

This Add-In Adapter Kit is included at no charge with your VZ-7

Please read this sheet carefully before attempting to use it.

There are two reasons to use this adapter kit:

- 1) You are bench testing a variable speed motor without the air handler unit, in which case you will use both the RED and the BLUE wires to provide 24 VAC power, or:
- 2) You need to provide a 24 VAC power source to the VZ-7's circuits in those cases where the equipment manufacturer has omitted sending the 24VAC "HOT" power line in position 12 of the 16-pin harness. The majority of cases where this wire is omitted are found in units made by Coleman, York, and Lennox; although occasionally it is omitted by another manufacturer. The 24 VAC necessary to power the VZ-7 actually needs two wires - the "COMMON" side always comes down the harness on the #1 and/or #3 wires. No manufacturer has ever omitted both wires, so no external connection is necessary for the "COMMON" side. This connector set provides the 24 VAC "HOT" power in those cases where it is missing. You will only use the RED wire harness in this case.

CAUTION! Do not plug the white connectors of this adapter set into the VZ-7's white connectors until and unless you find it necessary to provide an alternate source for this power. *Leave the white connectors disconnected unless you need it and are currently using it.* Accidentally contacting the alligator clip with a voltage higher than 24 VAC - *even for an instant* - will probably destroy your VZ-7 tool; and might also damage the circuits in the motor, as well as the furnace/handler control circuit board. This vulnerability is unavoidable when using the adapter, so you must be extremely careful when you choose to connect this adapter set to the VZ-7.

Here is a recommended method to safely use these adapters:

- (1) **Do not connect the white connectors together** until it is absolutely necessary!
- (2) Make certain the white connectors of this adapter are **NOT** connected to the VZ-7.
- (3) Connect the alligator clip securely to a known 24VAC "HOT" location - making certain that the clip will not pull away from its connection point and accidentally contact a higher voltage.
- (4) **Verify** - with a voltmeter - that the white connector's voltage, with respect to 24 VAC "COMMON" is **no greater than 29 Volts AC**.
- (5) Connect the blue wire similarly to a "common" location.
- (6) Plug the white connectors together and use your VZ-7 to diagnose the unit's condition.
- (7) Disconnect the white connectors **first** after diagnosing the problem.

There is a 1A (one amp) fuse in the fuse holder of the harness; a spare is also included for your convenience. A wise Tech will never use anything other than a 1A fuse - it gives the best protection in case of accidental contact with a higher voltage. If the fuse ever blows, discover the reason and correct it first, before replacing the 1A fuse in the fuse holder.

Follow QR Code for the most up-to-date information, and instructions.

