ATTENTION SERVICE PERSONNEL
AIR HANDLER CONTROL SET-UP
PLEASE KEEP WITH UNIT FOR FUTURE USE!

7-SEGMENT DISPLAY AND CONFIGURATION GUIDE

Refer to unit installation instruction for configuring unit size code and electric heat.

Unit Size Codes For Air Handlers	
Unit Size Code	**Air Handler Tonnage**
0	018 / 024
1	030
2	036
3	042
4	048
5	060

Code	Action
Power-Up	Unit Size Code (number or letter) represents air handler model size and capacity. Refer to ***Unit Size Codes For Air Handlers*** table above. If three horizontal bars are displayed, AHC does not recognize size and capacity.
	Idle mode — decimal blinks at 1 Hertz > 0.5 second ON, 0.5 second OFF. Idle mode is when the system is energized but no demand.
A	Cubic feet per minute (CFM) setting for indoor blower - 1 second ON, 0.5 second OFF > CFM setting for current mode displayed.
C	Cooling stage — 1 second ON, 0.5 second OFF > 1 or 2 displayed > pause > CFM setting displayed > pause > repeat codes) .
d	Dehumidification mode — 1 second ON > pause > CFM setting displayed > pause > repeat codes.
d F	Defrost Mode
H	Heat Stage is 1 second ON, 0.5 second OFF > 1 or 2 displayed > pause > CFM setting displayed > pause > repeat codes. Electric heat available in 1 to 5 stages.
h	Stage heat pump (shows active heat pump stages, h1 or h2)
U	Discharge air sensor temperature (discharge air sensor must be installed, properly configured and indoor blower must be operating).

Code	Action
Indoor Blower Test	
A	Release push button — Control cycles indoor blower on for 10 seconds at 70% of maximum air for selected capacity size unit. Control will automatically exit *Field Test Mode*.

Error Code Recall Mode (Note - control must be in **idle** mode)		
E	**E**	To enter *Error Code Recall Mode*, push and hold button until solid **E** appears, then release button. AHC will display up to 10 error codes stored in memory. If **E000** is displayed, there are no stored error codes.
Solid	**-** **-** **-**	To exit *Error Code Recall Mode* push and hold button until solid **three horizontal bars** appear, then release button. Note - Error codes are not cleared.
Solid	**c**	To clear error codes stored in memory, continue to hold push button while the **three horizontal bars** are displayed. Release push button when solid **c** is displayed.
Blinking	**c**	Push and hold for one (1) second, release button. Seven-segment will display 0000 and exit error recall mode.

