



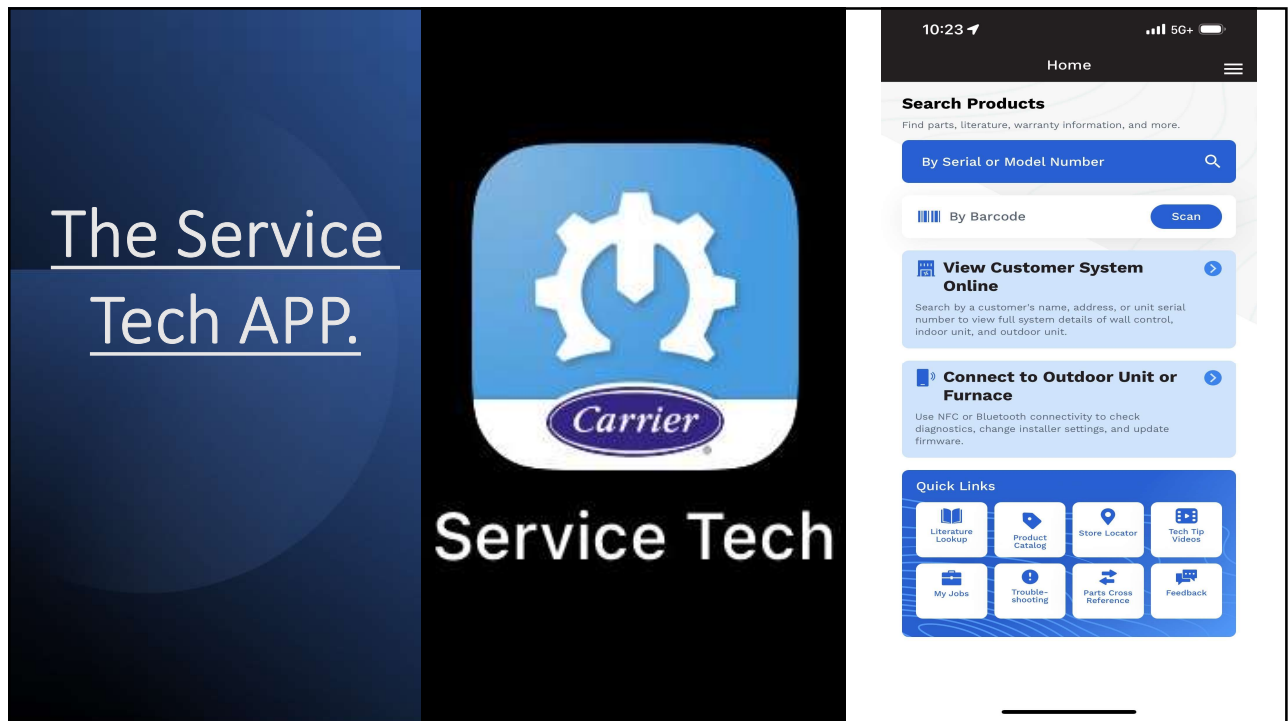
1



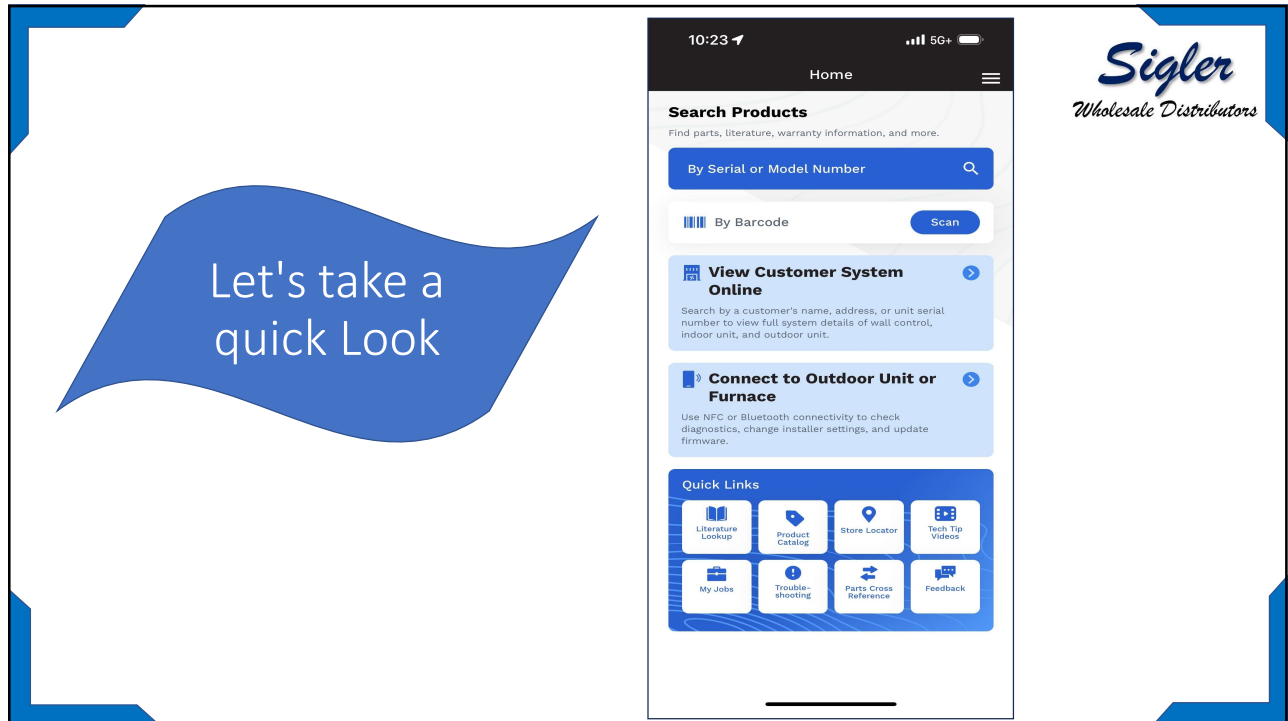
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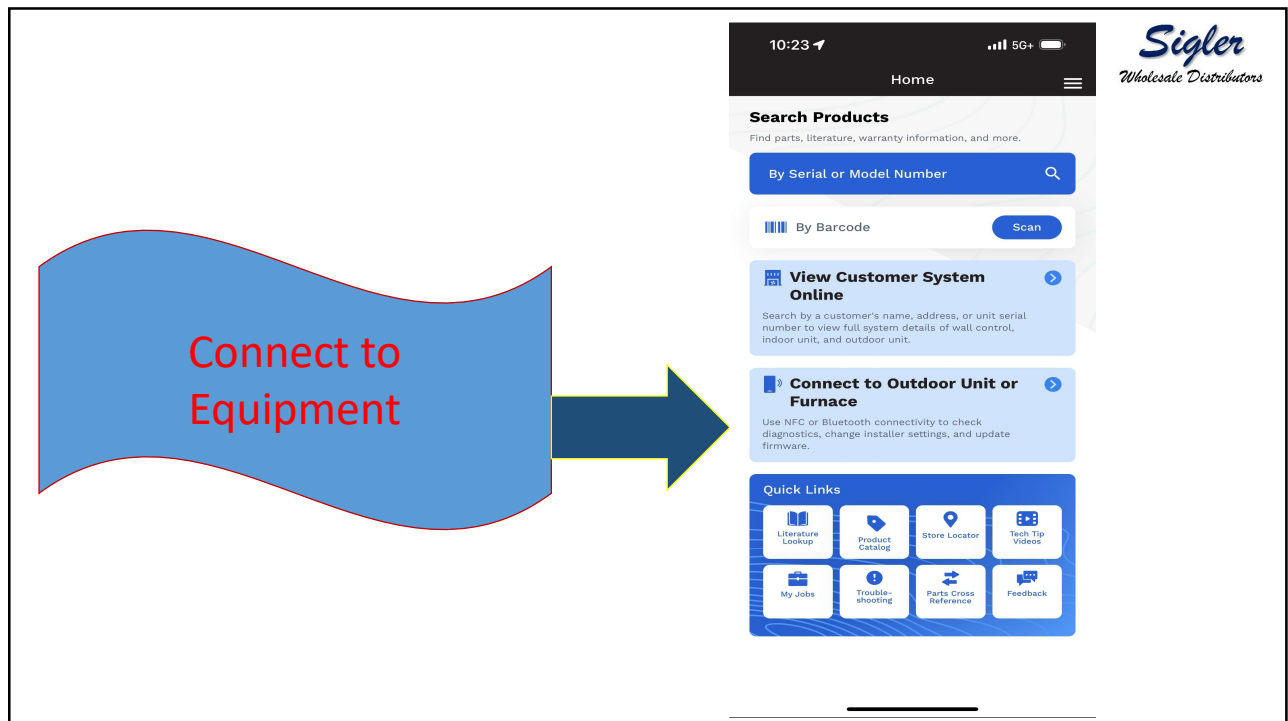
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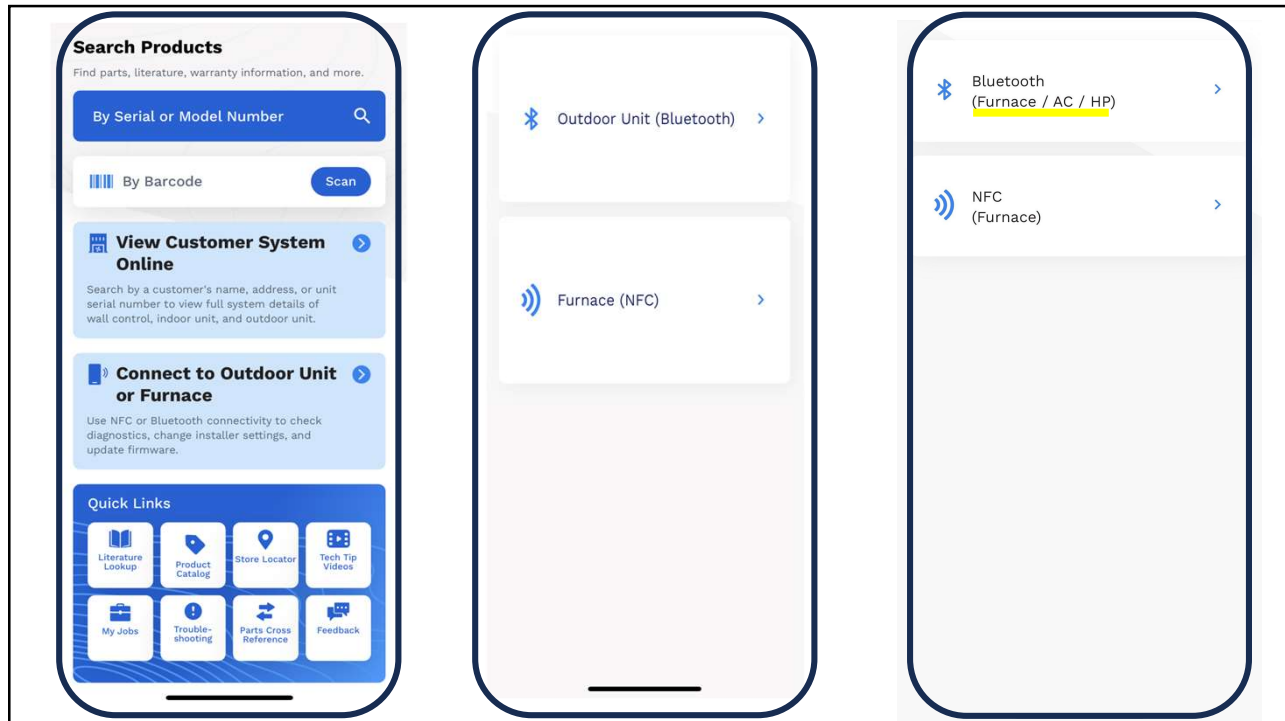
4



