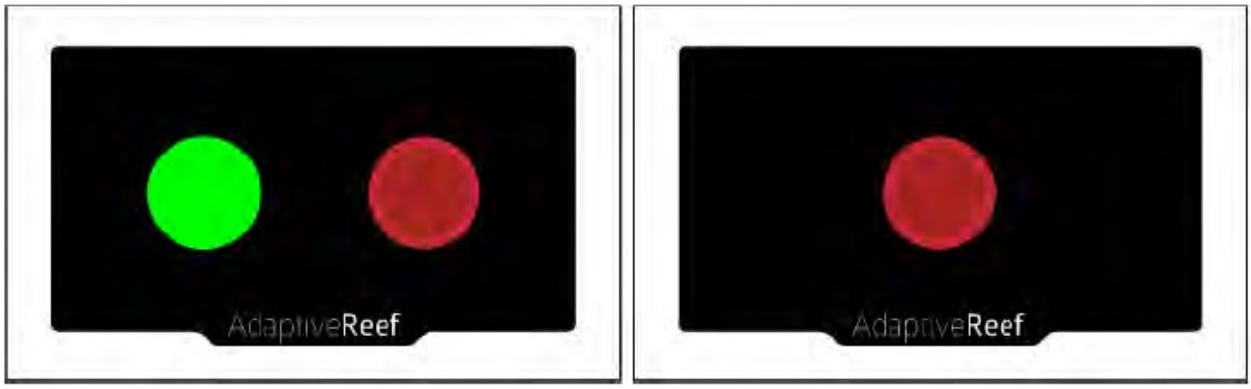
Adaptive Reef 24v Apex Status Indicator System Instructions

Contents

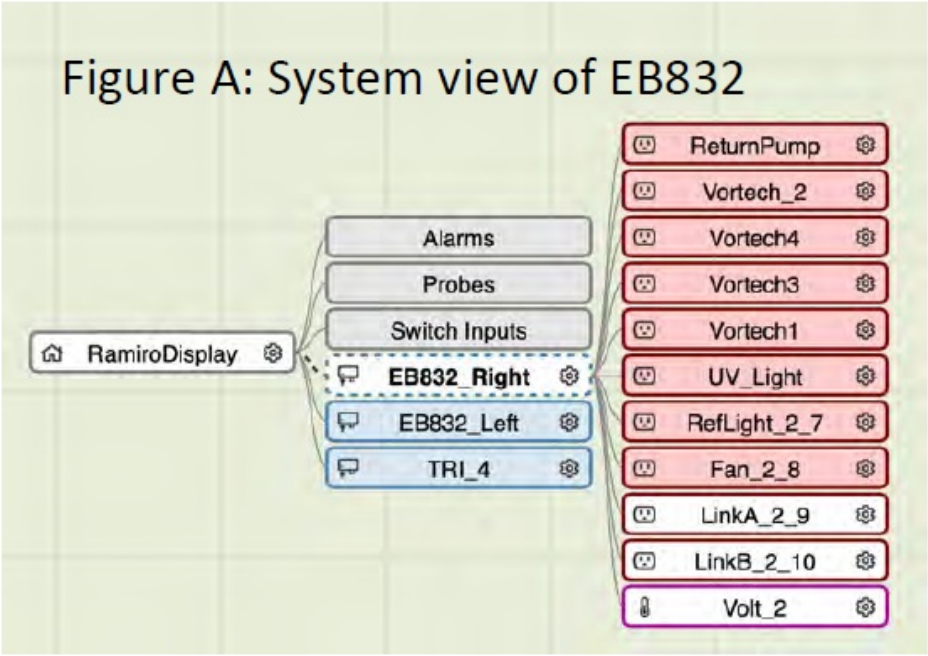
Adaptive Reef 24v Apex Status Indicator System



24v ports are available on the EB832, FMM*, and 1link* module

Finding & Naming the 24v Ports:

If you do not know the name of the 24v accessory ports on any of these modules (eb832, FMM, 1link), you can use the system view to find the outputs. In Figure A, you can see LinkA_2_9 is the upper accessory port on the Eb832, and LinkB_2_10 is the lower port. Note that these can be renamed to be more meaningful.



If you would like the 24v port outlet on your dashboard (optional), use the icon on your home page to see available tiles. Scroll until you find the 24v outlets, shown below. Then you can drag them onto your dashboard. To rename them, click the gear outlet controls.

