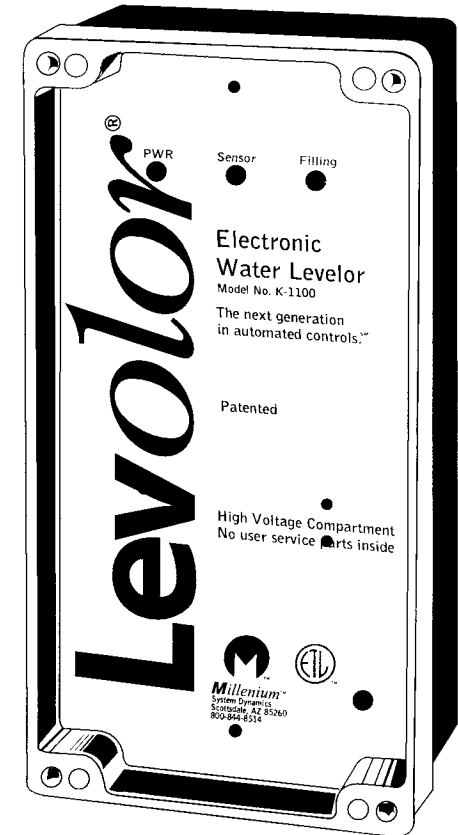
INSTALLATION INSTRUCTIONS

THEORY OF OPERATION

Levolor is the alternative choice of contractors over mechanical floats; because it's trouble-free, easy to install and there are no moving parts. LEVELOR is a computer-controlled device that detects a low water condition and automatically replaces the water to a pre-set level. LEVELOR works well on new and existing pools and spas. LEVELOR can be used in any situation where a consistent liquid level is desired (i.e., pools, spas, aquariums, ponds, reservoirs, storage tanks, water cooling towers, etc.).

IMPORTANT SAFETY INSTRUCTIONS

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. WARNING: To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
3. SAVE THESE INSTRUCTIONS.
4. Sensor wires must be continuous and not spliced.
Call factory with any questions: 1-800- 844-8514
5. Solder all low voltage wire connections when possible and always use grease-filled wire nuts on low voltage connections.

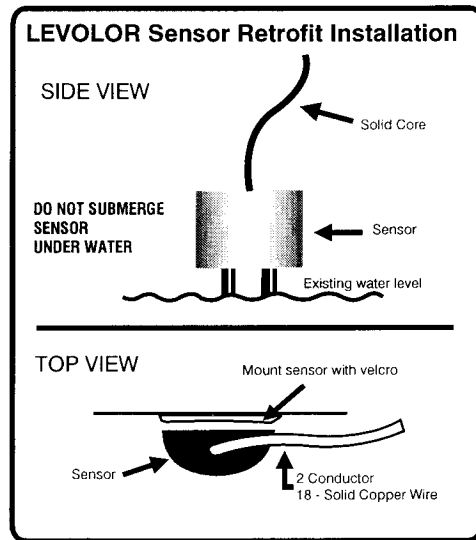


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LEVOLOR REQUIRES THREE COMPONENTS

1. Sensor
2. Control Box
3. 24v Solenoid Valve (not included but available)

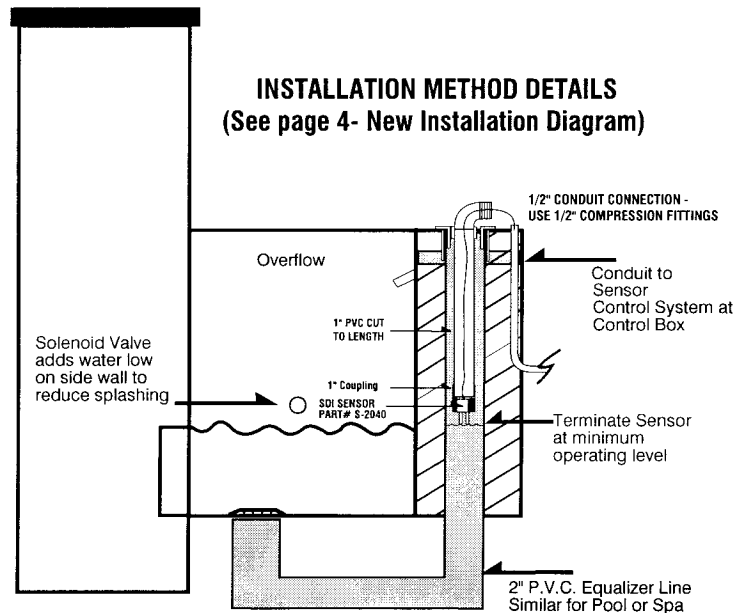
System Dynamics provides the controller and the sensor with 50ft. of wire. The sensor wire must be continuous. When using the static pipe method glue all one inch fittings only. Do not glue 2 inch fittings. The solenoid valve can be obtained from SDI or perhaps a pool distributor. We recommend the use of a one inch solenoid valve and 18 gauge wire direct burial style. The SDI supplied valve is made by Buckner and is a VP-10. It has a pressure rating which cannot exceed 75 PSI.