5



6



7

# Infinity<sup>®</sup> 26/24 Service App Upgrades

*Sigler Wholesale Distributors*

**Main Screens**

**Bluetooth Pairing**

**Interactive Troubleshooting**

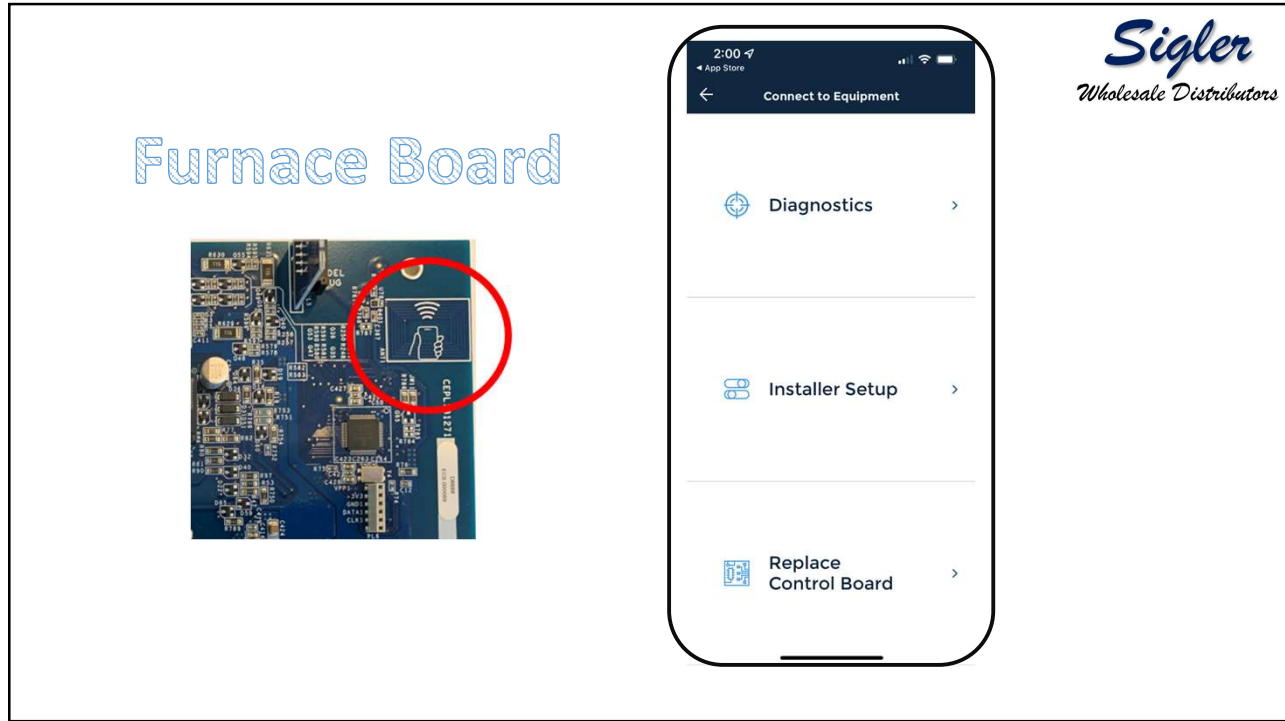
**System Parameters**

**Fault Codes**

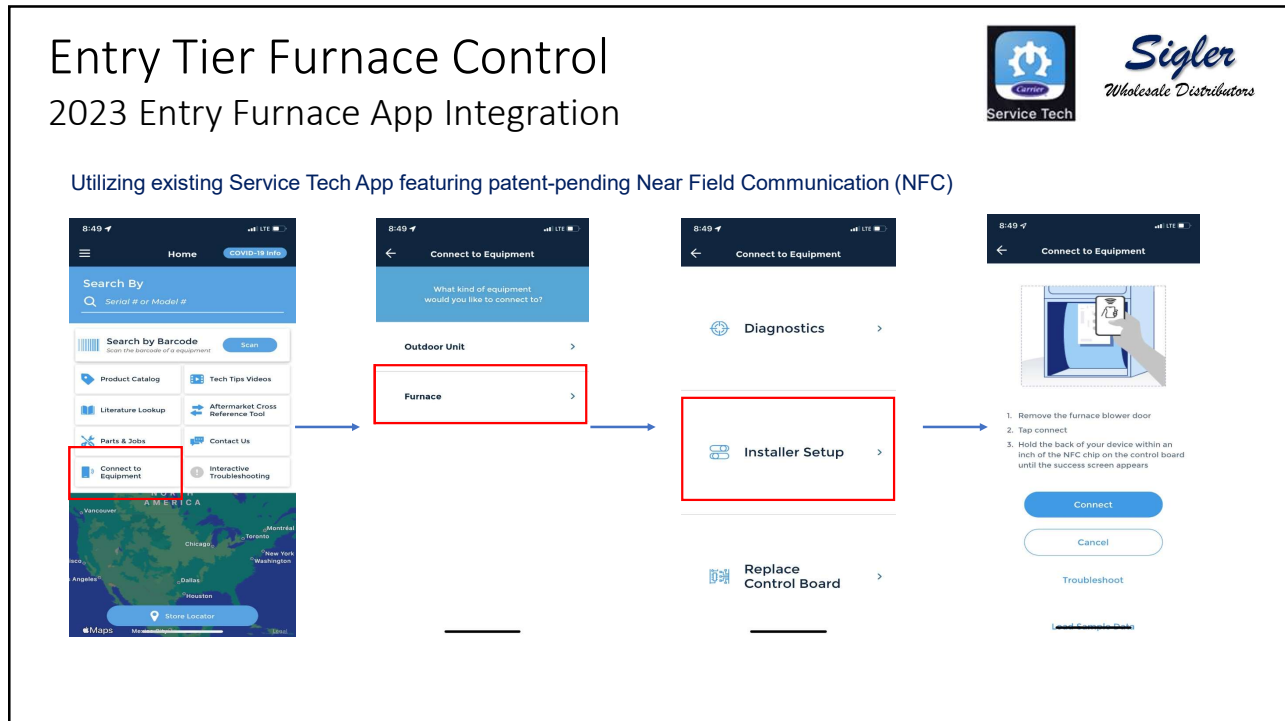
**Over-The-Air Software Update**

**Bluetooth Activation**

8



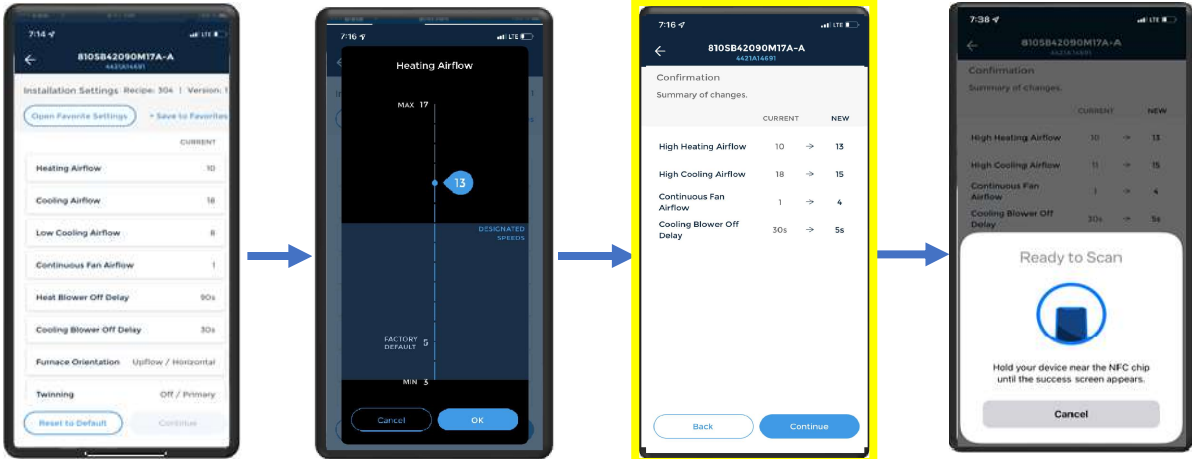

9



10

# Entry Tier Furnace Control

## Entry Furnace App Set Up



Installation Settings: Recipe: 304 | Version: 1

Open Favorite Settings | Save to Favorites

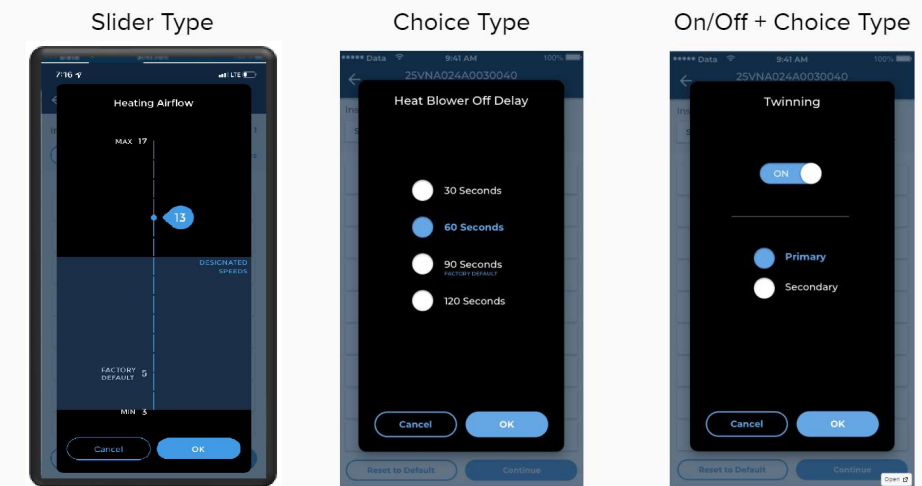

Setting	Current	New
High Heating Airflow	10	13
High Cooling Airflow	18	15
Continuous Fan Airflow	1	4
Cooling Blower Off Delay	30s	5s