Now you can name them something meaningful, based on what you plan on plugging into that port. I suggest something like “GreenLED”, “RedLED”, “RedSiren”, etc.

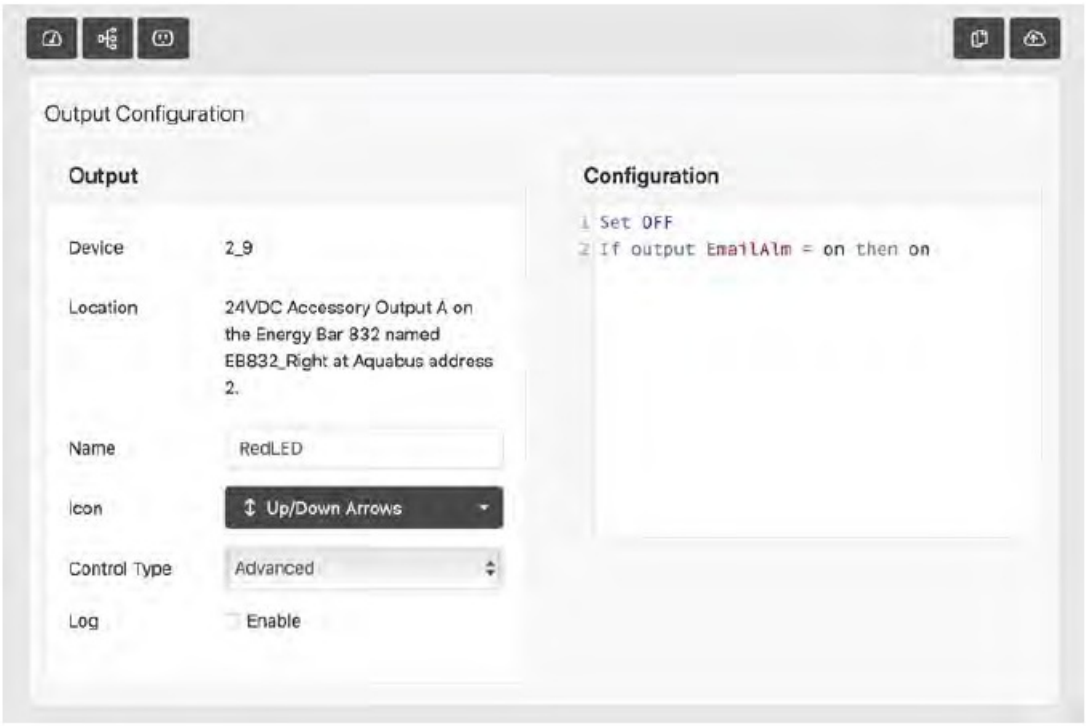
Before:

After

Programming the 24v port based on an existing alarm outlet:

