

BAFCON INSTALLATION

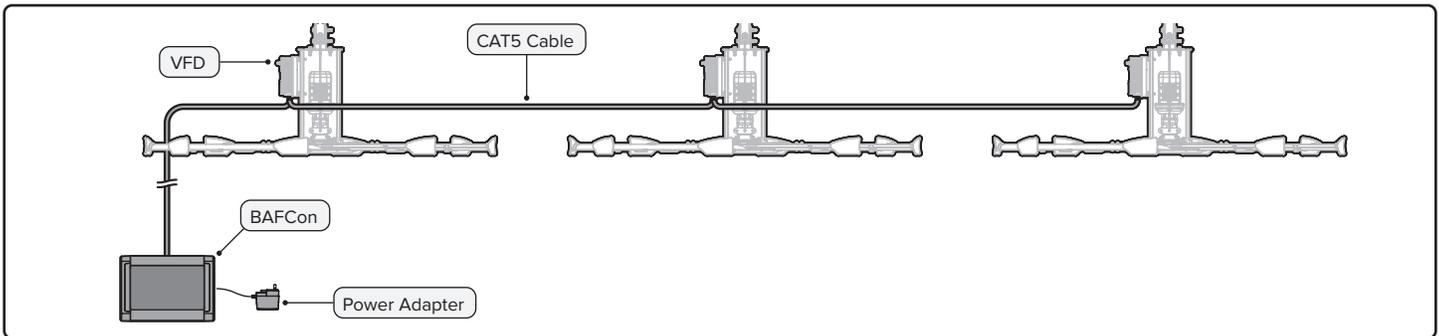


Powerfoil® 8 and Basic 6®

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- ⚠️ **WARNING:** Disconnect power to the installation locations before installing the fan and controller.
- ⚠️ **WARNING:** Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction. Incorrect assembly can cause electric shock or damage the motor and the controller.
- ⚠️ **WARNING:** The fan VFD contains high voltage capacitors which take time to discharge after removal of mains supply. Before working on the VFD, ensure isolation of main supply from line inputs at the VFD or fan controller's disconnect. Wait three minutes for capacitors to discharge to safe voltage levels. Darkened display LEDs are not an indication of safe voltage levels.
- ⚠️ **CAUTION:** The Big Ass Fans product warranty will not cover equipment damage or failure that is caused by improper installation or use.