Ready to Scan

Hold your device near the NFC chip until the success screen appears.

11

# App Screen Examples



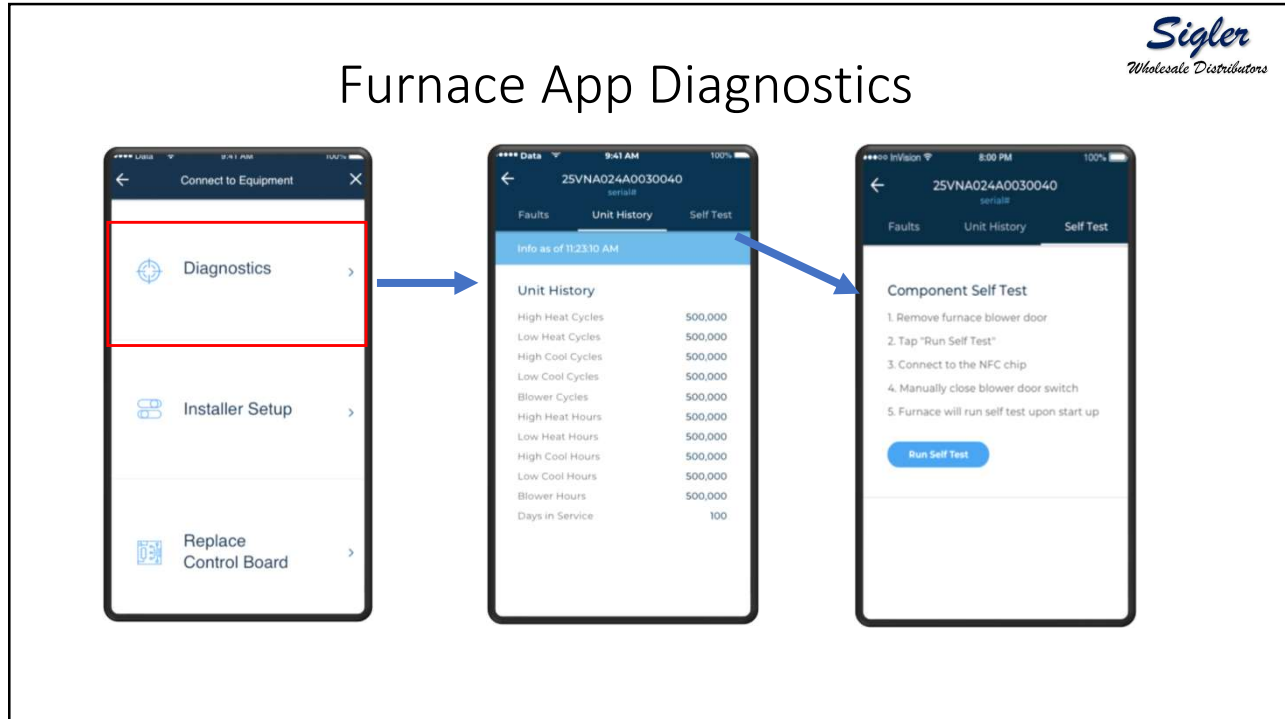
Slider Type

Choice Type

On/Off + Choice Type

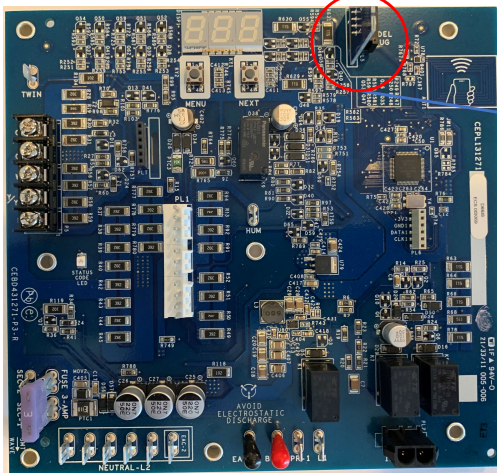
12

## Furnace App Diagnostics



13

## Entry Tier Furnace Control App Alternates - Super Plug



- Service controls do NOT contain run parameters
- Super plug is an alternate method of loading "run recipe" into furnace control
- Not in place while furnace is operating
  - Power up while plug is in place will automatically initiate programming mode, but will revert to run mode after 2 minutes
- All standard entry-tier model recipes will be contained on one Super Plug

