

**TECHNICAL  
SERVICE  
BULLETIN  
TB07-148 R**

**TO: RESIDENTIAL DISTRIBUTORS  
RESIDENTIAL DEALERS**  
**FROM: TECHNICAL SERVICE DEPARTMENT**  
**DATE: 09-28-2007**  
**RE: Dehumidification – Furnace w/ Variable Speed Blowers**

Current production furnace products with variable speed blowers are capable of providing dehumidification control when in COOL mode in two ways: a dehumidification delay and a humidistat connection option. These functions are not backwards compatible – it cannot be retrofitted into existing equipment.

The dehumidification delay is selected on the furnace variable speed control board 624677 by setting switches 8 and 9 to “on”. This will force the blower motor into a lower speed for the first 10 minutes of the cooling cycle to provide additional moisture removal before transitioning to the normal cooling speed.

The furnace variable speed control board also contains two terminals for a humidistat connection. These “HUM” terminals should be wired normally closed for “normal” humidity, and to open on high humidity. The variable speed board is also able to be used in cases where the humidistat (or thermostat with a built-in humidistat) has a 24V dehumidification output. In the set up of the thermostat or humidistat, select the 24V signal to be energized for “Normal” humidity. Wire the 24V signal to the HUM terminal on the variable speed control board closer to the “10” terminal. This will force the blower motor into a lower speed to provide additional moisture removal. Once the humidistat is satisfied, the blower will return to its normal cooling speed. Check with your thermostat manufacture if this option is available.

If you have any questions please call 1-800-422-4328 Ext 2 for the NORDYNE Technical Service Department.

NORDYNE  
Technical Service Department

New VSB Board