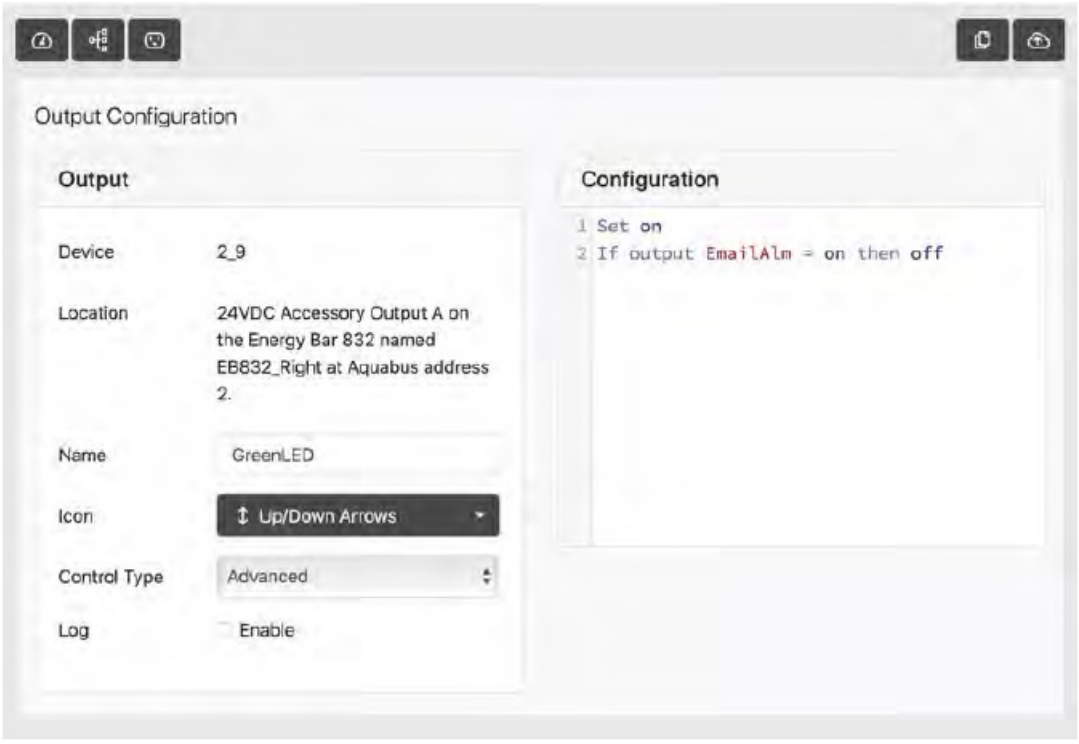
Many Apex users already have set up an alarm outlet with conditions that will notify them. You can program your 24v port to just refer to this alarm outlet, without having to copy over all the data and in the future need to modify both outlets.

Example alarm outlet named “EmailAlm”:



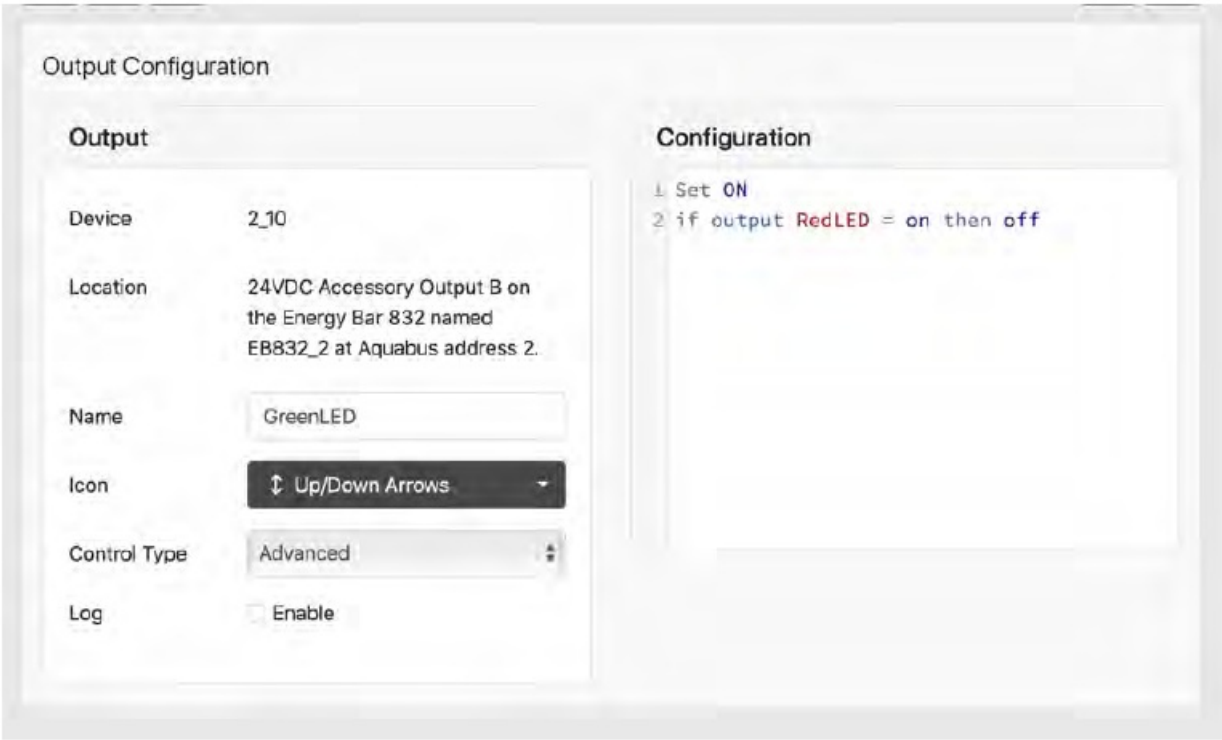
Example for 24v port “RedLED”:

To get your 24v port that we previously named “RedLED” to turn on when that alarm is on (in this case named EmailAlm), you would need to used the advanced code option. Add “Set Off” and “If output EmailAlm= on then on” to the configuration, and upload.



