OLIMPIA SPLENDID

HOME OF COMFORT

Technical Service Letter

MAESTRO PRO

MAESTRO PRO INVERTER 12 HP (Model # 2234/2283)

B1021- Serial interface board

w/Wired thermostat

For Technical Support contact:

Tech Support

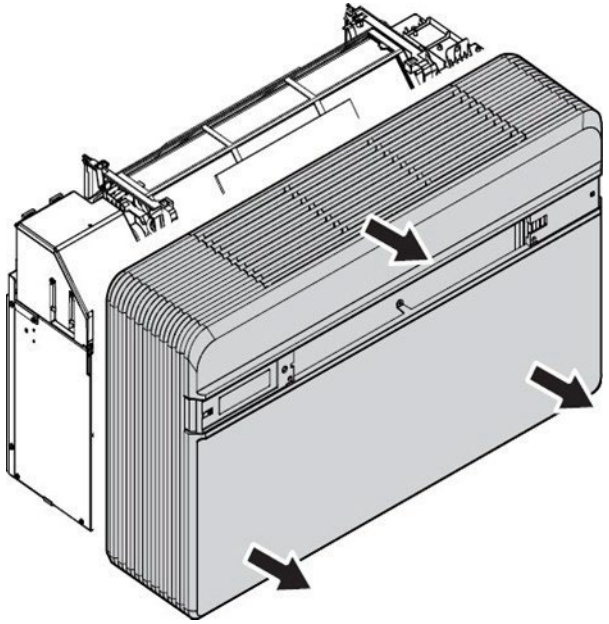
OLIMPIA SPLENDID HOME OF COMFORT

Techsupport@olimpiasplendidusa.com

(800) 408-5196 (ext. 103)

Removing the front cabinet

- 3 screws in the front
- 2 screws on top
- 2 Screws underneath



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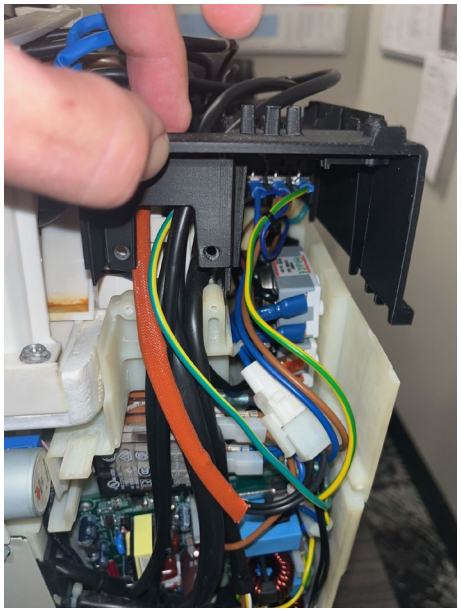
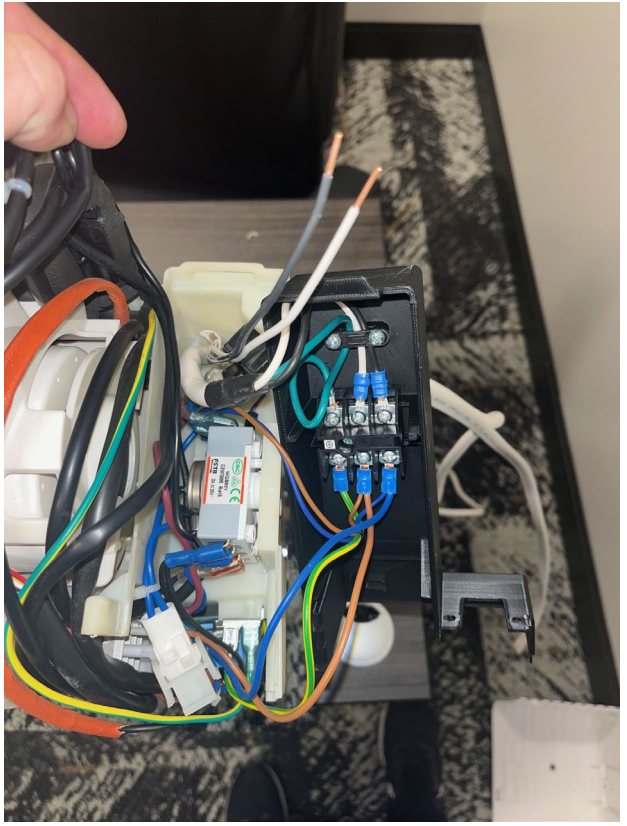
External 208/230vac to 24vac, 40va transformer installation

Note: Field supplied mounting screws will be needed.