14

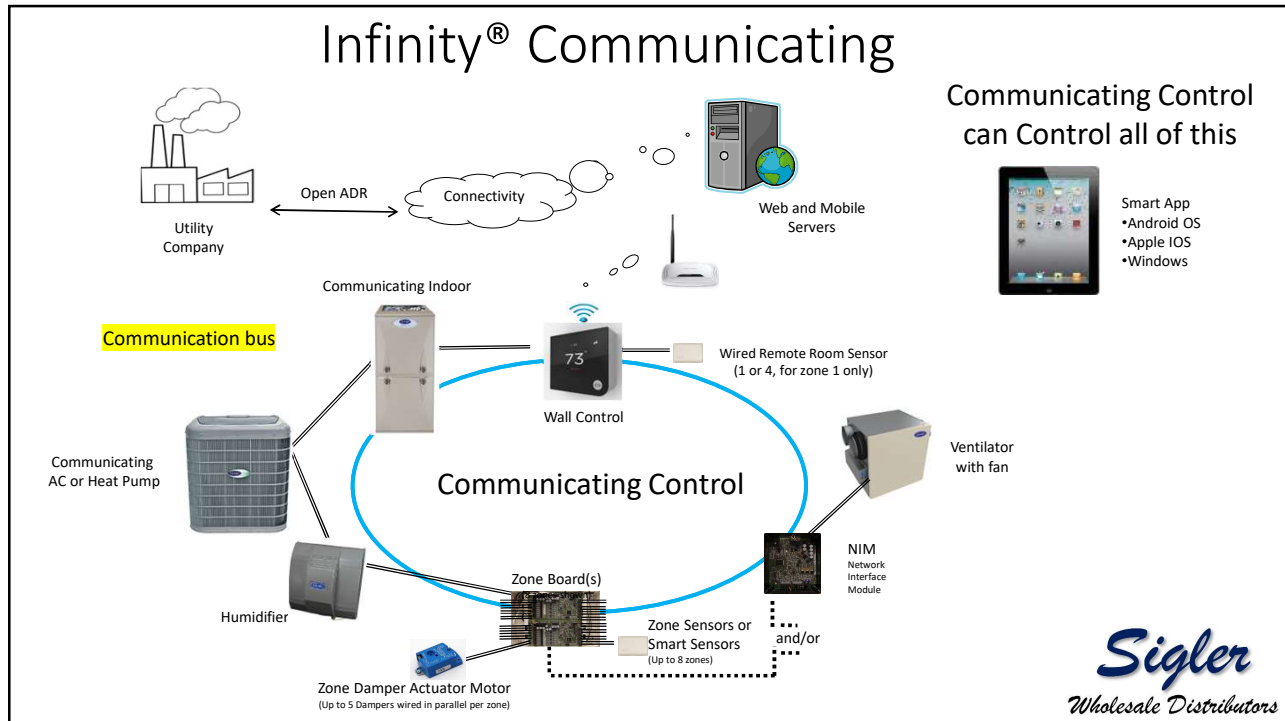


15

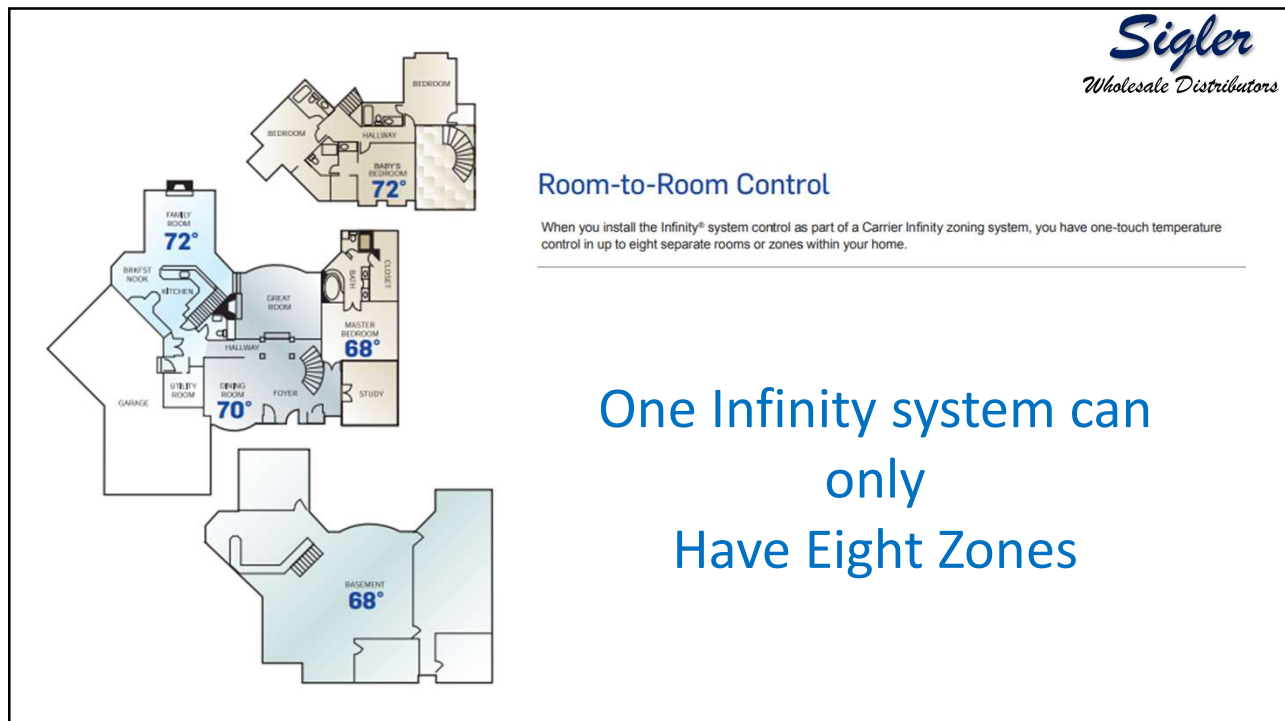


16






17



18

*Two color options for main controllers only!*



**Sigler  
Wholesale Distributors**

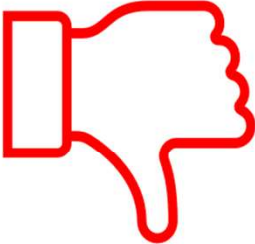
**SYSTXCCITC01-B,  
SYSTXCCITC01-C,  
SYSTXCCWIC01-B,  
SYSTXCCICF01-B,  
SYSTXCCWIF01-B  
Infinity® System Control**

19


**Controls**      **Compatibility**

*Sigler  
Wholesale Distributors*

Old UI + New equipment



Software not compatible



**Carrier**  
Infinity  
Turn to the experts

20

## Controls

## Compatibility



---



Old equipment + New UI








21

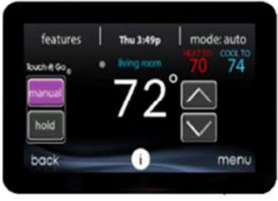
## -C Features/Functions



Same as the current system controls with the following differences:

1. Existing screens (resized) - same menus
2. New Processor chip
3. Improved connectivity - new Wi-Fi chip and Wi-Fi stack.
4. **OTA updates only - No MicroSD card slot.**
5. Proximity sensor used as the occupancy sensor.
  - a. Shorter distance from control
  - b. Shipped with Occupancy turned off, same as -B

- Dual source processor chips allow building controls at a higher production rate by the end of 2021 to work down the backlog of orders

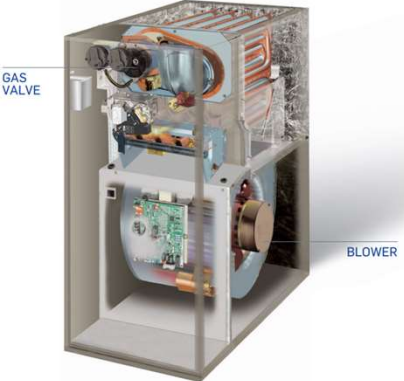



22

# INFINITY® 80 GAS FURNACES WITH COMFORT HEAT TECHNOLOGY® FEATURE

*Sigler Wholesale Distributors*

Furnaces Gas 80s 58TN



GAS VALVE

BLOWER

23

# INFINITY® SYSTEM CONDENSING GAS FURNACES

Ultra-quiet, extra-efficient comfort with up to 98.5% AFUE

**59TN6**  
Infinity® 96 Gas Furnace

**59MN7**



GAS VALVE

HEAT EXCHANGER


BLOWER

INFINITY 98 GAS FURNACE


Infinity® 98 Gas Furnace With Greenspeed® Intelligence

*Sigler Wholesale Distributors*

24



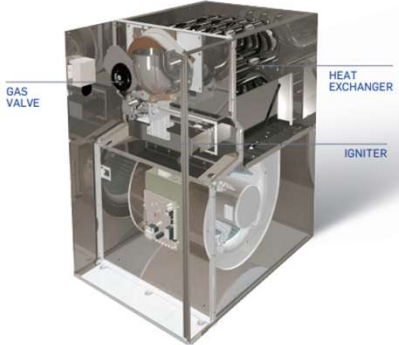
Turn to the experts




Not  
For  
LP

## CARRIER ULTRA-LOW NOX GAS FURNACES


Enjoy cozy, home heating comfort up to 95% AFUE





**65%**  
lower NOx emissions\*

\*When comparing the 59CU5, 59SU5, 58CU0 and 58SU0 to current low NOx models.




**58CU0**

Infinity® 80 Ultra- Low NOx Gas Furnace

**59CU5**

Infinity® 95 Ultra-Low NOx Gas Furnace



25





FE4A

Infinity® Fan Coil

26

*Sigler*  
*Wholesale Distributors*

 <p><b>25VNA8</b> Infinity® 18VS Heat Pump 5 stage</p>	 <p><b>25VNA4</b> Infinity® 24 Heat Pump With Greenspeed® Intelligence</p>
---	---

27

*Sigler*  
*Wholesale Distributors*

 <p><b>24VNA9</b> Infinity® 19VS Central Air Conditioner 5 stage</p>	 <p><b>24VNA6</b> Infinity® 26 Air Conditioner with Greenspeed® Intelligence</p>
---	--

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## Controls

## Compatibility



Greenspeed

equipment requires either -B or -C controller









Turn to the experts

29

# INFINITY® ZONING SYSTEM










**INFINITY® SYSTEM CONTROL**  
 SYSTXCCITC01-B,  
 SYSTXCCITC01-C or  
 SYSTXCCWIC01-B

- Full-color touch screen
- The brain of the Infinity zoning system
- Default temperature and humidity sensor for Zone 1
- Allows user to operate, program, setup, monitor, and troubleshoot the system
- Manages each zone's airflow and adjusts for quiet comfort
- Ten-year parts limited warranty upon timely registration\*



**INFINITY® DAMPER CONTROL MODULE**  
 SYSTXCC4ZC01


- Receives signals from the Infinity system control and turns on equipment
- Modulates the necessary dampers to maintain space temperature
- Major components are connected directly to the damper control module
- One damper control module serves up to four zones
- Cycles one zone at a time minimizing load on the system transformer
- Ten-year parts limited warranty upon timely registration\*

30



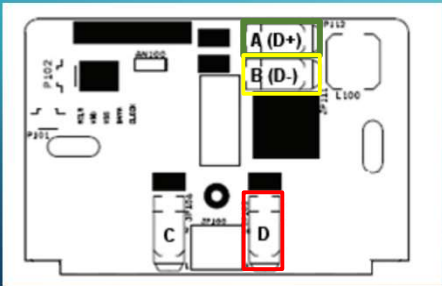
 <p><b>REMOTE ROOM SENSORS</b> <u>SYSTXCCRRS01</u></p> <ul style="list-style-type: none"> <li>• Provides the temperature reading to the Infinity system control in remote locations</li> <li>• Two wire sensors that are wired back to the Infinity damper control module</li> <li>• Recommend running four wires for future smart sensor installation</li> <li>• Ten-year parts limited warranty upon timely registration*</li> </ul>	 <p><b>SMART ZONING SENSORS</b> <u>SYSTXZNSMS01</u></p> <ul style="list-style-type: none"> <li>• Full glass touch screen with 2.8" color display</li> <li>• Small size (3.5" x 2.5" x 0.85") provides intuitive user experience</li> <li>• Temperature accuracy - displays outdoor temperature and indoor humidity</li> <li>• Change temperature or fan speed from the zone</li> <li>• Ten-year parts limited warranty upon timely registration*</li> </ul>	 <p><b>MODULATING DAMPERS</b> <u>DAMPREC, DAMPRND, DAMPSL</u></p> <ul style="list-style-type: none"> <li>• Modulating dampers in round, rectangular or slip-in sizes</li> <li>• Powered open and powered closed using a 24 VAC three wire connection</li> <li>• Non-spring return with specific drive timing to track position</li> <li>• Designed to draw less current allowing up to five dampers to a single zone</li> <li>• Ten-year parts limited warranty upon timely registration*</li> </ul>
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**SMART ZONING SENSORS**  
SYSTXZNSMS01

