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OWNER'S MANUAL

JBJ A.T.O.

Float-Sensor Top Off

Water level controller (original model)

Original float ATO

Original JBJ document inside, unchanged

10
original JBJ pages, unchanged

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Details by email: Jbjnanocubes@gmail.com

Nano ATO auto top-off ›

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1. CAUTION

This product has been developed for the purpose of automatically refilling water for aquariums or sumps due to evaporation.
This ATO (Automatic Top Off) controller has been factory tested to ensure quality control.

1.1 Precaution before use

Please read the entire instruction manual before using the ATO Controller. Failure to read this manual may result in equipment damage and will void warranty.

	Caution: Please observe the procedures and methods in this instruction manual before operation. **Warning**: When the procedures and methods are not observed, reliable performance cannot be guaranteed. This may lead to issues of safety and equipment failure.

1.2 Cautions on Set-up

	Please keep dry and away from water contact. This ATO Controller is **NOT WATERPROOF**. This will lead to malfunction and void warranty. It MUST be installed in a well-ventilated dry surface. Do not operate ATO Level Controller near magnets. Please check reservoir tank accordingly to evaporation rates for proper water levels.

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1.3 Cautions on Output Line

	Please make sure that the output line from the pump/reservoir tank is **NOT SUBMERSED** in the sump or aquarium. This will cause a back siphon and the water will flow back and forth constantly along with the audible alert.

1.4 Cautions on Suction Cups & Linkable brackets

	Your ATO is supplied with suction cups and a linkable bracket holder to keep your float sensors level. We recommend using the linkable bracket holder for a secure hold. Please make sure that male/female connection is fastened correctly and firmly.

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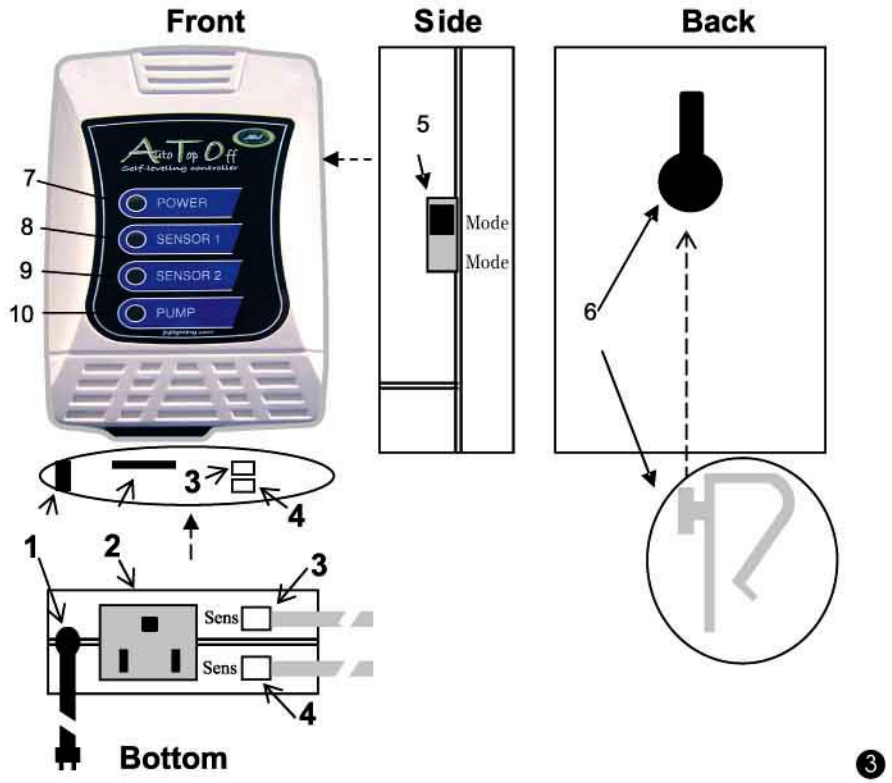
Part Description

1. Powercord
2. Pump Power Output
3. Sensor 1
4. Sensor 2
5. Mode Selection Switch
6. Controller Bracket
7. Power Lamp
8. Sensor 1 Lamp
9. Sensor 2 Lamp
10. Pump Lamp



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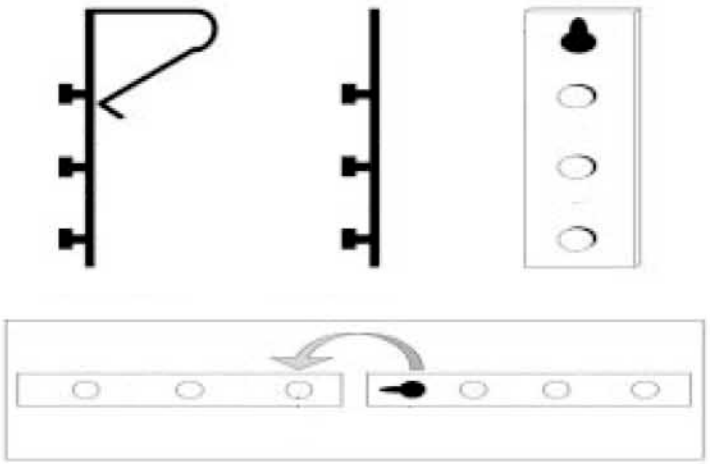
2.1 Linkable Bracket

Connection – Your ATO includes (3) linkable brackets that can be adjusted to fit your desired height. Please make sure that brackets are firmly connected.