-Transformer will need to be mounted external to the unit.
-Locate a preferred mounting location depending on unit orientation .
-Example below shows transformer below unit on wall to be covered by sub base.
-Verify voltage and make the appropriate connections on the multi tap transformer.
-Run 2 wire thermostat wiring for the 24v and com connections with power cable.

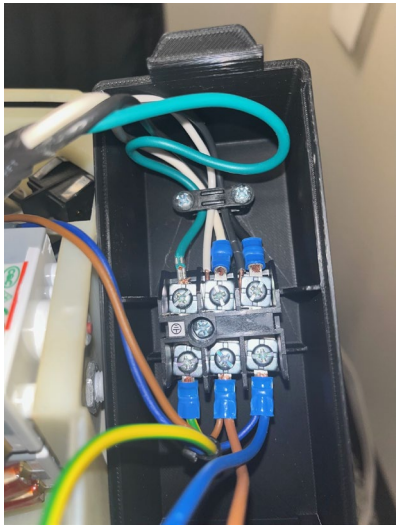
Run wires Up along the side of the unit securing to the supplied power cord. Follow power cord path into electrical box.





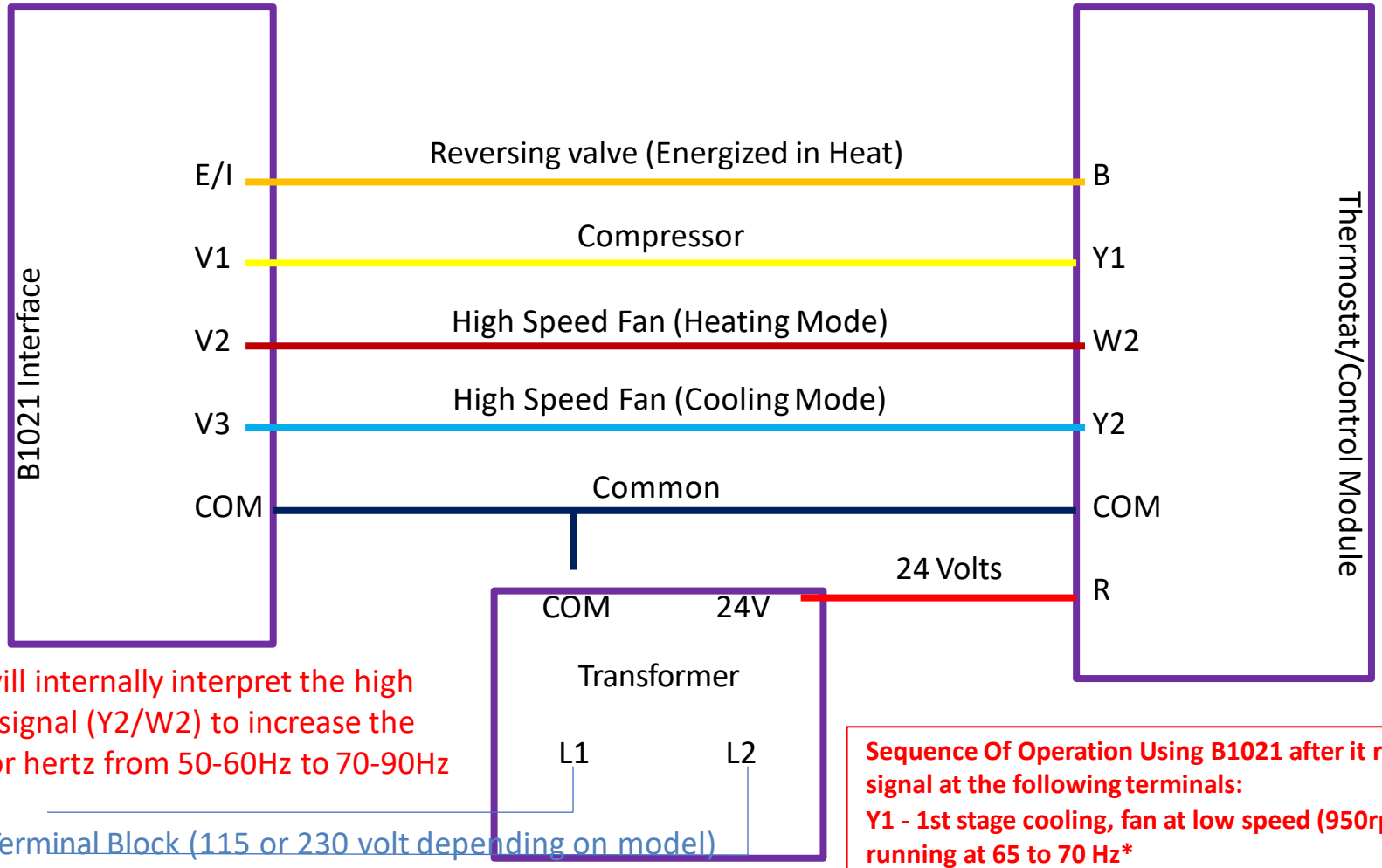
Line voltage connections

Remove the top of the electrical box by removing the two screws in the picture to gain access to the terminal block under the lid. Connect and secure line voltage wiring to L1-L2 on the terminal block.
Make sure to secure wiring before reassembly.

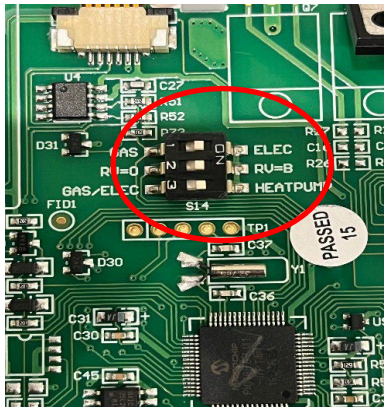