Only in **Black for Now!**



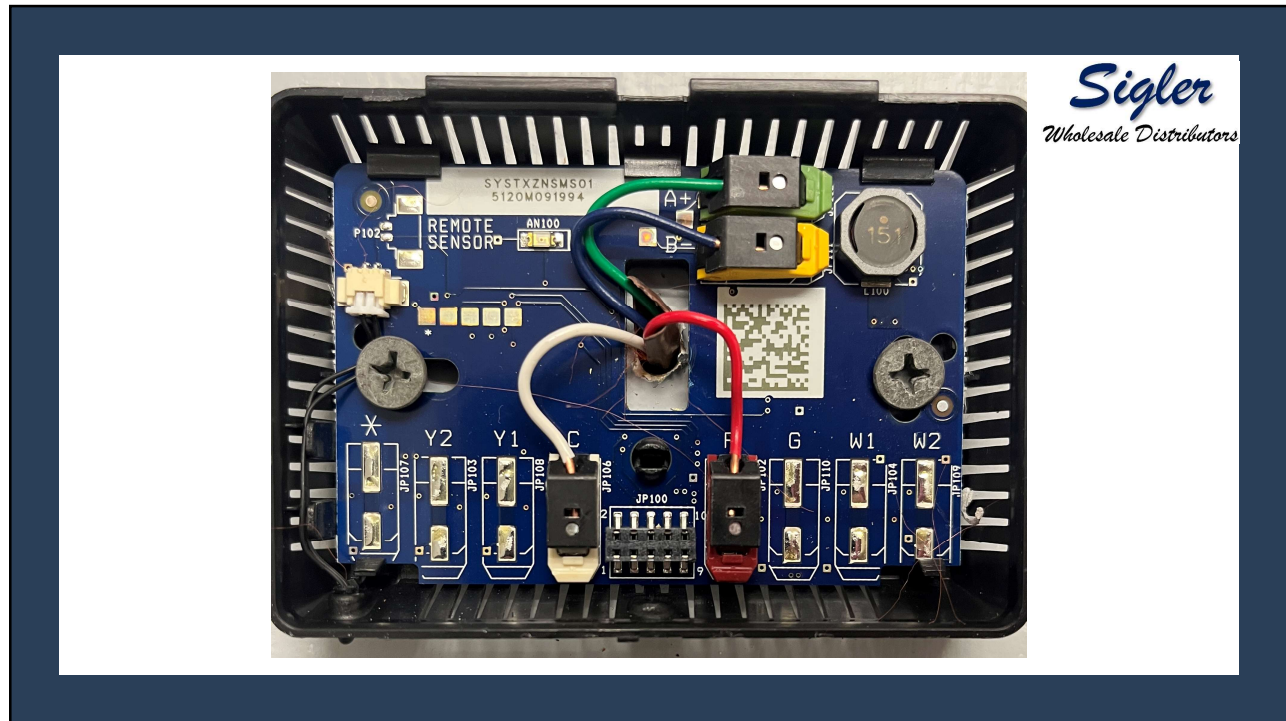


**FEATURES:**

- Full glass touch screen
- 2.8" Color display
- Small size (3.5" x 2.5" x 0.85")
- Intuitive user experience
- Temperature Accuracy
- Display of outdoor temperature and indoor humidity
- Change temperature or fan speed from the zone


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## Zone Smart Sensor




**Smart Sensor Setup**

After successful communications with the Master Thermostat has occurred, the screen shall change to the Home Screen. However, if the Zone Address has never been set, the Enter Zone Address Screen is displayed instead with an initial zone number of 2.



A200274

Use the up/down buttons to select the correct zone address number 1 through 8. If only one Damper Control Module exists, the zone address selection will only be 1 through 4. Once the zone number is selected, press the save button to store the zone address and exit the setup menu. The Smart Sensor is ready to operate.



**Changing Zone Address**

To change an existing zone address, enter the setup menu by swiping from Left to Right on the Home Screen to display the Fan Screen, pressing and holding the Fan button for 6 seconds, and then pressing on the Zone Address Line. Use the up/down buttons to select the correct zone address and then press "Done" and exit the setup menu. If no buttons are pressed for approximately 30 minutes, the screen will automatically save and exit back to a normal display.

To ensure that all changes are recognized by the main control, perform the "Full Installation" function in the Installation & Service Menu of the Touch Control after zone addresses are changed.

34

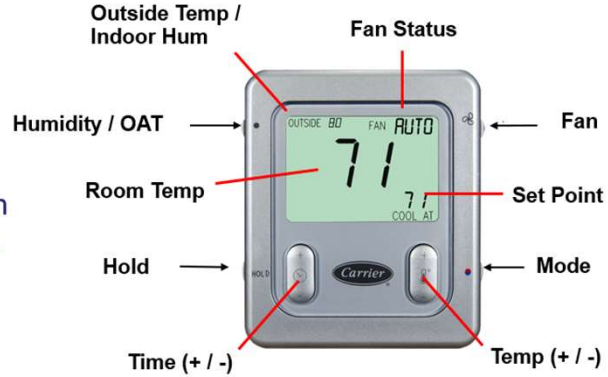
## Controls

# Zoning Smart Sensors – (push button) SYSTXCCSMS01–B

press and hold the MODE and HOLD buttons simultaneously for 3 seconds to change the zone address.

Keypad lock activated by holding hum and fan simultaneously for 3 seconds

Press hold for 3 seconds will unoccupy that zone



Compatible with new UI and Zoning controls

*Sigler*  
Wholesale Distributors

*Carrier*  
Turn to the experts

35

## 10 K Resister\*

*Sigler*  
Wholesale Distributors

## REMOTE ROOM SENSORS SYSTXCCRRS01



Height	0.75"
Item	Remote Room Sensor
Length	3.25"
Type	Evolution
Weight	0.1 lb
Width	2.5"

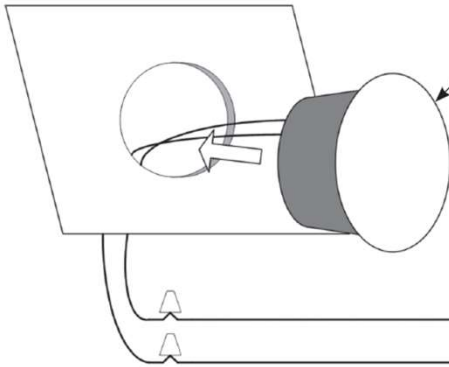
36

## Can you use any 10 K Resistors?



### APRILAIRE® MODEL 8051 FLUSH MOUNT SENSOR INSTALLATION INSTRUCTIONS

**Step 1:** Use a 1" paddle bit to drill a 1" dia. hole in the drywall/sheetrock. Keep the drill steady and horizontal to ensure a clean finished hole.



PRESS FLUSH MOUNT TEMPERATURE SENSOR INTO 1" HOLE. NO FASTENERS REQUIRED.

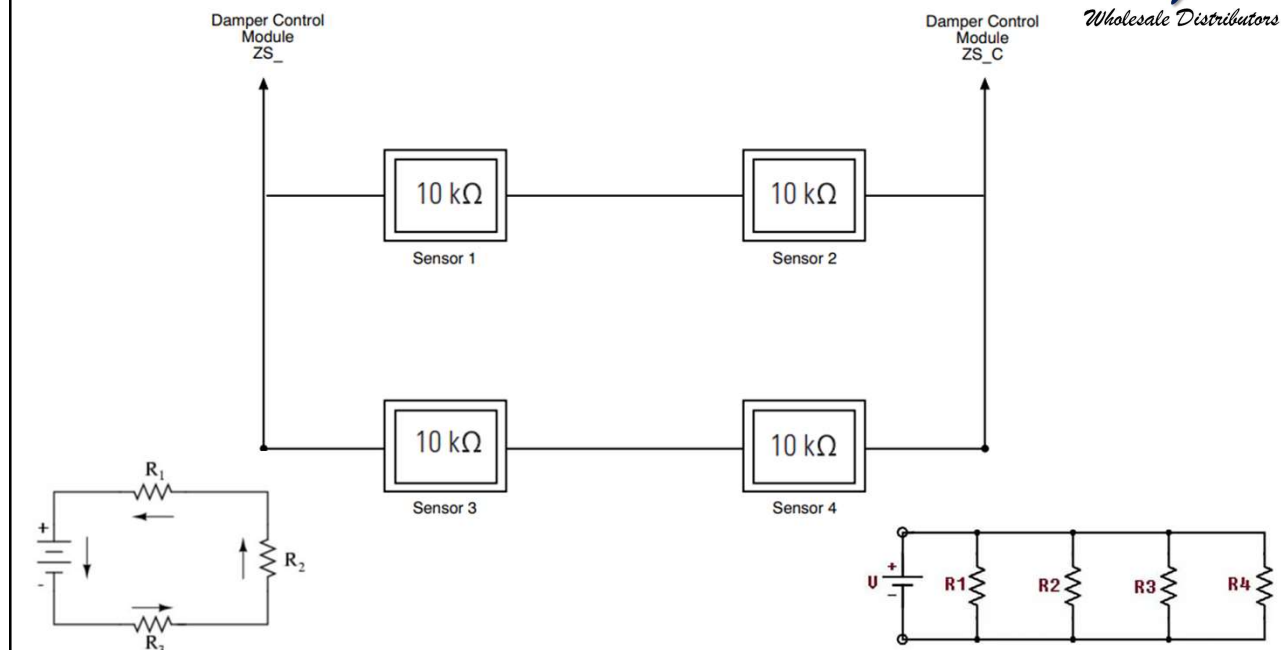
**NOTE:** Paint or apply wall paper to the sensor disk prior to installing the sensor into the wall.