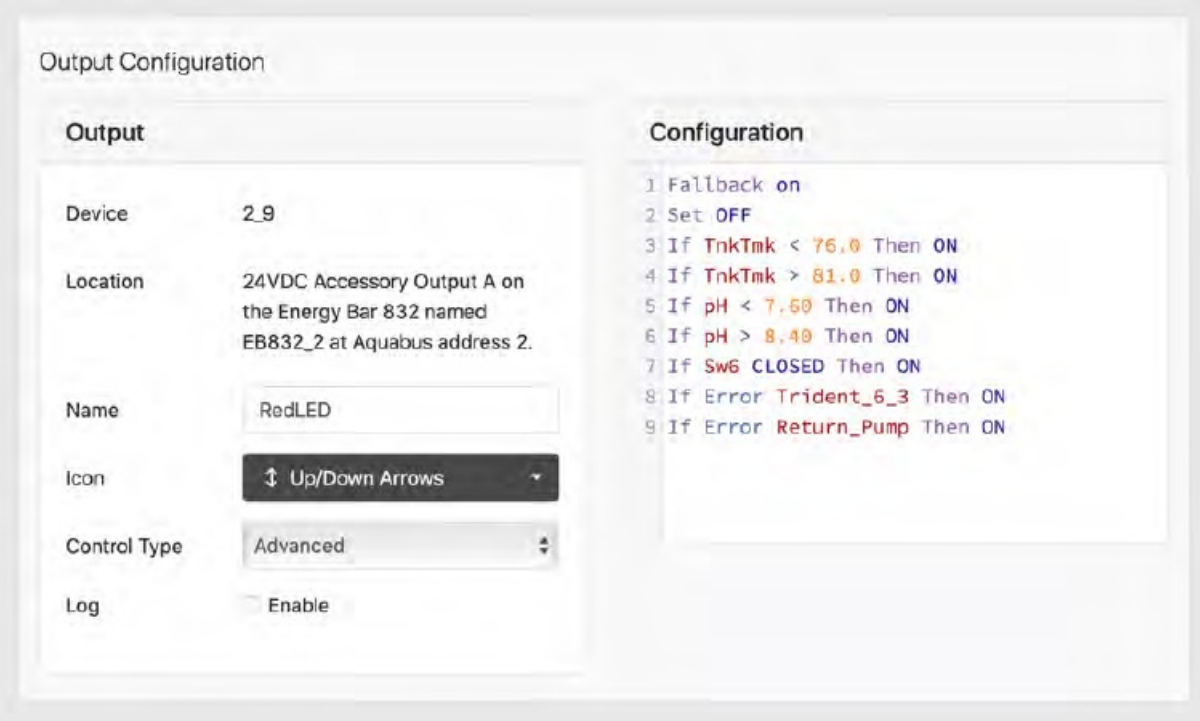
Example for 24v port “GreenLED”:

To get your 24v port we previously named “GreenLED” to turn OFF when that alarm is on (in this case named EmailAlm), you would need to used the advanced code option again. However, this time put “Set On” and “If output EmailAlm= on then off” to the configuration, and upload.



Programming the 24v port based on inputs:

If you do not want to just associate your LED/Audible status indicator with an existing alarm outlet, you can add conditions that determine when the LED turns on. This includes inputs such as temperature, salinity, pH, ORP, wattage of specific devices, switch status, error conditions for Trident or ATK, etc.This is an example of alarm conditions on the RedLED outlet that turns it on when any are true. **Note** that it will fallback “on”; if it loses connection to the Apex head unit, the red LED will activate.



Then for the GreenLED (If you have the dual-LED model), you would want it to be set on, but turn off if any condition of the RedLED turns on the RedLED outlet.

Documents / Resources

	Adaptive Reef 24v Apex Status Indicator System [pdf] Instructions 24v Apex, Status Indicator System, 24v Apex Status Indicator System