Error	Status of Air Handler
E105	The air-handler has lost communication with the rest of the system. Check for mis-wired and/or loose connections between the thermostat, indoor unit and outdoor unit. Check for a high voltage source of noise close to the system. This is a self-recoverable error.
E114	There is a frequency/distortion problem with the power to the air-handler. Check the voltage and line power frequency
E115	The 24VAC to the air-handler control is lower than the required range of 18 to 30VAC. Check the voltage and line power frequency.
E120	There is a delay in the air-handler responding to the system. Check all wiring connections.
E124	The iComfort thermostat has lost communication with the air-handler for more than 3 minutes. Check the wiring connections, ohm wires and cycle power.
E130	An air-handler configuration jumper is missing.
E131	The air-handler control parameters are corrupted. Replace control.
E132	The air-handler control software is corrupted. Replace control.
E180	The iComfort thermostat has found a problem with the air-handler outdoor sensor. Compare outdoor sensor resistance to temperature/resistance charts in unit installation instructions. Replace sensor pack if necessary.
E201	The system has lost communication with the air-handler indoor blower motor. Check for loose wiring.
E202	The unit size code for the air-handler and the size of blower motor do not match. Reconfigure control.
E203	The unit size code for the air-handler has not been selected. Configure unit size code.
E292	The air-handler's blower motor will not start. Check for seized bearing, stuck wheel, obstruction etc.
E295	The indoor blower motor is overheating. Check motor bearings and amps. Replace if necessary.
E310	There is a problem with air-handler discharge air sensor. Compare outdoor sensor resistance to temperature /resistance charts in installation instructions. Replace sensor if necessary.
E312	The blower cannot provide the requested CFM due to high static. Check filter and duct system.
E313	The indoor and outdoor unit capacities do not match.
E345	The **O** relay on the air-handler has failed. Either the pilot relay contacts did not close or the relay coil did not energize.
E346	The **R** to **O** jumper was not removed on the air-handler control.
E347	The **Y1** relay on the air-handler has failed. Either the pilot relay contacts did not close or the relay coil did not energize.
E348	The **Y2** relay on the air-handler has failed. Either the pilot relay contacts did not close or the relay coil did not energize.
E350	The air-handler's electric heat is not configured.
E351	There is a problem with the air-handler's first-stage electric heat. Either the pilot relay contacts did not close, or the relay coil in the electric heat section did not energize.
E352	There is a problem with the air-handler's second-stage electric heat. Either the pilot relay contacts did not close, or the relay coil in the electric heat section did not energize. The air-handler will operate on first-stage electric heat until the issue is resolved.
E353	There is a problem with the air-handler's third-stage electric heat. Either the pilot relay contacts did not close, or the relay coil in the electric heat section did not energize. The air-handler will operate on first-stage electric heat until the issue is resolved.
E354	There is a problem with the air-handler's fourth-stage electric heat. Either the pilot relay contacts did not close, or the relay coil in the electric heat section did not energize. The air-handler will operate on first-stage electric heat until the issue is resolved.
E355	There is a problem with the air-handler's fifth-stage electric heat. Either the pilot relay contacts did not close, or the relay coil in the electric heat section did not energize. The air-handler will operate on first -stage electric heat until the issue is resolved.
E409	The secondary voltage for the air-handler has fallen below 18VAC. If this continues for 10 minutes, the iComfort thermostat will turn off the air-handler.
See unit installation instruction or information manual for details on clearing the alarms.	