#### Sensor Specifications

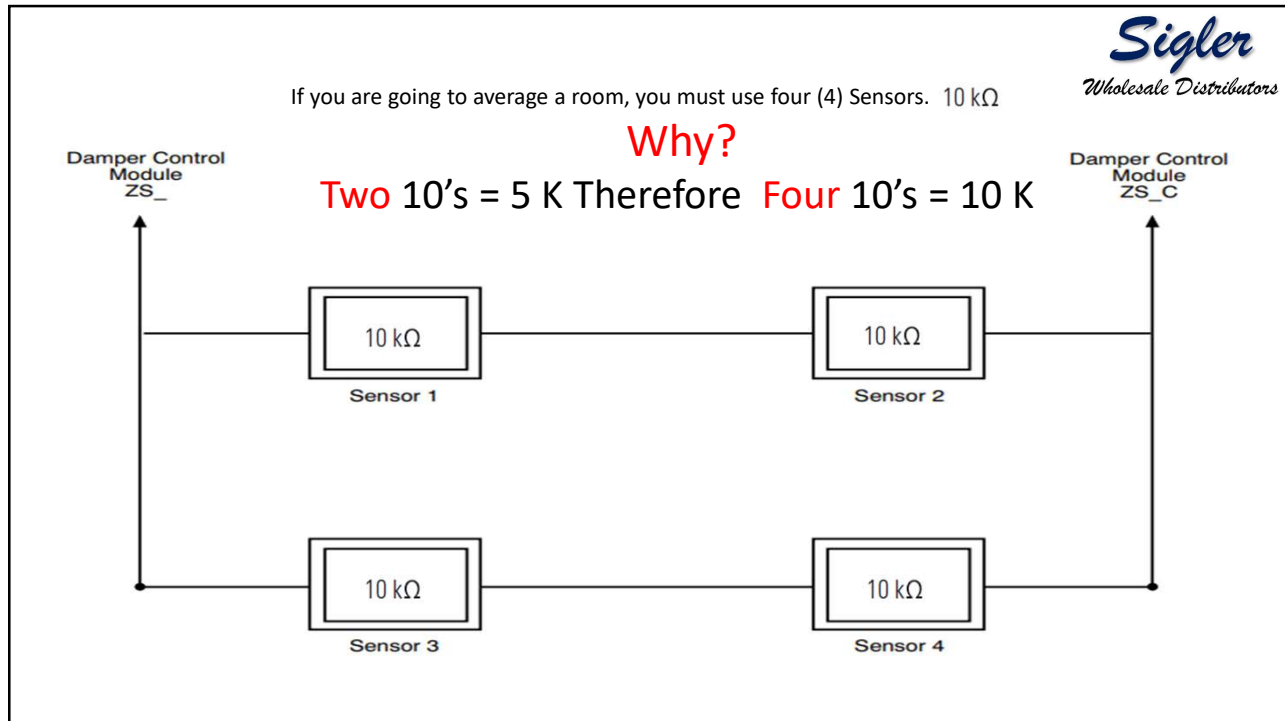
Voltage	20-30 VAC
Resistance @ 25°C (77°F)	10 kΩ
Tolerance @ 25°C (77°F)	±3%

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#### - Remote Room Sensor Averaging 4-Sensor Application (series - parallel)



38



39

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Wholesale Distributors

How do I  
check my 10 K  
sensors?

The following table shows the correct resistance at various ambient temperatures without the sensor wires attached to a thermostat or support module.

Temperature (°F)	Resistance (kΩ)
30	34.6
40	26.1
50	19.9
60	15.3
70	11.9
80	9.4
90	7.4
100	5.9

40

## Do We need additional Transformers?



41

## Let's Talk VA

- Volt-Amps
- Transformer capacity is rated in **Volt-Amps (VA)** which is generally the same as wattage (Watts). Most loads are labeled with their proper operational voltage (Volts), current (Amps), frequency (Hz), and wattage (Watts or VA).



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## Transformer Requirements

1 Zone Can Have Five Dampers.

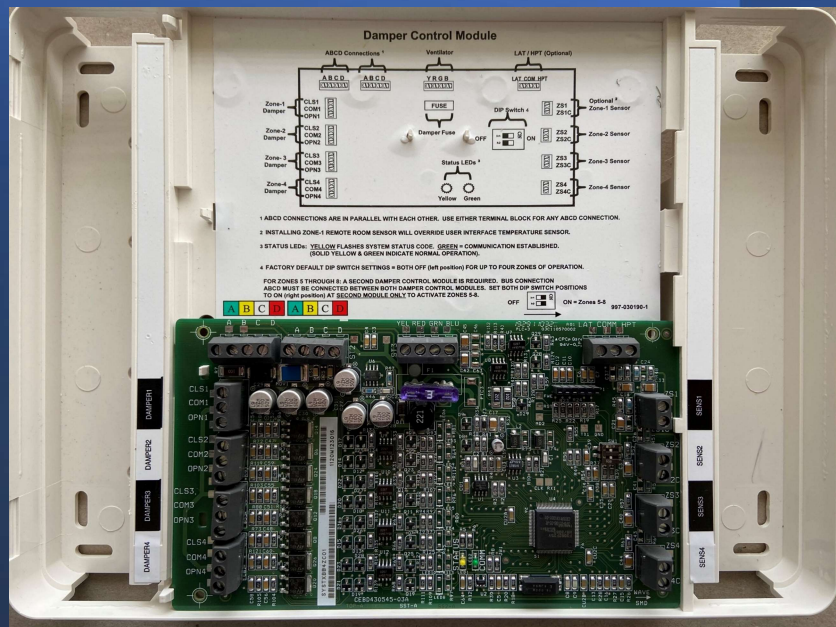
8 Zones X 5 Dampers = 40 dampers.

The Evolution® Zoning System has a lower power draw than the system transformer from previous controls.

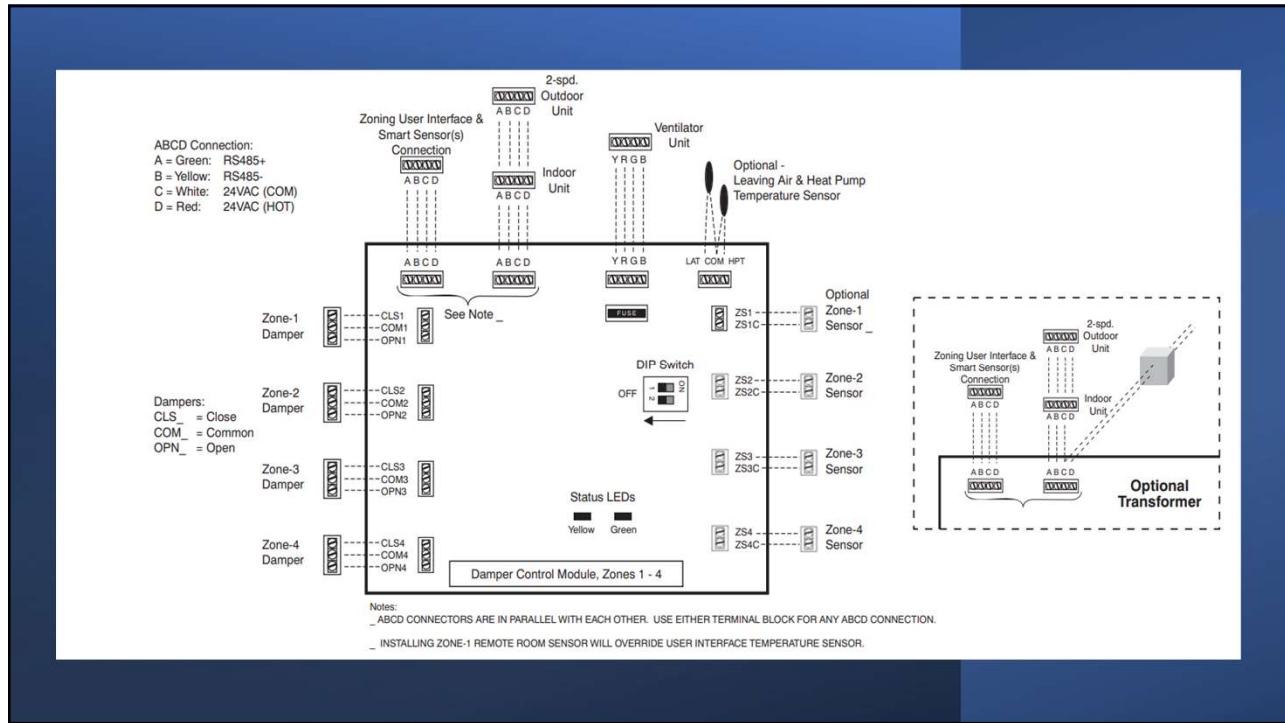
**It also drives only two zone damper outputs at a time.** As a result, up to eight zones each with up to five dampers, plus a smart sensor, can be handled without increasing the size of the system transformer or adding a second zoning transformer.

Use of the transformer provided in the furnace or fan coil is recommended without change in all zoning applications except those having a System Access Module (SAM). The SAM requires a separate transformer. For those who still want more transformer capacity, a 60 VA system transformer may be used in place of the supplied 40 VA part.