OVERVIEW

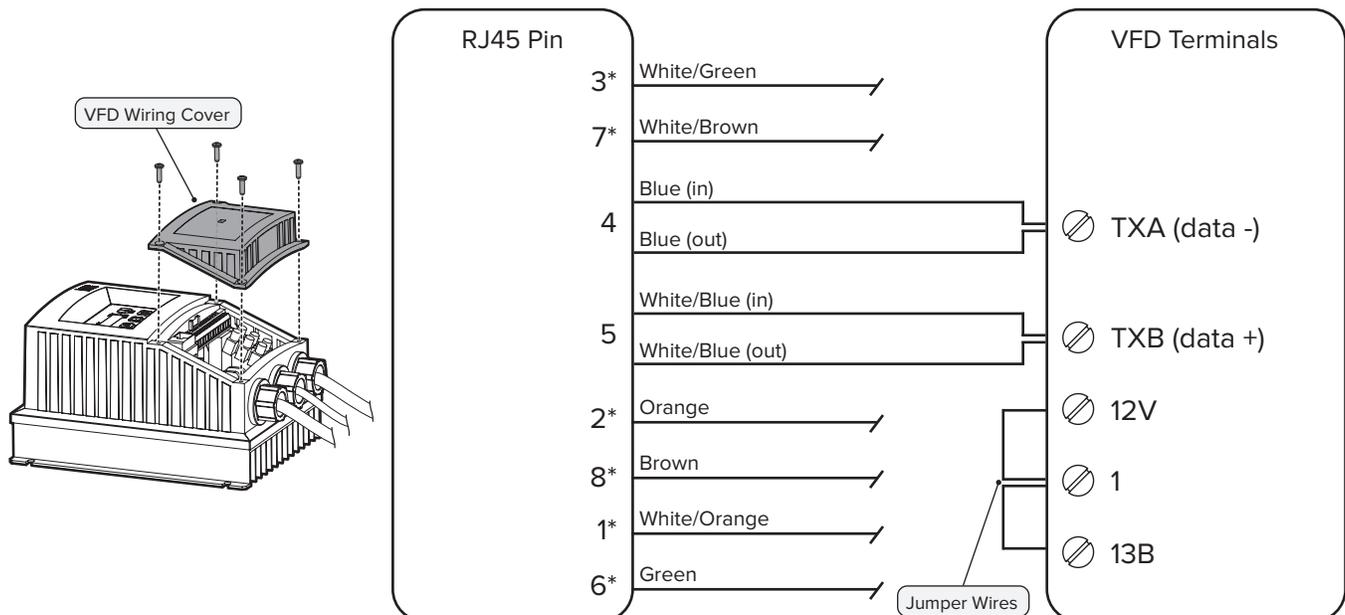


VFD WIRING

- ⚠️ **WARNING:** Before making parameter changes, ensure fan is stopped and jumper wires are removed.

Power down fan. Change parameter 4.10 (Modbus Address) to a value between 1–247 (must be unique to fan). The default setting is 1.

Remove VFD wiring cover. Wire CAT5 controller cable to VFD. Insert a jumper wire between terminals 1 and 12V and between terminals 1 and 13B on VFD terminal strip for a drive RUN enable. Reinstall wiring cover. Route other end of cable from VFD to controller installation location.

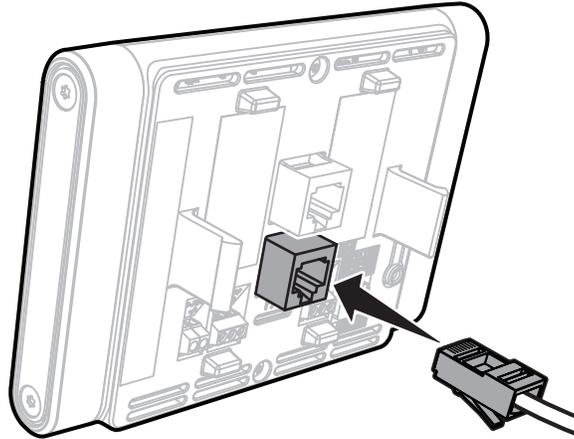


* Trim off wires. The trimmed wires can be used as jumpers.