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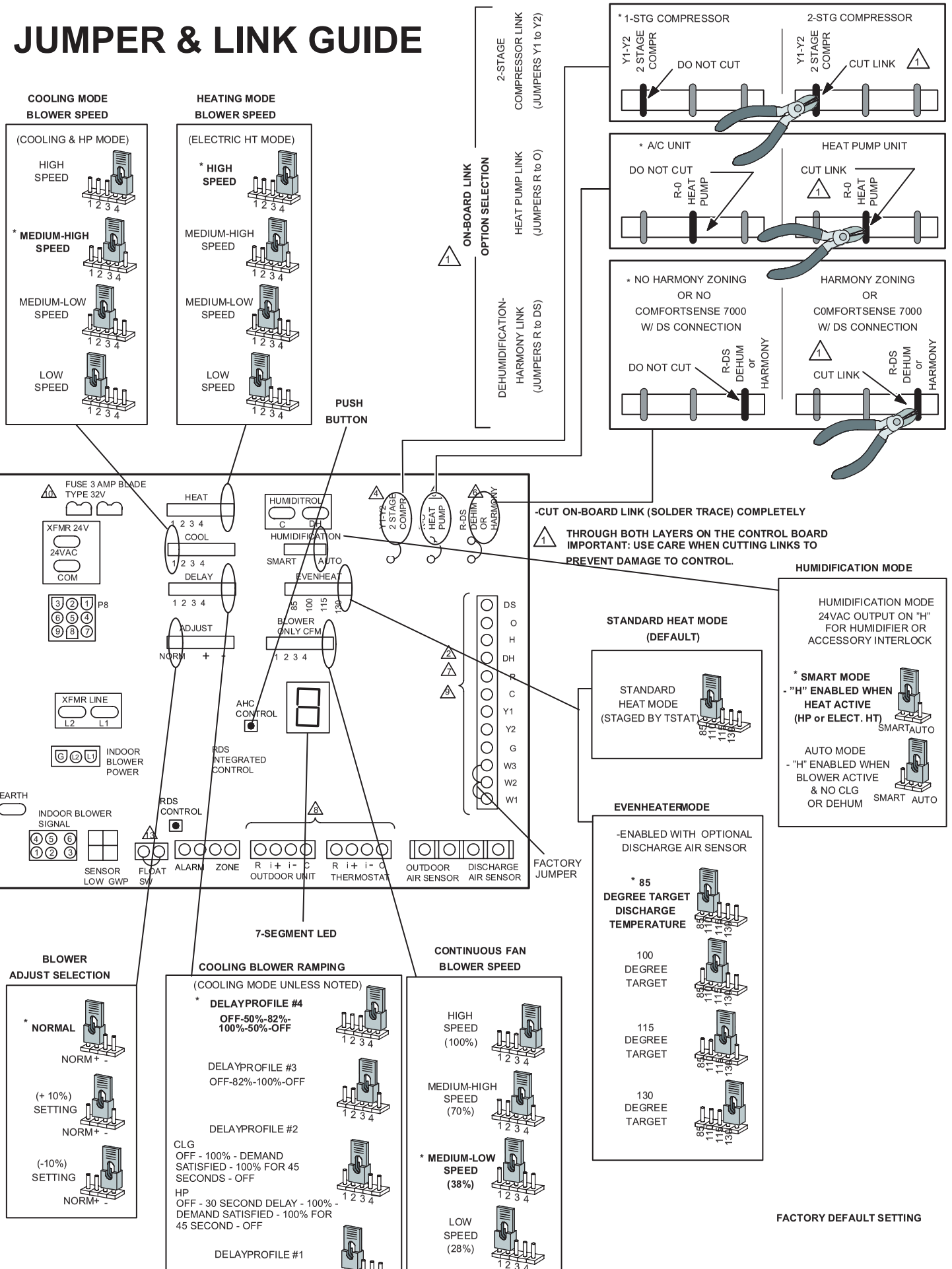
JUMPER & LINK GUIDE



AHC Single Character Display Alert Codes – Refrigerant Detection Sensor

Alert Code	Priority	Alert	How to Clear
E 150	Critical	A leak of refrigerant has been detected by the refrigerant detection system.	This may indicate the presence of a leak at or in the indoor unit coil of the equipment, that will need to be repaired for proper and safe system operation. Additionally it may indicate that proper refrigerant charge will need to be verified. This fault cannot be cleared while the refrigerant detection system sensor is reporting the presence of a leak.
E 151	Critical	The refrigerant detection system sensor is reporting a fault.	The refrigerant detection sensor in the indoor unit is reporting an issue that prevents it from functioning properly, and replacement of the sensor may be necessary. This fault clears when the sensor no longer reports the presence of a fault condition.
E 154	Critical	Communications with the refrigerant detection sensor has been lost or interrupted.	There may be an issue with the wiring harness connecting the sensor of the refrigerant detection system to the indoor unit control board, either with the wiring itself or with the connector (see Jumper and Link Guide). Check the wiring and the connector for damage or improper connectivity. Check the sensor for damage or signs that it must be replaced. This fault clears when communications with the sensor has been reestablished, but latches for a minimum of 5 minutes. Retest of the presence of fault can be effected by pressing the RDS test button on the indoor unit control board.
E 160	Critical	The refrigerant detection system sensor is of an incorrect type.	The sensor of the refrigerant detection system is of a type not suitable for use in the application. Replace the sensor with a Lennox approved replacement part. This fault clears when a sensor suitable for the application is detected by the refrigerant detection system, but will latch for a minimum of 5 minutes. Retest of the presence of the fault can be effected by pressing the RDS test button on the indoor unit control board.
E 163	Critical	The refrigerant detection system controller has failed.	There appears to be an issue with the refrigerant detection system controller on the indoor unit control board, preventing the refrigerant detection system from operating properly. This may require the replacement of the indoor unit control board. This fault clears when the refrigerant detection system controller operates normally.