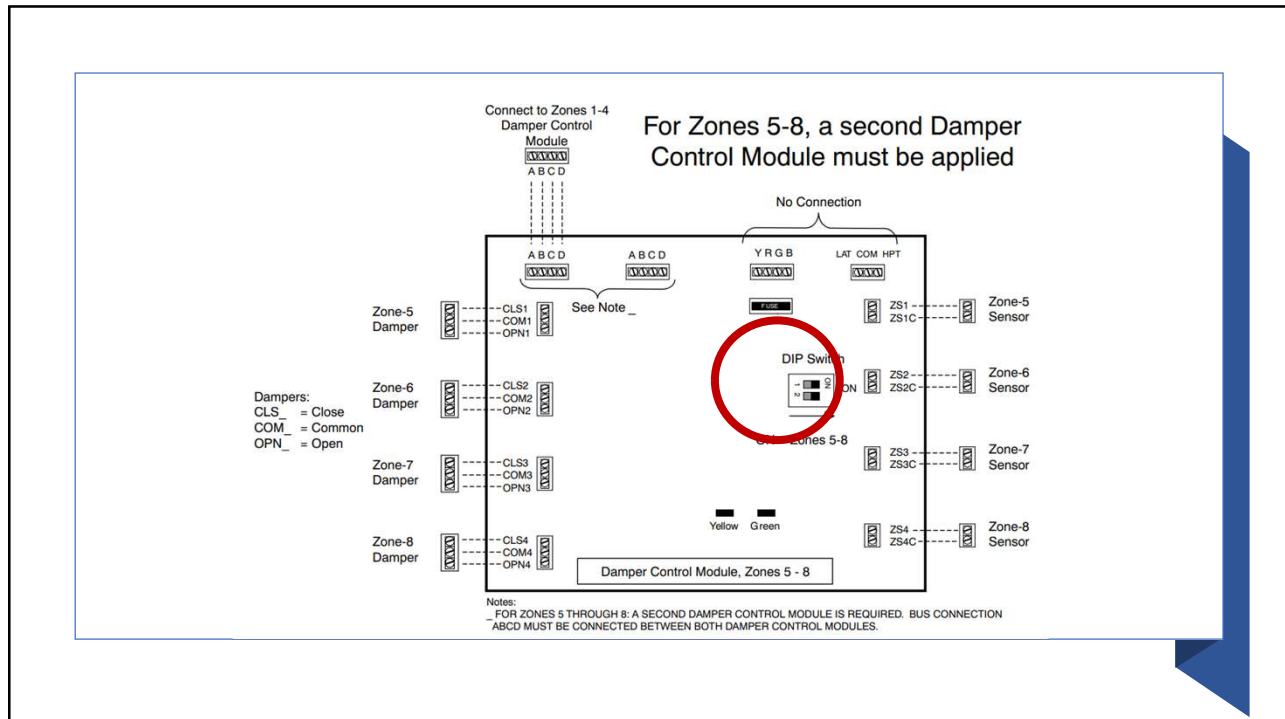
43



44



45



46

### MODULATING DAMPERS

*DAMPREC, DAMPRND, DAMPSL*

- Modulating dampers in round, rectangular or slip-in sizes
- Powered open and powered closed using a 24 VAC three wire connection
- Non-spring return with specific drive timing to track position
- Designed to draw less current allowing up to five dampers to a single zone
- Ten-year parts limited warranty upon timely registration\*

47

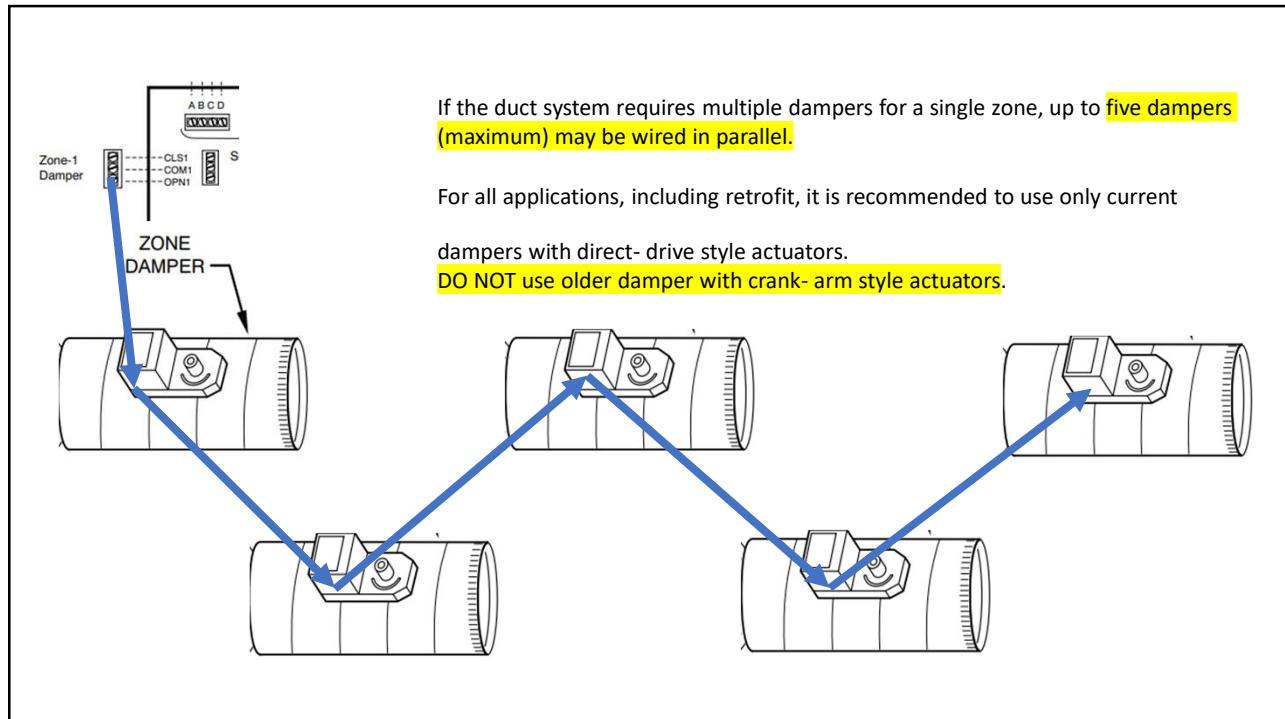
Fig. 1 - Round Damper

Fig. 2 - Rectangular Damper

Fig. 3 - Slip-In Damper

48





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50

## Eliminating Wiring Communication Noise

01

DO NOT route control wires parallel to high voltage wires

- Creates electrical noise
- Generates nuisance fault codes

02

ONLY cross low-voltage control and high voltage wires at perpendicular angles

- Eliminates line noise

03

USE SHIELDED wiring/cable install accessories if communication issues exist

- Shielding grounded at one end of the wire only

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## Shielded Wire

In areas with high voltage wiring, it may be wise to use shielded wiring.

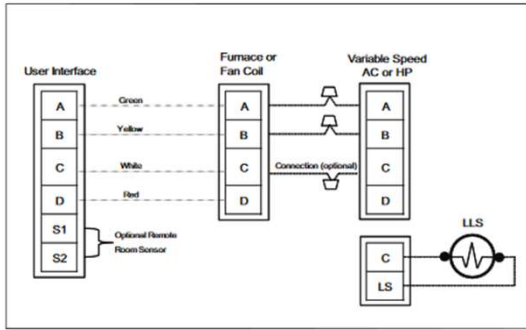
Ground wire should be connected only at the indoor unit "C" terminal or equipment ground.

Daisy Chain wiring is preferred

- Runs over 100' should terminate with a 100ohm resistor to help mitigate electrical noise

