

Levolor® Electronic Water Leveler

LEVOLOR/LX2

INSTALLATION INSTRUCTIONS

Static Pipe Installation Only

Levolor is a user friendly electronic water level controller for new and existing swimming pools or fountains.

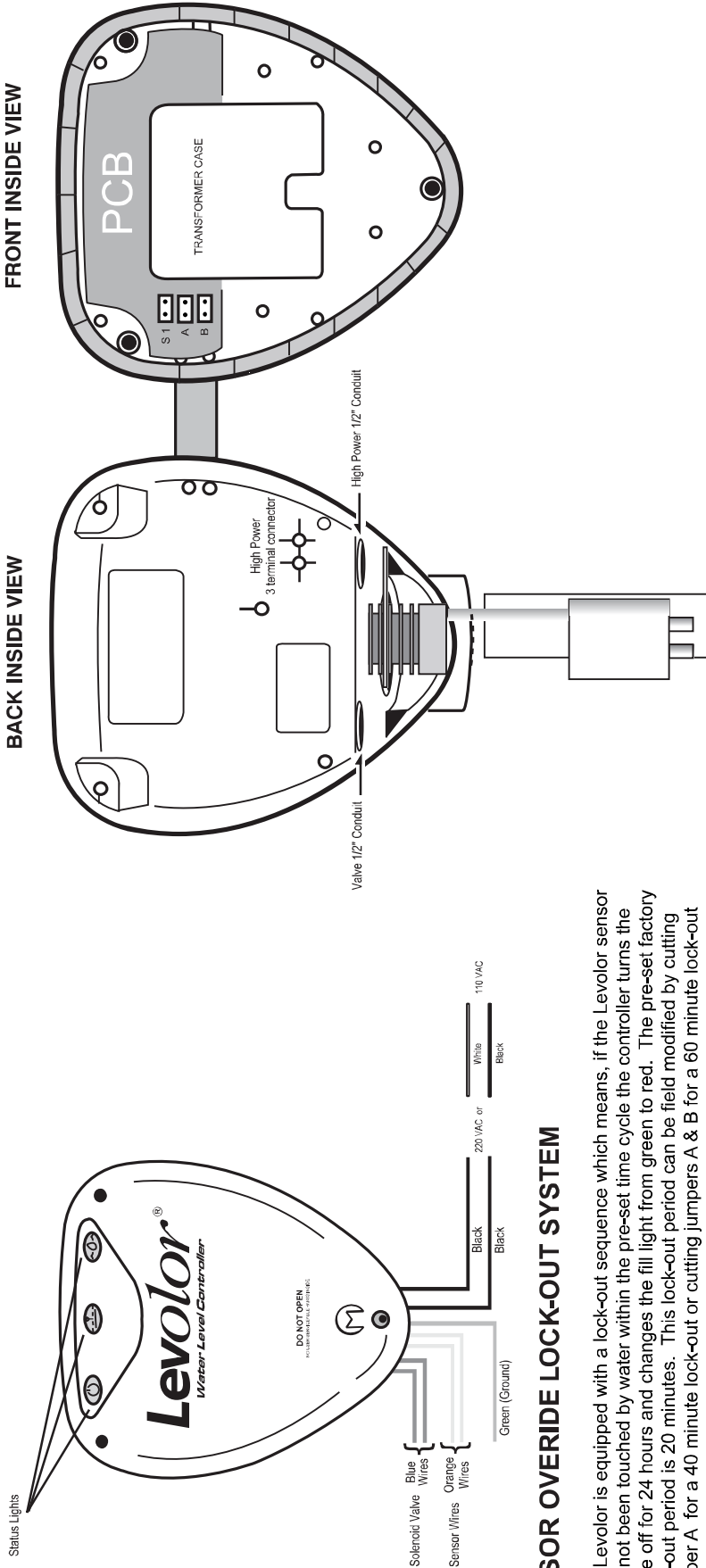
A feature of the Levolor acts to prevent wave action from overfilling the pool and prevents water hammer conditions on the solenoid valve.

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 FOR THE CONSUMER.
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.
6. Use proper ABS/PVC glue. 793 IPS brand for ABS/PVC.
7. Do not use PVC primer.



