

Sentry ATO

Optical Auto-Top-Off System

Easy Setup Guide

www.Pacific-Sun.eu

Sentry ATO system

Dear Customer,

Thank you for choosing our auto top-off system. Please read the instructions below carefully, so you can fully appreciate its features and functions.

Sentry ATO is the new system created by Pacific Sun for the automatic control of the water level in your aquarium.

Sentry allows the water level of your aquarium to be topped up automatically.

Sentry is an intuitive, user-friendly system, equipped with a sensor for checking the water level and a power supply socket for a top-up pump or solenoid valve.

This compact device is easily concealed, and can in fact be hung inside the aquarium cabinet. (using mount holes or included acrylic holder)

Content of the box

- Sentry main device
- Optical sensor with adjustable acrylic holder
- DC pump with tubin and small tubing holder / Solenoid Valve with 5m cable and plug
- Instructions (This Easy Setup Guide)

Description (photo1)

Config button

DC pump/Solenoid Valve port

Optical sensor port

Carefully choose where to position your Sentry device. It must be easily accessible, clearly visible, not exposed to humidity if possible, and there must be no risk of it falling into the water (aquarium or sump). Keep out of children's reach.

How the system works?

The optical sensor of the Sentry system accurately monitors the water level of the sump or aquarium, maintaining it above center of acrylic cone (optical sensor)

When the water level falls below optical sensor, the system tops up to previous level

(refill time can be set by configure button and default is 5s)

This procedure will be repeated 20 times. If after 20 cycle water level will not back to "normal" level - audible alarm will on and DC pump/Solenoid Valve will turn off.

Installation

Always connect/disconnect any plugs (Optical sensor/DC pump/Solenoid Valve) ONLY when power supply is disconnected from device!

- Mount optical sensor on aquarium/sump wall and adjust height to actual/requested water level
- Connect DC pump/Solenoid valve to Sentry. DC pump should be placed in sump not too close to sump walls or other DC pumps.
- Connect power supply to Sentry device - after few second self checking device will go to Ready mode.

"Ready mode" is represented by pulsing blue light. In this state optical sensor is covered by water and device is working properly.

When water level drop, blue light will change to solid green - device will go to "Refill mode".

After 20 not successful refills device will go to "Alarm mode" - light will change to solid red and there will be audible signal coming from Device.

