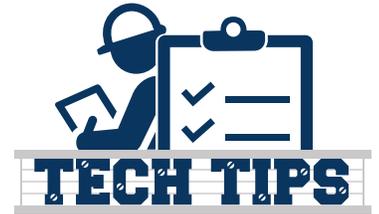




WE MAKE IT EASY™

UPDATED BOARD FEATURES – S9V2 & A952V

You may have noticed some changes with the Trane/American Standard S9V2 and Ameristar A952V furnace IFCs. There are a few new features we would like to cover and introduce. The most current production IFC (Integrated Furnace Control) CNT07721 has transitioned to CNT08120. You will see the CNT08120 as a replacement part and on newer production furnaces. See below for information on the new features.



Airflow Display

The original IFC for the variable-speed “short furnaces” displayed the requested airflow on the seven-segment display. The requested airflow is based on the settings the installer or technician selected via set up of the IFC. For example, if you configured the board as a 3 ton @ 400 CFM per ton, the board would display “CL1 or 2” (for cooling), “Arf” (for airflow), then “120” to indicate the request for the motor is 1200cfm. Static pressure almost always affects the actual airflow, so you would then have to refer to the service facts while taking a static pressure measurement to understand your actual CFM. If static were on the higher end, your actual CFM could be less than you desired.

The new IFC (CNT08120) will display actual calculated CFM. In our above case, the seven-segment display would have shown “120,” but the new board may display “100” if static pressure is prohibiting the motor to run at the requested CFM. This “100” shown on the seven-segment display would indicate the unit is providing 1,000 actual/calculated CFM.

This feature is great to grab a quick glimpse on what the unit is providing when it comes to CFM and airflow through the unit. Remember, these are variable speed motors, so as the motor ramps up or down, the seven-segment display will show you changing values indicating the calculated CFM. Although this is a great feature, always confirm your static pressure with a manometer when troubleshooting!

Ignition Trials

Originally, we had three attempts to prove a flame on a heat demand. If the unit did not fire and sustain flame, we would see a E2.1 or E2.2 indicating a failure to ignite or prove flame. The CNT08120 offers up to seven trials for ignition. If the unit does not sense a flame in those seven attempts, the unit will lock out for one hour or until someone removes the heat call and reapplies a call for heat. So, if you have a CNT08120 and you see a E2.1, know that the unit attempted to fire seven times!