Electronic Water Level Management Systems



BACK INSIDE VIEW

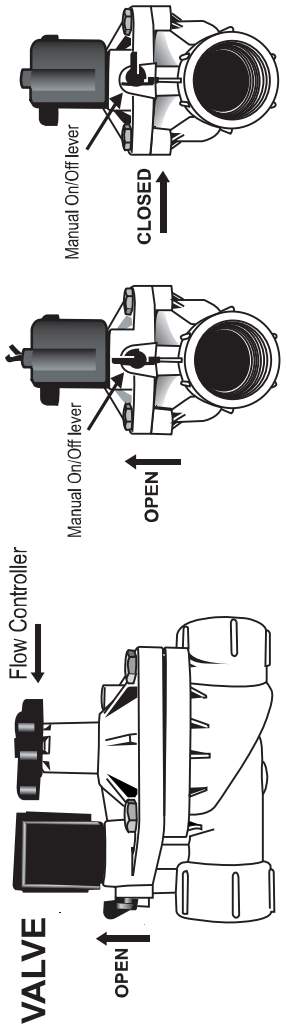
FRONT INSIDE VIEW

SENSOR OVERRIDE LOCK-OUT SYSTEM

1. This Levolor is equipped with a lock-out sequence which means, if the Levolor sensor has not been touched by water within the pre-set time cycle the controller turns the valve off for 24 hours and changes the fill light from green to red. The pre-set factory lock-out period is 20 minutes. This lock-out period can be field modified by cutting jumper A for a 40 minute lock-out or cutting jumpers A & B for a 60 minute lock-out period. To disable the lock-out feature completely cut jumper S-1.
2. SPA INSTALLATION - When installing Levolor on a spa (anything less than 300 square feet of surface area) reduce the flow rate of the valve by turning the flow control down.
3. For 110VAC or 220VAC operation, verify that the unit is marked for the correct input to be supplied to the unit. Connect the input power to the high power terminal. ALL LEVOLORS ARE MADE THE SAME- ALL 220 CONTROLLERS HAVE 2 BLACK WIRES AND ALL 110 CONTROLLERS HAVE A BLACK AND A WHITE WIRE. Connect black wires to 220VAC or connect white and black wires to 110VAC.
4. Connect the green safety ground to earth ground.
5. Connect the 24VAC water solenoid valve to 18 gauge solid wire using grease filled wire nuts. Then 18 gauge wire connects to blue wires with small blue wire nuts. For valve connection - excess sensor wire should be used.
6. Two water-level sensors are shipped factory-connected to each end of the sensor. Use the half-moon shaped sensor to mount horizontally to an existing skimmer, or alternately use the round sensor to mount vertically, cutting off the unused end. Install the sensor in the appropriate location. Connect the two orange sensor wires to the sensor wire using small blue wire nuts. The wire to the sensors must be continuous.