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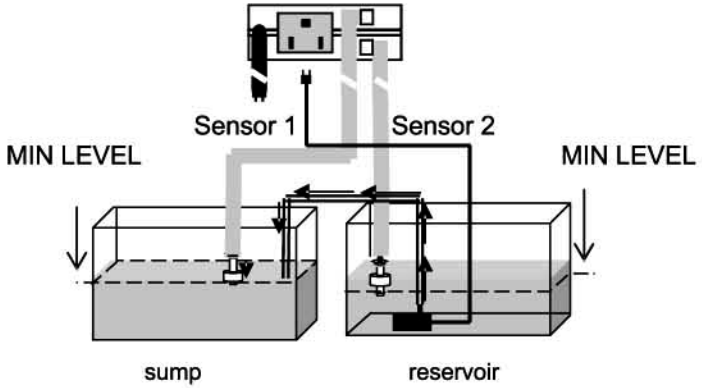
3. Installation Guide

3.1 Mode A (Example 1) Recommended Method



Set Up

Place Sensor 1 in the sump or tank and Sensor 2 in the Reservoir tank.

Function

Sensor 1 detects when water in the sump reaches the "MIN LEVEL" and will activate pump to automatically refill until the water raises the float mechanism. Sensor 2 is placed in the reservoir tank and should be set approximately 1/2" above the pump. If the water in the reservoir reaches the "MIN LEVEL", power to the pump will automatically be turned off to prevent the pump from running dry.

Note

The Pump Lamp will glow "YELLOW" and signal with an audible alert when the pump is in operation mode.

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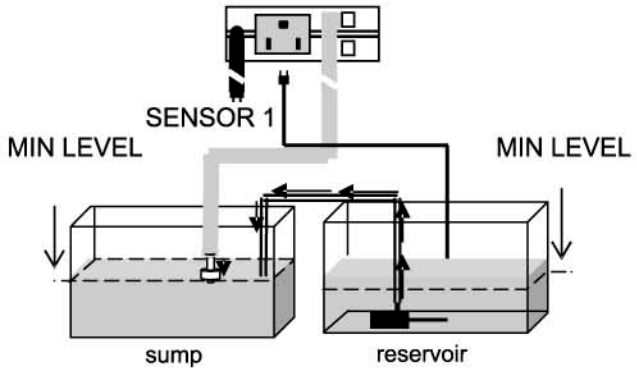
3.2 **Mode A** (Example 2)



Set Up

Disconnect Sensor 2 wire from the ATO Controller in this mode. Place Sensor 1 in the sump or tank.

Function

Floating Sensor 1 detects when water in the sump reaches the "MIN LEVEL" and will activate pump to automatically refill until the water raises the float mechanism.

Note

This mode of operation will not protect the pump if the water level in the reservoir runs low.
The Pump Lamp will glow "YELLOW" and signal with an audible alert when the pump is in operation mode.

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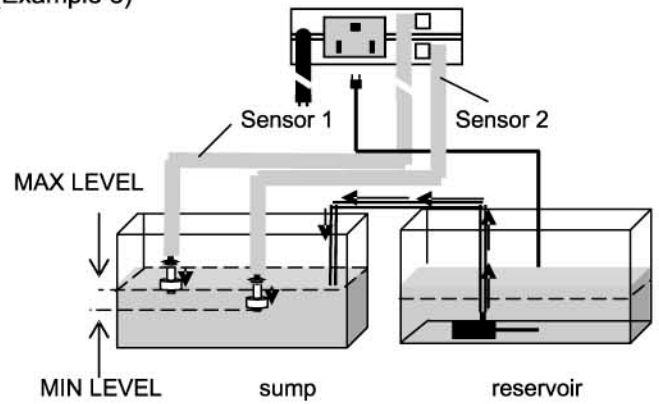
3.3 **Mode B** (Example 3)



Set Up

This mode utilizes both Sensor 1 & Sensor 2 in the sump or tank.
Place Sensor 1 as the "MAX LEVEL" and Sensor 2 as the "MIN LEVEL",

Function

Sensor 2 detects when water in the sump reaches the "MIN LEVEL" and will activate pump to automatically refill until the water rises to the "MAX LEVEL" on Sensor 1.

Note

This mode of operation will not protect the pump if the water level in the reservoir runs low. The Pump Lamp will glow "YELLOW" and signal with an audible alert when the pump is in operation mode.

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4. Warranty Card

ATO Controllers are warranted to the original purchaser against defective material and workmanship for 6 months from the date of purchase. This warranty is valid only under the following conditions: additions, modifications, or changes made to the product by the purchaser and not by the manufacturer shall void this warranty. Damages brought about on by abuse, misapplication or mishandling also voids this warranty. This warranty is limited to the repair or replacement of the product at the discretion of the manufacturer. This warranty does not cover personal injury, property loss, including livestock, or damage (direct, incidental or consequential) arising out of use of this product. This warranty gives you specific rights and you may also have other rights, which may vary from state to state.
This warranty card must be filled out completely and returned with the original UPC CODE on the box within (14) days from the date of purchase. Failure to do so will void this warranty.
Upon discovery of a defect, the ATO Controller should be send prepaid to:

Transworld Aquatic Enterprises, Inc.
3730 Unit 6, West Century Blvd.
Inglewood, CA 90303
Please call our Customer Service lines at (310) 672-4099 between 9:00 a.m. and 5:00 p.m. Pacific Standard Time for warranty claims or technical support.

Product Name: Automatic Top Off – LEVEL CONTROLLER
Model # : ATO
UPC Code: _____
Purchase Date: _____
Customer Name: _____
Phone#: _____
Address: _____
City: _____
State: _____
Zip: _____
Authorized Dealer: _____
State: _____
Purchase Price: _____

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