



# Tech Tip

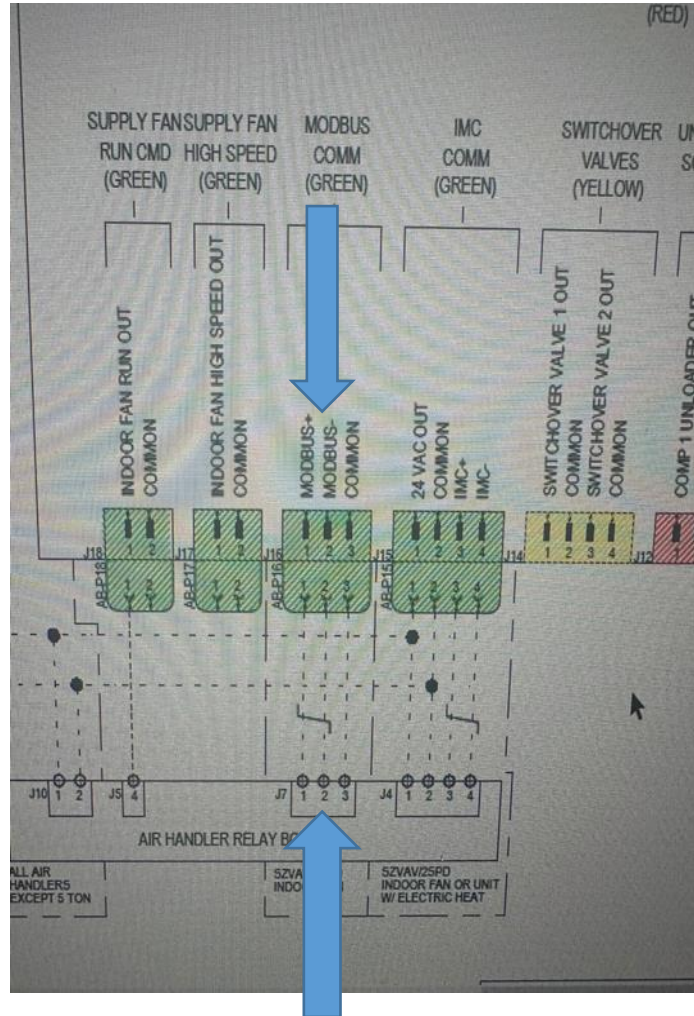
## July 2023



## Symbio Splits with TR150 VFD with Mod Bus

When installing an Odyssey Split system all AHU's will come with a TR-150 VFD. They come preset to run on Mod Bus communication. The voltage on mod bus should be 3.8 to 4.6 VDC. Mod Bus Requires twisted shield paired wire and needs to be run separate from any other control wires to prevent EMI or EMF from occurring. It is not required to connect the common on modbus and do not ground your shielding to the common ground shielding to ODU chassis this will help prevent EMI or EMF from happening.

The wiring is completed and the unit is powered up to configure the unit using the Symbio App which can be found in the Google Play Store or App Store. Hit the Bluetooth button on the Symbio 700 a blue LED will flash open the app and hit connect to available devices. Once the serial number click on it and then hit the check mark to pair to the unit at this point the LED will be solid.



### Field Service Representative Contact

SW FL 239-277-0344; Option 3

SE FL 954-421-7133; Option 2

N FL 844-358-7263; option 2

Once paired click on settings and view configuration. To the right is the config screen and the one thing that will need to be changed is system type. Click on edit to move forward.

It comes from the factory on CVZT (Constant Volume) this will need to be changed to VVZT (Variable Volume). Click on system type and the next screen will appear. Completion of configurations must be complete before it can be applied.

Once this is complete the TR-150 and Symbio 700 will start talking and fan operations will begin. Please make sure to check all belts and tension on the belt before the start up.