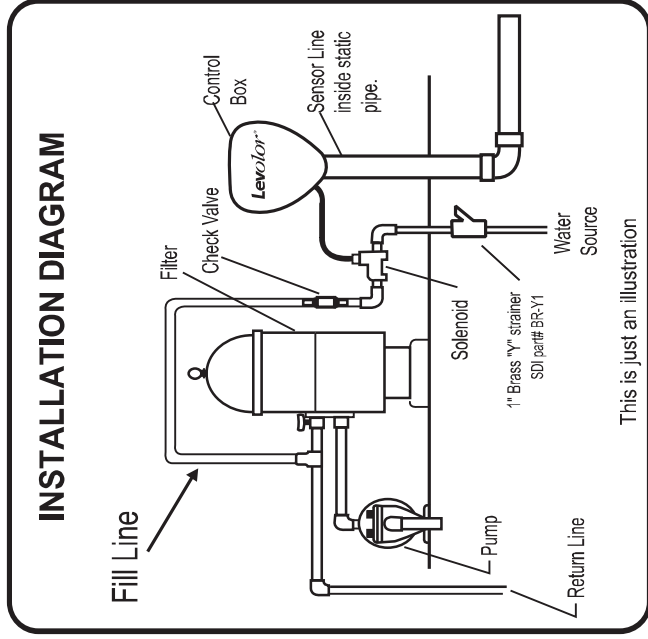
WEATHERMATIC VALVE DIRECTIONS

Your Levolor comes with a 1" solenoid valve that runs 24 Vac. The directional water flow arrow is located on the valve behind the solenoid. On top of the valve is a flow control knob (+) that regulates the water flow up to 30 GPM. There is a Manual On/Off lever located just below the solenoid. When the lever is in the up position ↑ (12'o'clock), then the valve is manually opened. When the lever is in the horizontal position → (3 o'clock), then the valve is closed and will only open with the Electronic Water Levolor.

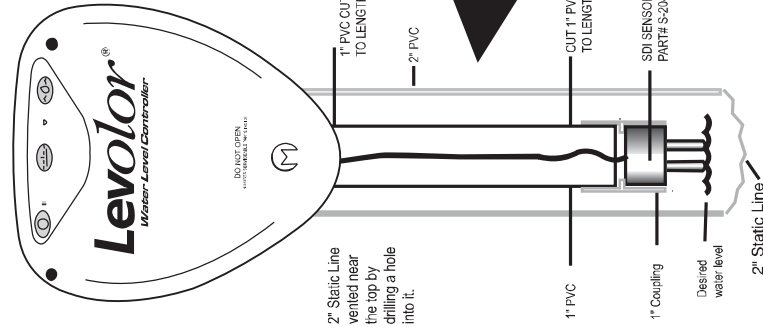


Electronic Water Level Management Systems

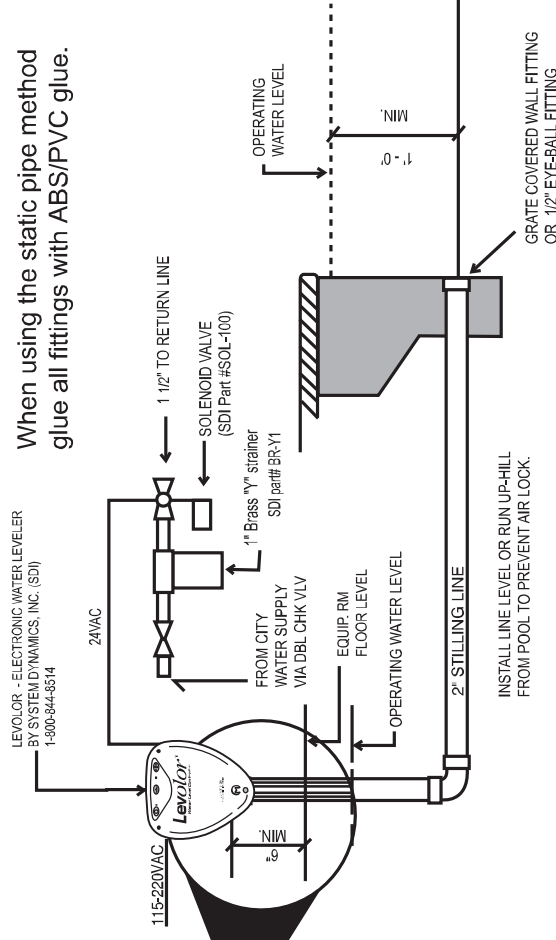
System Dynamics provides the controller, the valve, and the sensor with 20 feet of wire. The controller is wired either 220 or 110 and input voltage requirement should be verified by reading placards. The solenoid valve is included, it is made by Weathermatic. The sensor wire must be continuous and is available in 50 ft. increments up to 200 ft. The pressure rating for this valve cannot exceed 125 PSI. We recommend 18 gauge wire direct burial style for the valve connection, which is the same type of wire supplied with the sensor. Always use excess sensor wire for the valve connection and water-proof wire nuts at the valve connections.



The fill line can be installed directly back into the environment (pool, spa, fountain, pond).



NEW CONSTRUCTION POOL WATER LEVELER SCHEMATIC



When using the static pipe method glue all fittings with ABS/PVC glue.

Parts supplied with S-2040. Sensor includes: Sensor w/20 ft. of wire (do not splice wires and glue all pipe connections.)