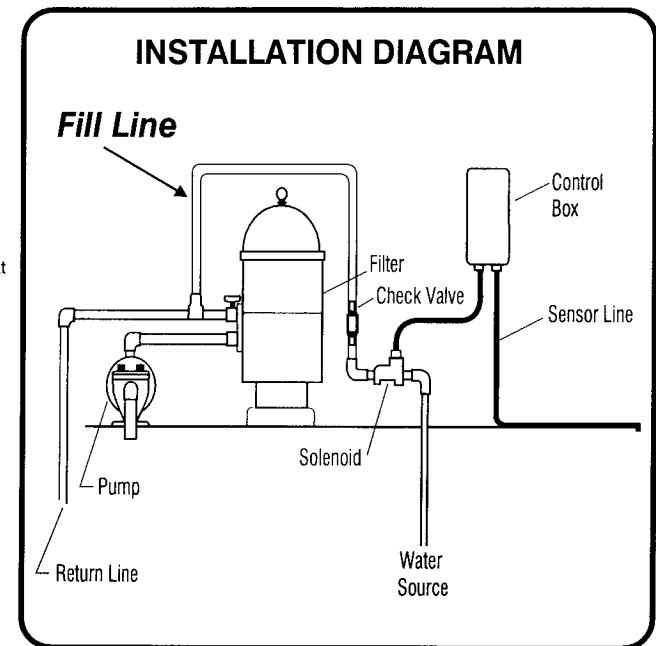
The Sensor is half-moon or 1" slip style with 50 ft. of wire at the top and two stainless steel contacts at the bottom. The half-moon Sensor can be mounted with a suitable adhesive in the skimmer throat behind the whirl door arc. The slip style can be mounted in a stand pipe or static pipe. (see page 4 for more details)

A FEATURE OF THE LEVOLOR IS A TIME DELAY

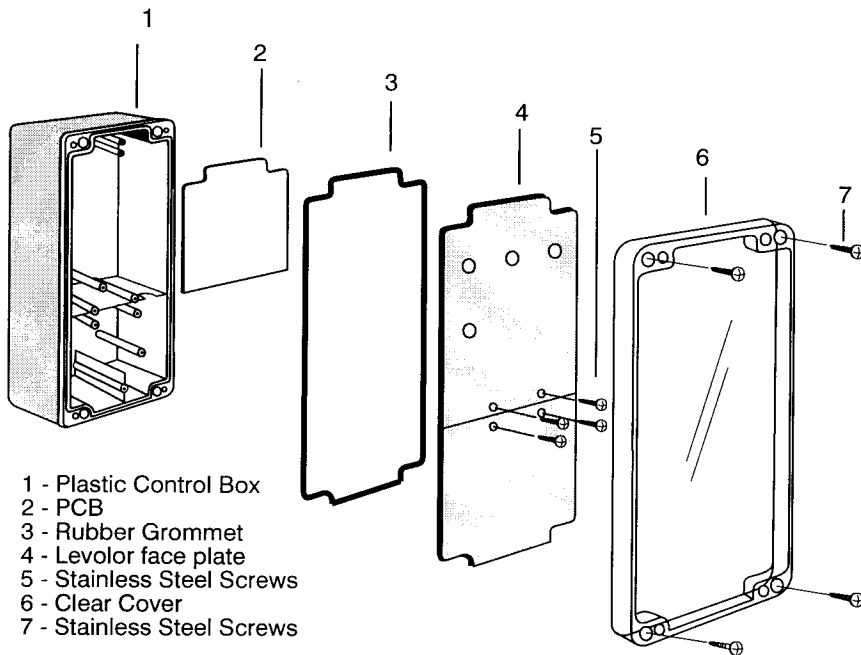
This feature acts to prevent wave action from overflowing the pool and prevents water hammer conditions on the solenoid valve. The delay is seventeen seconds.



EXAMPLE OF VANISHING EDGE POOL DESIGN BY QUESTAR POOLS OF CALIFORNIA USING THE LEVOLOR



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- 1 - Plastic Control Box
- 2 - PCB
- 3 - Rubber Grommet
- 4 - Levolor face plate
- 5 - Stainless Steel Screws
- 6 - Clear Cover
- 7 - Stainless Steel Screws

The Control Box is mounted near the Pump and Filter or in any suitable location. The LEVOLOR is available in 110VAC or 220VAC and in most cases should be wired to the load side of the time clock, this wiring method prevents the water supply from operating during unwanted hours of the day. LEVOLOR can also be wired directly to the power source for continuous operation. The controller has three (3) LED displays which illuminate to determine power on, sensor activated, and fill cycles.

