



ATO One for RO

Quick Start Guide

2019-01-10



Know ATO One for RO

ATO One for RO is a smart water replenishing device for meeting the needs of using RO water filter system. As long as the sensors and tubing are installed, it can work after powering on without any settings. The sensor uses a magnetic stand for easy installation and adjustment. The standard 1 channel optical level sensor is used to monitor the water level to determine whether it needs to be replenished. A 1-way float sensor is used as standard to prevent overflow. The ATO One for RO has various status indicators and audible and visual alarms.

Packing List

Item	Picture	Description
Controller x 1		1.The controller comes with 2 level sensors S1: Float sensor S2: Optical sensor 2. Optical bracket (large mouth) x 1 3. Float bracket (small mouth) x 1 4. Plastic magnet x 4
Power Adapter x1		DC 12V 1A Support US/EU/GB/ AUS standard
solenoid valve x 1		Used to connect RO water filter system, the water outlet must have pressure
PE tube x 5m		1/4 inch PE tube
Tube Holder x 1		Includes 2 plastic screws
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Panel



- S1: Anti-overflow Sensor
- S2: Refill Sensor
- S3: Freshwater Empty Sensor Jack
- DC12V: Power DC Jack
- Pump: Solenoid Valve Jack
- Power: Power indicator (Green)
- Filling: Refill indicator (Blue)
- Alarm: Alarm indicator (Red)

Alarm and Reminder

State	Alarm	Action
Fast beep, red light flashes synchronously (On 0.1s, Off 0.1s)	solenoid valve is not inserted or faulty	<ol style="list-style-type: none"> 1. Check the solenoid valve connection. 2. If the problem is not solved, replace a solenoid valve.
Medium-fast beep, red light flashes synchronously (On 0.5s, Off 0.5s)	Overflow alarm	<ol style="list-style-type: none"> 1. Check if the S1 sensor is installed correctly. 2. Clean the probe of S1 sensor and put it in the water. If refilling water is constantly on, the S1 sensor is damaged.
Medium beep, red light flashes synchronously (On 1s, Off 1 s)	Timeout alarm	<ol style="list-style-type: none"> 1. Check the optical sensor has stains or foreign objects. 2. Power off and restart

Installation

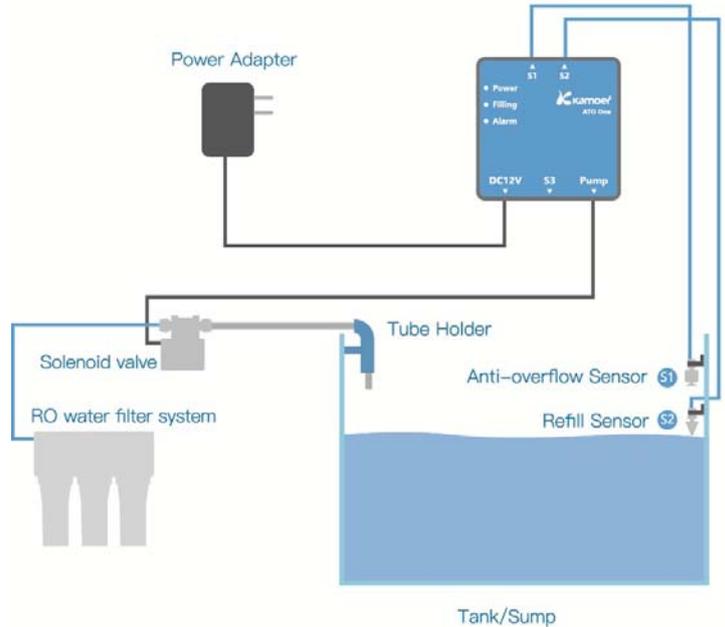
Step 1: Mount the optical sensor (S2) to normal water level. **Note that the optical level sensor should be away from the air bubbles, otherwise it will be misunderstood due to interference.**

Step 2: Mount the float sensor (S1) above normal water level. If the water level reaches this position, it means that the optical sensor has failed, the device will alarm and force the refill pump to stop working. **Note that the float sensor bracket cannot be reversed and should be away from the floater, otherwise the plastic magnet will interfere with the sensor signal;**

Step 3: Connect refill tube (RO water filter system <-> Solenoid valve <-> Tube Holder). **Note the solenoid valve is pressurized to pass water, there is a certain pressure (less than 0.7MPa) required for the water outlet;**

Step 4: Connect the solenoid valve' s cable to the **Pump** jack;

Step 5: Connect the adapter' s cable to the **DC12V** jack and power up the adapter.



Note

- Please use the power adapter that comes with the product.
- The optical liquid level sensor is susceptible to the influence of dirt. Please pay attention to erasing the dirt on the sensor.
- This product does not have waterproof function. Please use it in the environment of temperature 0-40 ° C and humidity <80%.

Warranty

We warrant your product against any defect in material and workmanship, under normal use. In the event a product is found to be defective within the warranty period of **One year**, we will, at our option, repair or replace the defective product. The warranty period starts at the day of purchase. For warranty validation, a proof of purchase must be furnished.

The followings are excluded from the warranty:

- 1.Improper use of the device causing malfunction;
- 2.The device is repaired or modified by an unauthorized person;
- 3.Use of non-produced material by our company i.e. pump tube;
- 4.Damage by disaster;
- 5.Improper maintenance causing damage;
- 6.Use of reagent or sample causing corrosion;
- 7.Damage by accident or over load;
- 8.Consumables, such as silicone tube and fuse etc.