Locate and install B1021 serial interface board in designated location seen below, which is at the top right of unit above touch screen display. Wire in low voltage according to diagram on following page.

Wiring Diagram – 18-gauge 7 wire



The unit will internally interpret the high speed fan signal (Y2/W2) to increase the compressor hertz from 50-60Hz to 70-90Hz



Dip switches should be in the ELEC, RV=B, HP position to allow for proper delays and fan operation. Delays can be as long as 10 minutes after compressor turns off depending on stat model.

Sequence Of Operation Using B1021 after it receives a 24 vac signal at the following terminals:

Y1 - 1st stage cooling, fan at low speed (950rpm) and compressor running at 65 to 70 Hz*

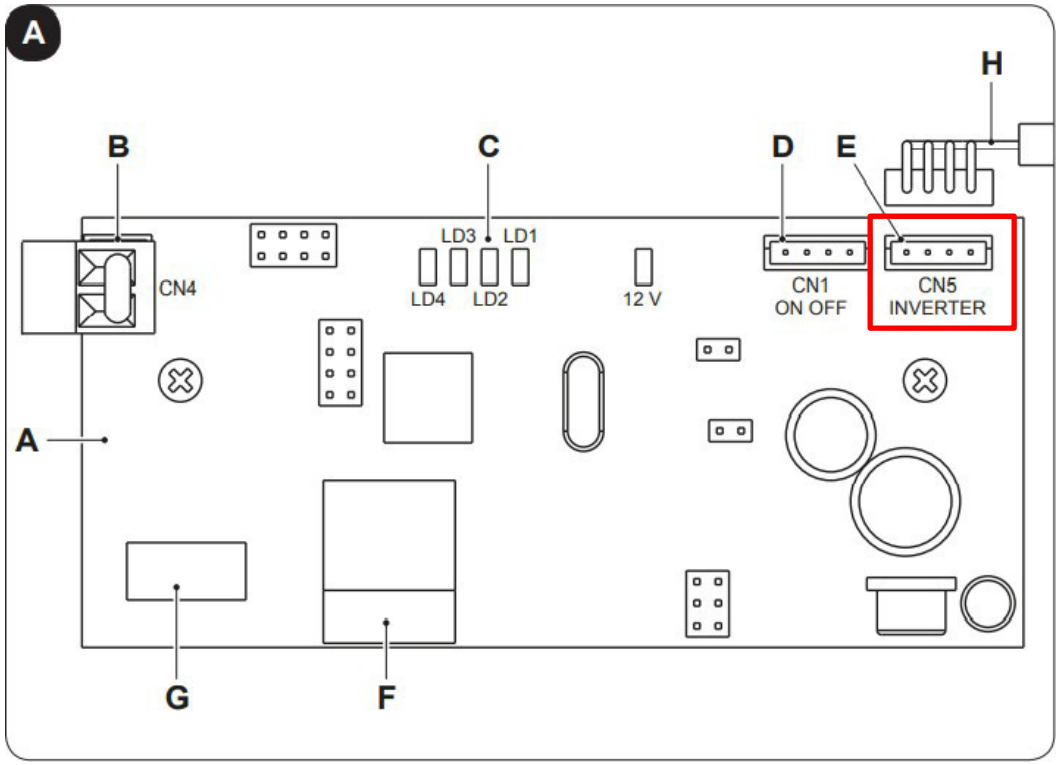
Y1 & B - 1st stage heating, fan at low speed and compressor running at 50 to 60 Hz*

