**EcolibriumReef - Android**

This is a remote control app based on Android. It uses Bluetooth Serial interface to control EcolibriumReef-Arduino. Its functions are described below.

1. Enable/Disable Auto Top-off

* Enable: reset Auto Top-off after it was disabled by the system due to a malfunction
* Disable: for RO/DI maintenance

1. Turn Auto Top-off Bypass On/Off

Turn the RO/DI system On/Off and direct flow to drinking reservoir.

1. Set Auto Top-off Maximum Duration

Maximum duration in minutes is set by the user. This is a safety feature in case the float switch fails. A timeout will disable the Auto Top-off system and will require a manual reset. Initial duration can be calculated based on the RO membrane rating.

Example: It takes 10 minutes to add ~1/2 a gallon using a 75 gpd RO membrane

However, it must be tested to confirm. Periodic testing is also recommended.

Note: Auto Top-off minimum duration is half of maximum duration.

1. Set Auto Top-off Bypass Duration

Duration in minutes is set by the user. This setting depends on the RO membrane rating, household water pressure, how old the inline pre-filters (sediment and carbon) are and so on.

1. Test Mode

User can use this mode to test or manually turn On/Off each relay.