



# Control Boards

**Factory Authorized Parts™** have been designed and built specifically for Carrier®, Bryant® or Payne® equipment. These parts are the perfect fit, restoring equipment to its original performance and are available at your local Carrier, Bryant or Payne equipment distributor. **2-Year warranty** on all Factory Authorized Parts™ excluding compressors and commercial applied parts.

<b>System Performance</b>	<b>Issue</b>	<b>Factory Authorized Parts™ Control Board (325878-751)</b>
	<b>Heat Pump Defrost Operation</b>	325878-751 shuts off blower when the igniter is energized and then brings it back on when the igniter turns off. This reduces nuisance trips of the high switch in heat pump applications.
	<b>Noise Generation</b>	325878-751 board performs quietly during all phases of operation.
<b>System Reliability</b>	<b>Blower On-delay Operation</b>	325878-751 is designed to run at several different blower on-delay times depending on the product type and vintage it is installed in. Use of the correct blower on-delay can significantly extend heat exchanger life
	<b>Additional Wear on Igniter</b>	325878-751 shuts off the igniter the moment flame is sensed. This improves igniter life.
<b>Installation and Serviceability</b>	<b>Limited Nuisance Trips When Flame is Mid-cycle</b>	325878-751 shuts down and completes the blower off-delay when flame is lost. After the blower off-delay is completed a new heating cycle will begin. For certain installations, this will prevent nuisance trips.
	<b>Polarity Sensing</b>	325878-751 polarity sense works whether the furnace is grounded or not.
	<b>Fuse Fault Indication</b>	325878-751 has an indication for a faulty fuse meaning that service can avoid replacing the board when only the fuse is bad.
<b>Safety</b>	<b>Combustion Air Starvation Lockout</b>	325878-751 has a flame rollout detection algorithm which shuts off the furnace when starved for combustion air.
	<b>Stuck Gas Valve Relay Operation</b> (gas valve input is ON and should not be).	Based on specific criteria, the 325878-751 will turn the inducer off to see if the pressure switch will remove power from the gas valve. In this case, it will prohibit un-ignited gas from spilling until the lack of heat is noticed.
	<b>Dead Blower Situation</b> (Condensing furnace. downflow position).	325878-751 locks out unit for designated period of time in a dead blower situation, helping to ensure the integrity of the flue pipe.
	<b>Agency Certified</b>	Both the Carrier Furnace and the 325878-751 are agency certified. Using 325878-751 board maintains agency certification of the furnace.



**Factory Authorized Parts™ are the ONLY replacement parts authorized by Carrier Corporation for use on Carrier®, Bryant® and Payne® branded equipment.**

Factory Authorized Parts™ are only available thru your local Totaline® Sales Center.