



Smart ATO

Automatic Top Off



The SR Aquaristik Smart ATO is a must-have for aquarium keepers that want to maintain a consistent water level. Ideal for sumps, rimless or all-in-one aquariums. This sleek ATO is easy to install and drastically reduces maintenance and hassle, keeping aquariums topped off. The quality powerful magnet will securely hold the optical sensor on aquarium thicknesses up to 1/4" or 6mm, making it ideal for almost all applications.

Product Features:

- Quick and easy installation
- Audible alert will quickly notify you if there is an issue with the top off
- Comes complete with all accessories

Contact Us

We'd Love to Hear From You!

SR Aquaristik is dedicated to answering your questions. We are here to help you! We also appreciate your product feedback and new product ideas!

We look forward to hearing from you!

Warehouse Location

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Contact Info

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Instruction Manual



www.sraquaristik.com

Controller & Accessories

- ① Smart Controller Dry side
- ② Smart Controller Wet side
- ③ Power DC Jack
- ④ Pump DC Jack
- ⑤ Power (Green Led)
- ⑥ Alarm (Blue Led)
- ⑦ Pump (Red Led)



Item	Description
SMART Controller	Sense & Control AUTO TOP OFF (All In One)



Power Adapter



Universal Power Supply for Controller

DC Refill Pump



Head: 6.5 feet (200cm)

Water Tube 36" (2m)



Used with DC Refill Pump

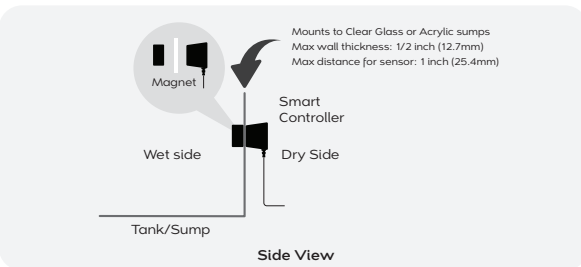
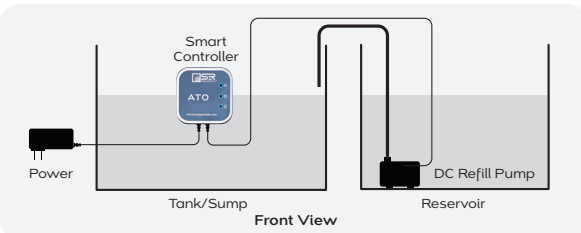
Mounting Bracket



Fix the water tube

Installation

- Mount the Smart Controller (SC) on the clear wall of the tank/sump.
- Connect the DC pump wire into the SC and install the water tubing (Notice to set the ATO output tubing higher than the tank/sump and the reservoir level to prevent siphon).
- Connect the power adapter into an AC socket and then into the SC to initialize.
- Position SC by moving the outside controller under the present water level or 1/5 inch (5mm) higher than the present water level to test the ATO function.



LED Indicator

LED Color	Status	Meaning	Action
Green LED (POWER)	Light on	Power on	
	Flashing slowly	Refilling/Pumping	
Blue LED (ALARM)	Flashing slowly with audible alert	Misalignment	Adjust the alignment of SC, and system will automatically go back to normal after refilling
		Algae	Clean the algae, and system will automatically go back to normal after refilling
Red LED (ALARM)	Flashing slowly with audible alert	Water empty Bubble noise	Add water to the tank/sump, and then reset Reduce the bubble of the tank/sump, and then reset
	Flashing quickly with audible alert	Bad connection (pump)	Reconnect the pump wire by hand, and then reset
		Pump malfunction	Replace the pump to a usable one, and then reset

*Reset: Unplug and replug the power wire.

Auto Feedback Security (AFS) Technology

AFS technology is a smart ATO safety function to protect the ATO system in real-time against any system failure situation.

- Blue LED (Non-filling alert): SC will alert when it sensed the next nonfilling period is 2 times greater than the last period. For example, if the nonfilling period was 13 hours, and SC will alert when the next non-filling period is over 26 hours.

Non-filling period	5h	12h	13h	15h	20h
Next non-filling alert (Minimum 24 hours)	>24h	>24h	>26h	>30h	>40h

*Note: SC will alert if non-refilling period is over 48 hours after installation and first refilling.

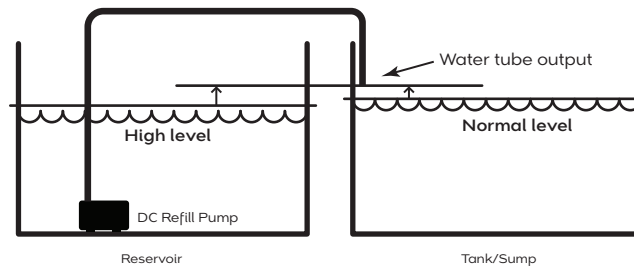
- Red LED (Over-filling alert): SC will alert when it sensed the next refilling time is 3 times greater than the last one. For example, if the SC refills for 10 seconds, and SC will alert when the next refilling time is over 30 seconds.

Refilling time	4s	5s	10s	15s	25s
Next refilling alert (Minimum 15 seconds)	>15s	>15s	>30s	>45s	>75s

*Note: There is no minimum time control for the first refilling.

Safety Instructions

- Please read the manual in detail before installation.
- Keep the power adapter dry and away from water to avoid any safety issues.
- Please clean the sensor every 6 months to prevent non-fill issue.
- Avoid installing controller in an area with micro bubbles or direct lighting.
- The "Water Tube Output" must be higher than the "Normal Level" in the Tank/Sump and "High Level" in the reservoir to avoid a siphon issue.



SPECIFICATIONS

Power Input:	100-240VAC 50-60HZ
DC Pump Head:	6.5 ft (200 cm)
DC Pump Flow Rate:	74 gph (280 lph)
Mounts to Glass or Acrylic walls	
Max Wall Thickness by Magnet	1/2 inch (12.7mm)
Max Distance to Sense:	1 inch (25.4mm)

Warranty Information

- This product is guaranteed for three years from the date of purchase at normal operation.
- The warranty is not transferable.
- Any incorrect operation will not be warranted and will result in a repair fee.
- All warranty repairs are performed by SR Aquaristik. Please contact us to obtain a return authorization number when sending a warranty product in for repair.
- This guarantee is effective at the date listed on your sales receipt.

Enjoy your new
Smart ATO