Y2 & Y1 - 2nd stage cooling, fan at high speed (1330rpm) and compressor running at 70 to 90 Hz*

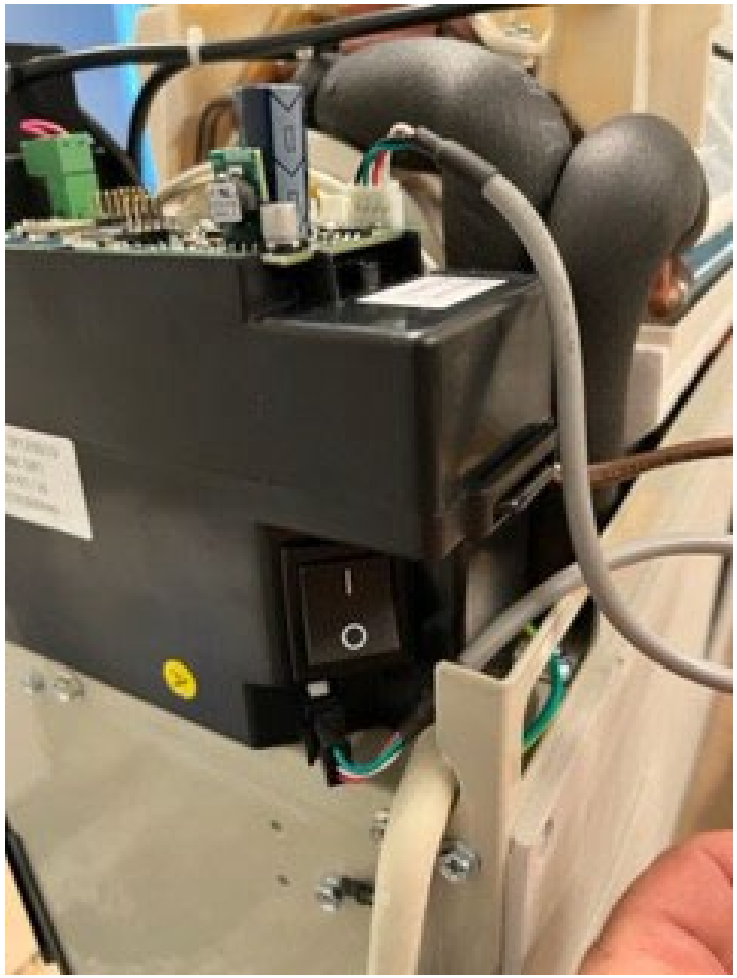
W2 & Y1 & B - 2nd stage heating, fan at high speed (1330rpm) and compressor running at 70 to 90 Hz*

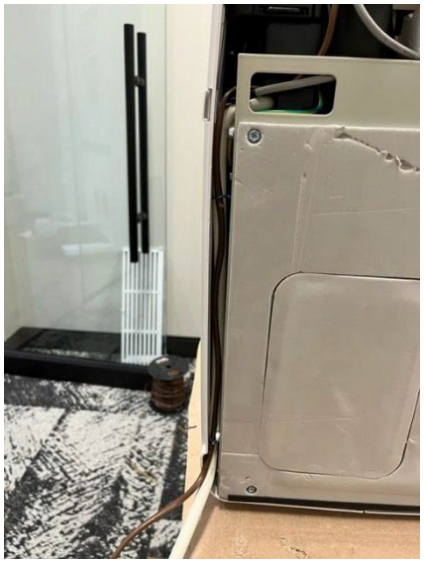
FAN ONLY MODE is not available

Plug in communicating wire into slot “E” labeled CN5 INVERTER.



Route communicating wire into chase behind coil and plug into plug under power switch.





Run stat wires down and out of cabinet with power cord.

Replace front cover, mount the thermostat and power up unit. You can now control the unit with the thermostat and no further set up is needed.