BAFCON WIRING

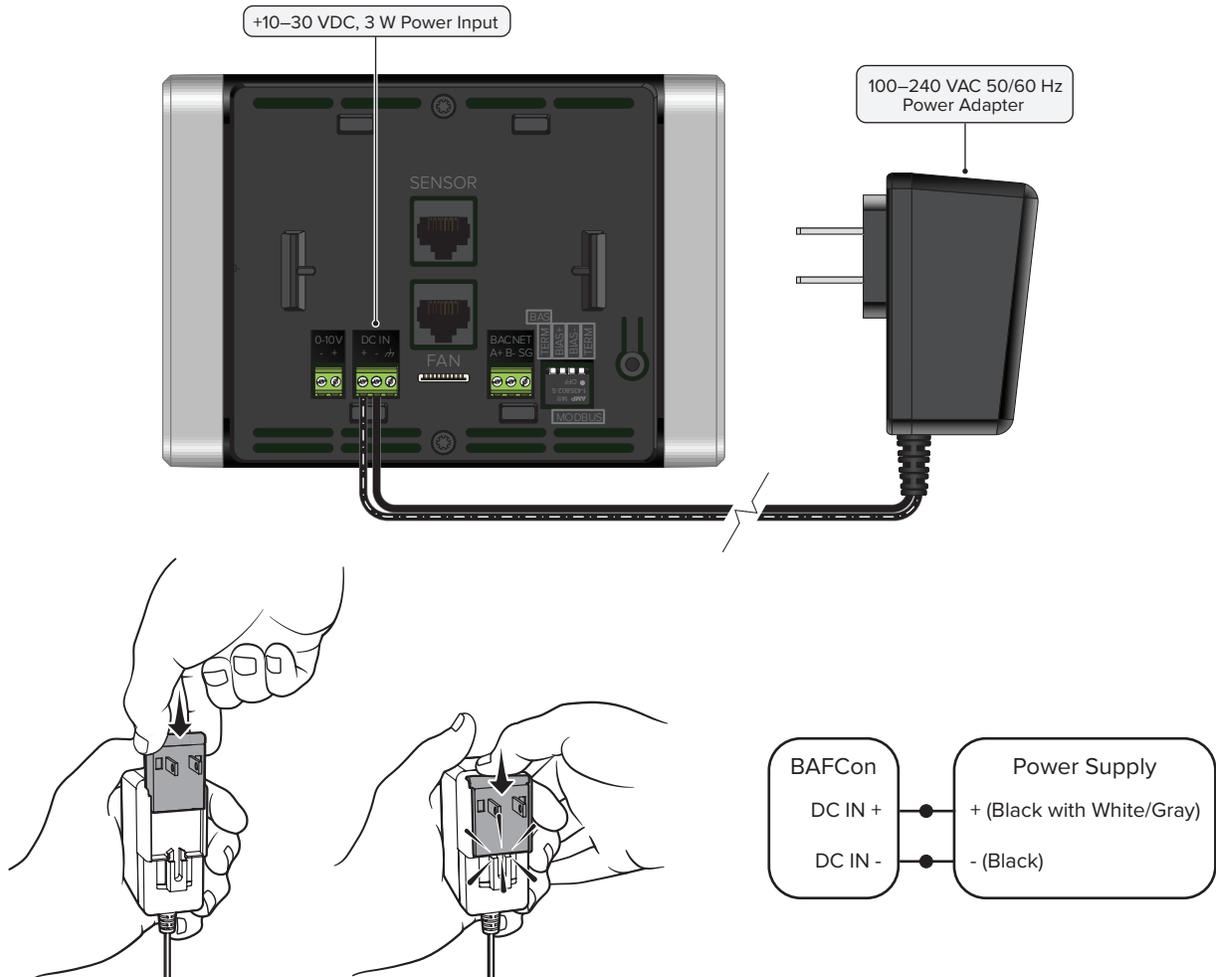
Controller Wiring

Insert the CAT5 cable from the fan into the FAN jack on the back of the controller.



Power Adapter Wiring

Attach the appropriate plug type for your region to the power adapter. Wire the adapter to the controller.

