Voltage readings on ABCD

	TABLE 1 Advance Troubleshooting	
Fal	FE Control Board HK38EA002 Furnace Control Board HK42FZ022 Two-Speed Control Board HK38EA001	
Wi	-Voltage Readings - ith board Power applied, and No U.I. connected	
A to B	~3 vdc	
A to C	~3 vdc	
B to C	~.01 to 0.3 vdc	
C to D	24 vac	
	-Voltage Readings - With board Power applied, and U.I. Applied	
A to B	~2.5 to 3.9 vdc (pulsating)	
A to C	~2.5 to 3.9 vdc (pulsating)	
B to C	~0.1 to 0.9 vdc (pulsating)	
C to D	24 vac	

Ohm readings on A & B

ALL readings are with Red lead on A and Black Lead on B.

Resistance chart on next page for terminals A & B:

Infinity / Evolution Comm Bus Resistance Values With power off and ABCD connectors disconnected.		
User Interface-Version 1	70K-73K	
Touch User Interface	73K-76K	
Touch User Interface - B (Prior to S/N 0518W002522)	56K-60K	
Touch User Interface - B (After S/N 0518W002522)	73K-76K	
Touch User Interface - B - (After S/N 2918W005599)	75K-82K	
Touch User Interface - B - (After S/N 2219W104324)	90K-100K	
Zone Board	70K-73K	
Smart Sensor	70K-74K	
SAMS & NIM	70K-75K	
1 & 2 Speed Outdoor Units	28K-32K	
Green Speed Outdoor Units	28K-32K	
VS8 & VS9 Before 12-03-14	16K-18K	
VS8 & VS9 Post 12-03-14	28.5K-33.5K	
5 spd AOC Pre MO740141203	16K-19K	
5 spd AOC Post MO740141203	28K-32K	
Furn & Fan Coil Early 2008	17K-19K	
Furn & Fan Coil Late 2008	28K-32K	
Furn & Fan Coil After 2008	28K-34K	
Bluetooth Module (Brown & Green)	33.4K-35K	
PCM Module (Brown & Green)	33.4K-35K	
VFD (Brown & Green)	139Ω-150Ω	
PEV	12.6Ω-15Ω	
Indoor Blower		
between yellow - blue wire	102K-105K	
3/4 HP motor - 006 fan coil	3K - 5K	

Unplug A. B. C.D before measuring resistance (OHM)