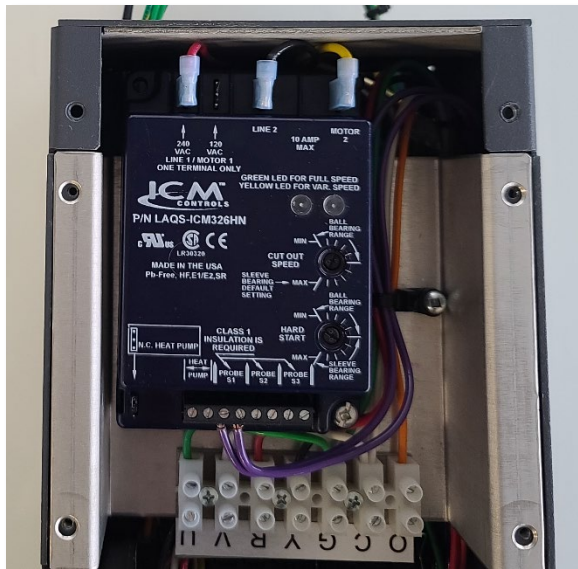


HOW THE ICM FAN CONTROL WORKS

There is a sensor located within the Evolution Series **Outdoor Condenser** unit that measures the temperature of the system's refrigerant. Based on that reading, the ICM Fan Control is able to consistently maintain a temperature between 70 and 100 °F.

At or below 70 °F, the Controller keeps the fan turned off. Once the temperature rises above 70 °F, the Controller will start the fan and modulate its speed accordingly.

If the temperature continues to rise and exceeds 100 °F, there is a jumper on the fan that will allow it to go into high-speed mode to compensate. When the temperature drops back down below 100 °F, the Controller will again appropriately modulate its speed to maintain an ideal operating temperature – typically between 80 and 90 °F.



On the bottom left part of the ICM Fan Control, there is a label reading **N.C. Heat Pump** with an arrow pointing down to the 3-pin jumper. Remove the plastic jumper from the top two pins and push it into the bottom two pins or the center pin at the bottom. Doing this should result in the system transitioning into **Cooling Mode**, with the fan then proceeding to run at high speed.

However, if the fan still doesn't start, further troubleshooting can be accomplished by jumping its main power source. With the power turned off, connect the **Power Wires** on the Control **L2** and **Fan 2**. This bypasses the ICM Fan Control entirely and provides power directly to the motor when calling for cooling.

For more information, please visit:
www.excelairsystems.com/help