



It's time to get comfortable.

Unitary Products  
5005 York Drive  
Norman, Oklahoma 73069  
1/877-874-7378

**DATE:** February 10, 2015 ST-004-15

**TO:** All York Branch Service Managers  
All York Distribution Service Managers  
All Regional Managers

**Subject:** Thermostat Control Wiring For Residential Heat Pumps

This letter is intended to clarify placement of thermostat wiring on the residential heat pump package unit series model families B\*HQ, B\*HX and B\*HZ.

Recent investigations revealed that installers are connecting the thermostat control wiring to the Fan Control Board and not the CFM Control Board. When connecting the thermostat wiring to the Fan Control Board, improper operation of the unit will occur.

For example, if the installer connects the thermostat control wiring to the Fan Control Board and initiates a call for heat mode, only the supplementary electric heat will be energized. When cool mode is initiated, only the blower will be energized due to receiving a 24 VAC signal to the "G" terminal.

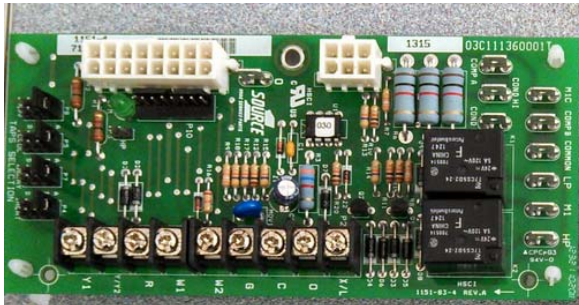
The Fan Control Board is used for units equipped with supplementary electric heat, 24 VAC at "W" sends 24 VAC signal to "W2" on the Fan Control Board. This signal also is sent through the Defrost Control terminals "W" and "W/66" and back to the Fan Control Board "W1". The 24 VAC signal also energizes all stages of electric heat. The Fan Control Board is also used for providing 24 VAC to the "K7" relay that energizes the blower in case the limit opens.

Refer to the Installation Manual for guidance - it is imperative to verify proper operation after installation or servicing. To clarify the placement of the thermostat wiring to the CFM Control Board, please refer to the attached photo of both control boards and wiring schematic.

Please contact your Distributor Service Manager if you have any further questions.

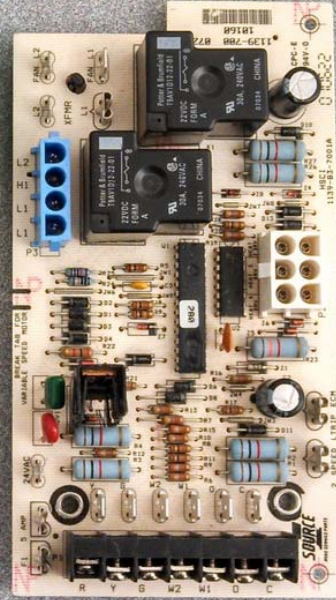
Stevie Sullivan Jr.  
Field Service Supervisor  
Johnson Controls Unitary Products

Mark Freund  
Senior Manager, Residential Field Service  
Johnson Controls Unitary Products



**CFM Control Board** ↑  
Thermostat Control Wiring Installed Here

**FanControl Board**



Thermostat Control Wiring is Not Installed Here.