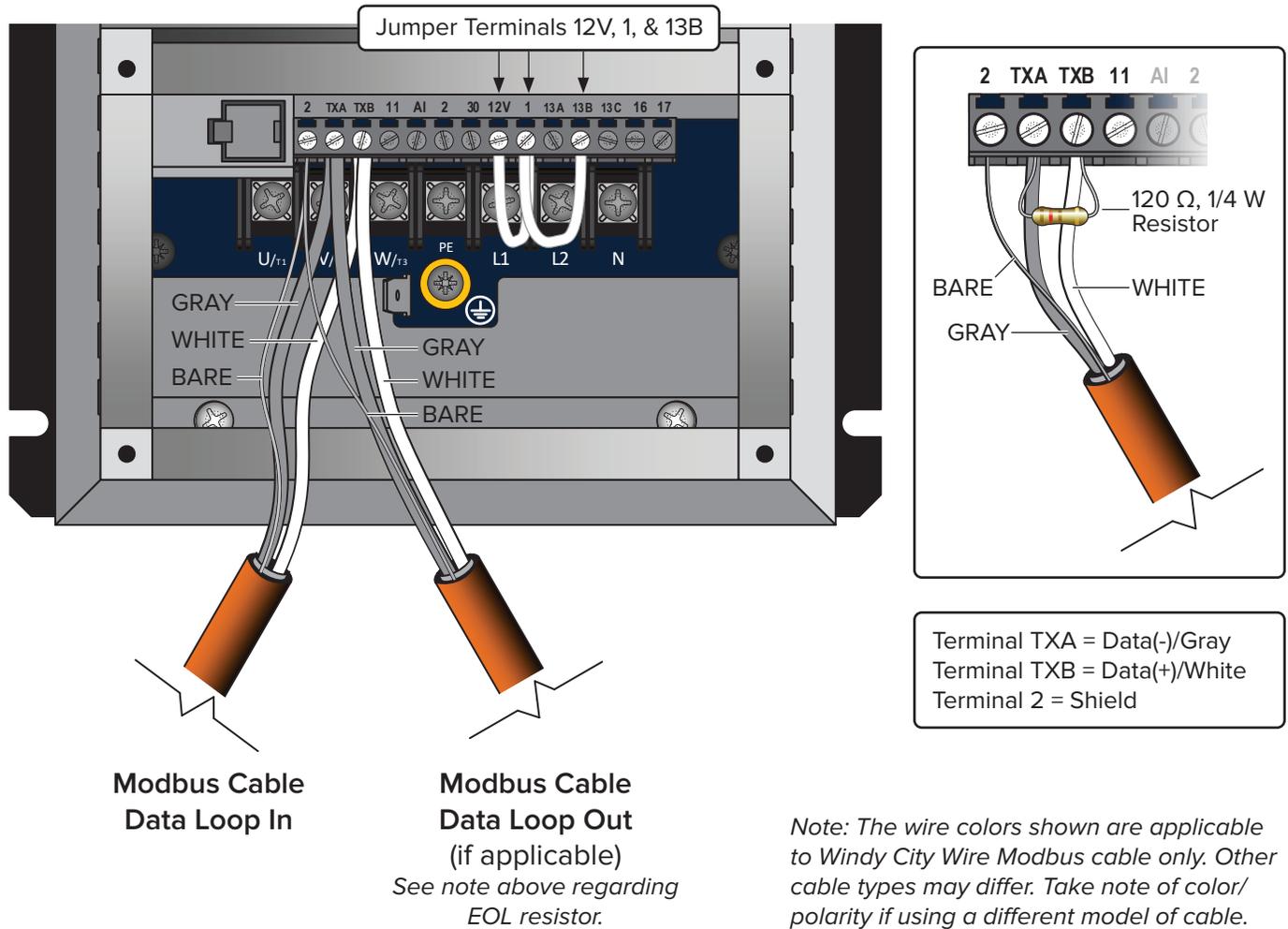


OPTIONAL MODBUS WIRING

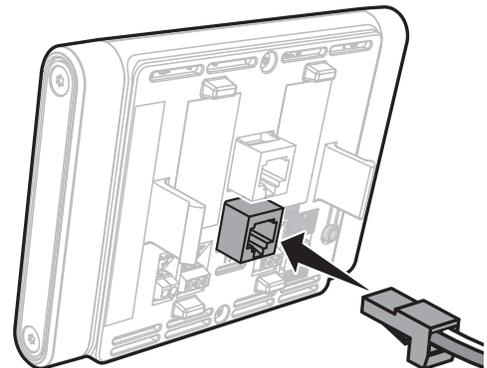
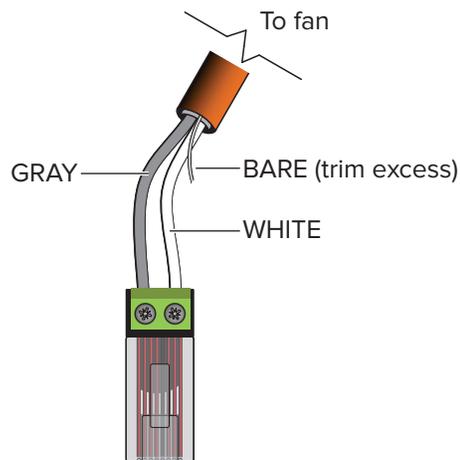
⚠ WARNING: Before making parameter changes, ensure fan is stopped and jumper wires are removed.

Power down fan. Change parameter 4.10 (Modbus Address) to a value between 1–247 (must be unique to fan). The default setting is 1.

Remove VFD wiring cover. Wire Modbus cable to VFD. Insert a jumper wire between terminals 1 and 12V and between terminals 1 and 13B on VFD terminal strip for a drive RUN enable. The last fan connected on a run of Modbus cable (regardless of fan quantity) must include an EOL resistor to maintain proper cable impedance as shown. Reinstall wiring cover. Route other end of cable from VFD to controller installation location.



Connect the gray and white Modbus wires from the fan to the provided RJ45 terminal block. Trim the excess bare wire. Insert the terminal block into the FAN jack on the back of the controller.



NOTES

Large empty rectangular box for notes.

