

COMMERCIAL TRAINING TOOLBOX TIPS

Units with CORE/CORE Lite Control System 126 Alarm – Phase Monitor / Phasing Error

What causes Alarm 126?

- Incorrect Config ID 2 Position 5 setting.
- Incorrect incoming power phasing.
- Incorrect transformer wiring/phasing.
- Transformer manufacturer mismatch (rare).

Determine if the Unit Requires Phase Monitoring

Look at the model number.



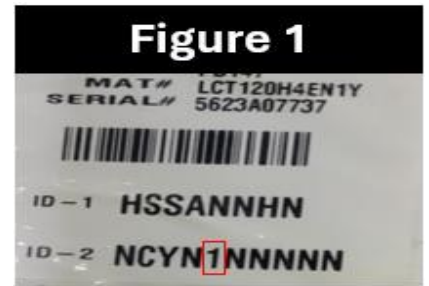
Factory configured WITH phase monitoring (Config ID 2 Position 5 = 1):

- L_M models with 2 or more compressors should be set to 1.
- L_T models with 2 or more compressors should be set to 1.
- S_H Strategos units should be set to 1.

Factory configured WITHOUT phase monitoring (Config ID 2 Position 5 = N):

- L_X models (1, 2, 3, and 4 compressor configurations) should be set to N.
- A-Box 036-060 equipment with single modulating compressors should be set to N.

** Using the factory configuration ID sticker will almost always be correct, however some unit configuration ID stickers for the A box modulating compressor equipment may incorrectly have a 1, where it should have an N. Be sure you set it correctly and make a note on the sticker so the next technician does not incorrectly setup the equipment.**



126 CODE TROUBLESHOOTING:

Compare the CORE configuration to the unit configuration sticker.

If Position 5 does not match the sticker/unit type:

- Correct the configuration using the core service app topmost INSTALL menu and navigate to completion.
- Cycle power to the board.
- Check if Alarm 126 clears.

Verify Power Phasing

- Confirm non-VFD compressors rotate in the correct direction.
- If rotation is incorrect, swap any two incoming power legs at the disconnect.
- Verify transformer primary voltage matches the disconnect voltage and is phased correctly.
- Verify transformers Line and Load side match the wiring diagram and all plugs and terminations are secure.

Check Phase Monitor Inputs

J395 Pin 1 to Ground = 24 VAC minimum.

J395 Pin 3 to Ground = 24 VAC minimum.

J395 Pin 2 to Ground = 0 VAC.

J395 Pin 4 to Ground = 0 VAC

Transformer Manufacturer Mismatch

Only perform this step after all previous checks pass

If phasing is verified everywhere and Alarm 126 remains active: DOUBLE CHECK closely the secondary load side wires vs diagram and confirm these are correct.

- Reverse one set of transformer low-voltage wires.
- Recheck alarm status.

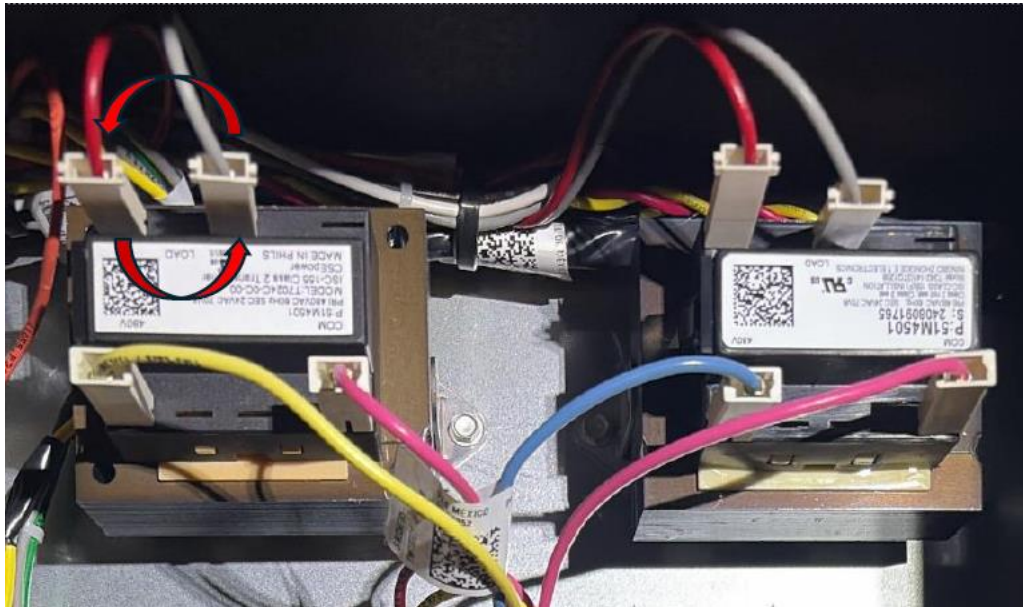
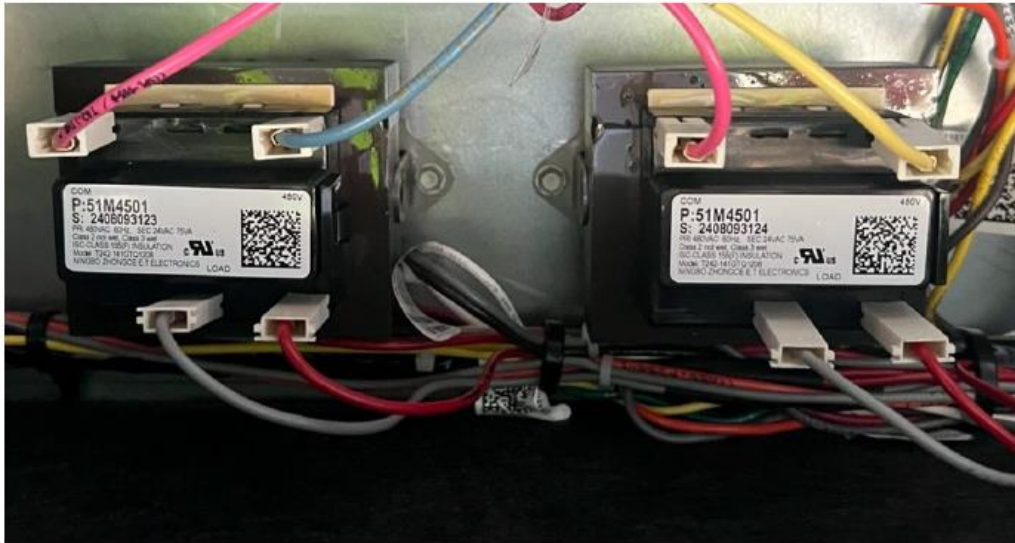
If Alarm 126 is still present after completing all steps above, please contact **Commercial Technical Support – 1-800-453-6669**

Self-Service Technical Support with No Wait Times

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Verify the transformers are phased correctly on the line side and control side.



Pink wires should land on the “C” (common) side of both transformers