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# Wiring the Wall Control



## Wiring Requirements

Use #18 AWG or larger color-coded, insulated (35°C minimum) wire for low voltage

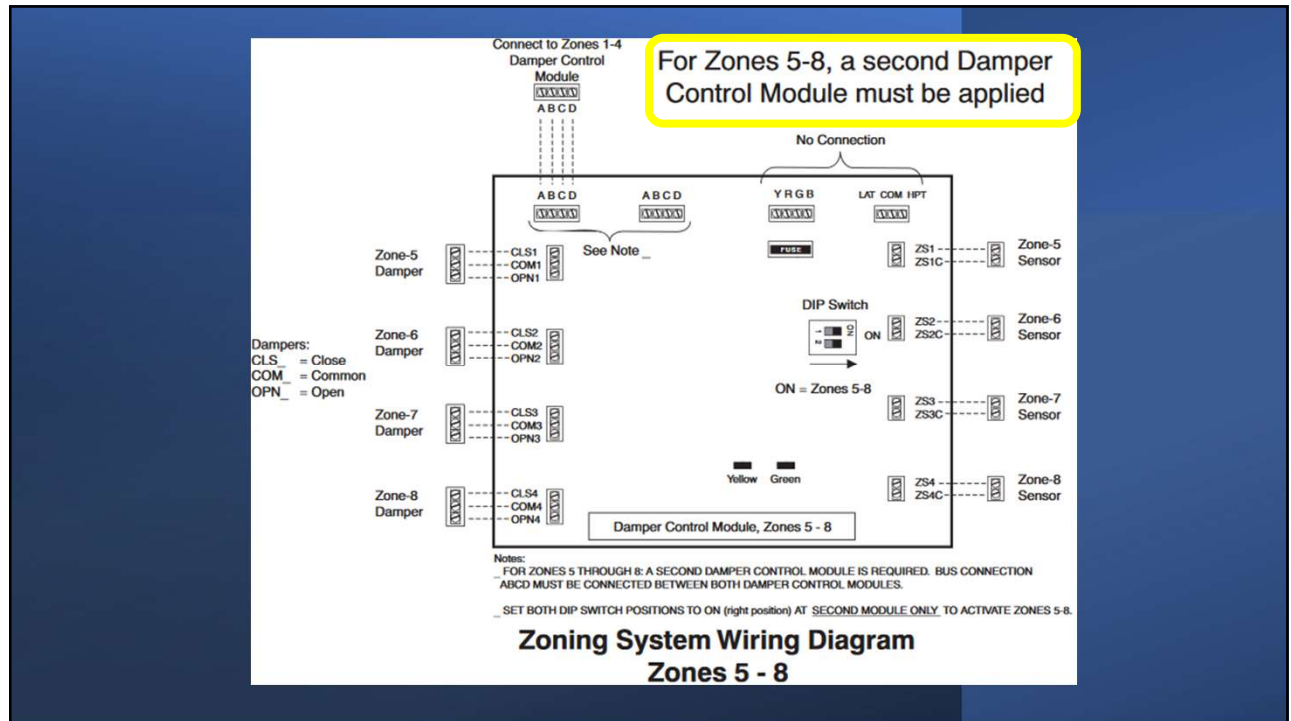
All wiring must be NEC Class 2

Separate wires from incoming power leads

Low voltage wiring

Runs of greater than 200 feet, consult wall control manual

53



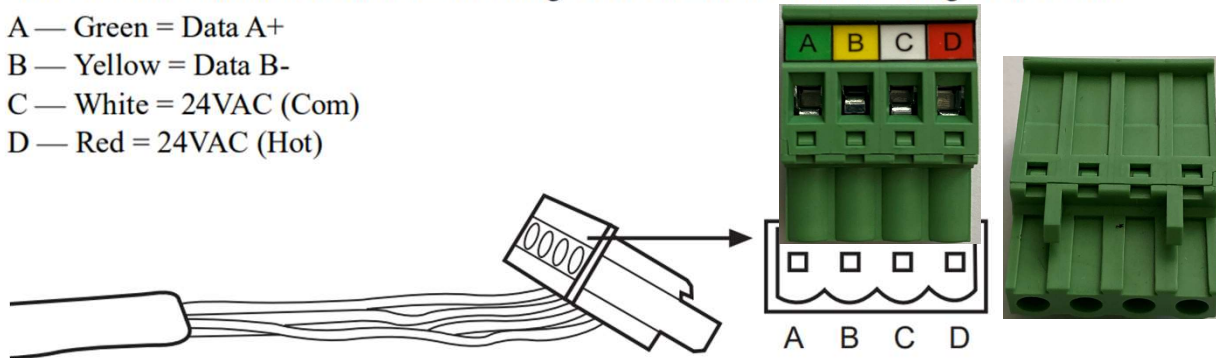
54



**NOTE:** ABCD bus wiring only requires a four-wire connection; however, it is good practice to run thermostat cable having more than four wires in the event of a damaged or broken wire during installation.

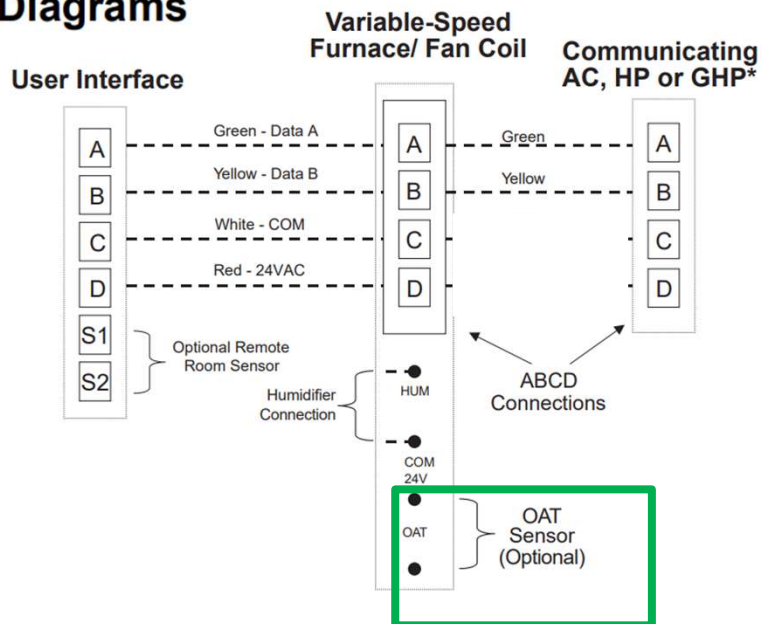
Each communicating device in the Evolution Zone System has a four-pin connector labeled ABCD. It is recommended that the following color code be used when wiring each device:

- A — Green = Data A+
- B — Yellow = Data B-
- C — White = 24VAC (Com)
- D — Red = 24VAC (Hot)

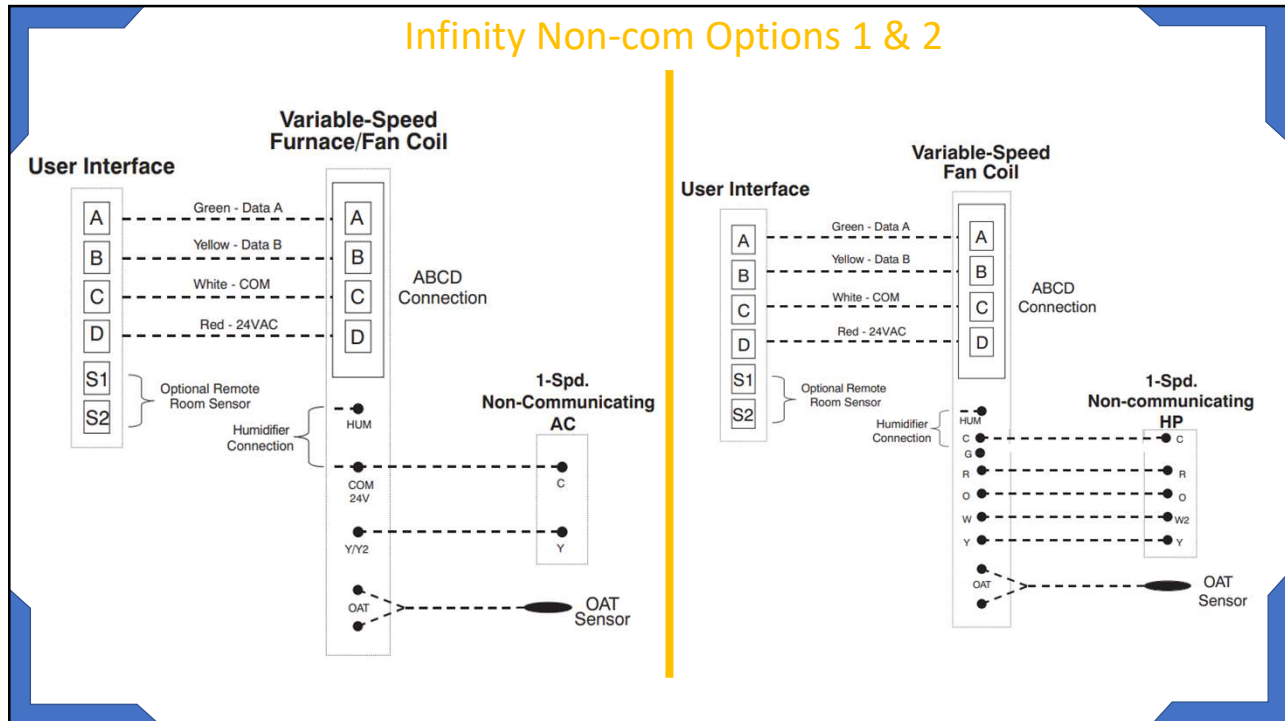


55

## Wiring Diagrams



56



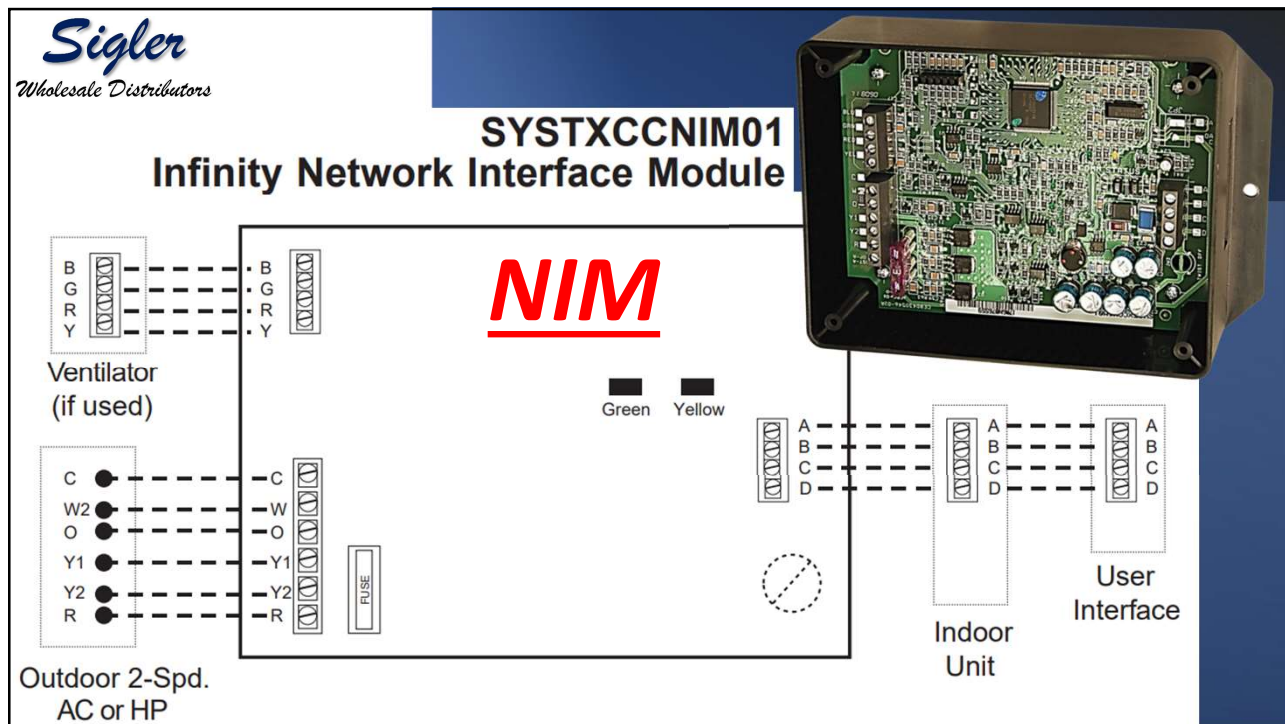
57

AC1Stage	—	1-stage air conditioner
* AC2Stage	—	2-stage air conditioner
* HP1Stage	—	1-stage heat pump
* HP2Stage	—	2-stage heat pump
None	—	No outdoor unit installed

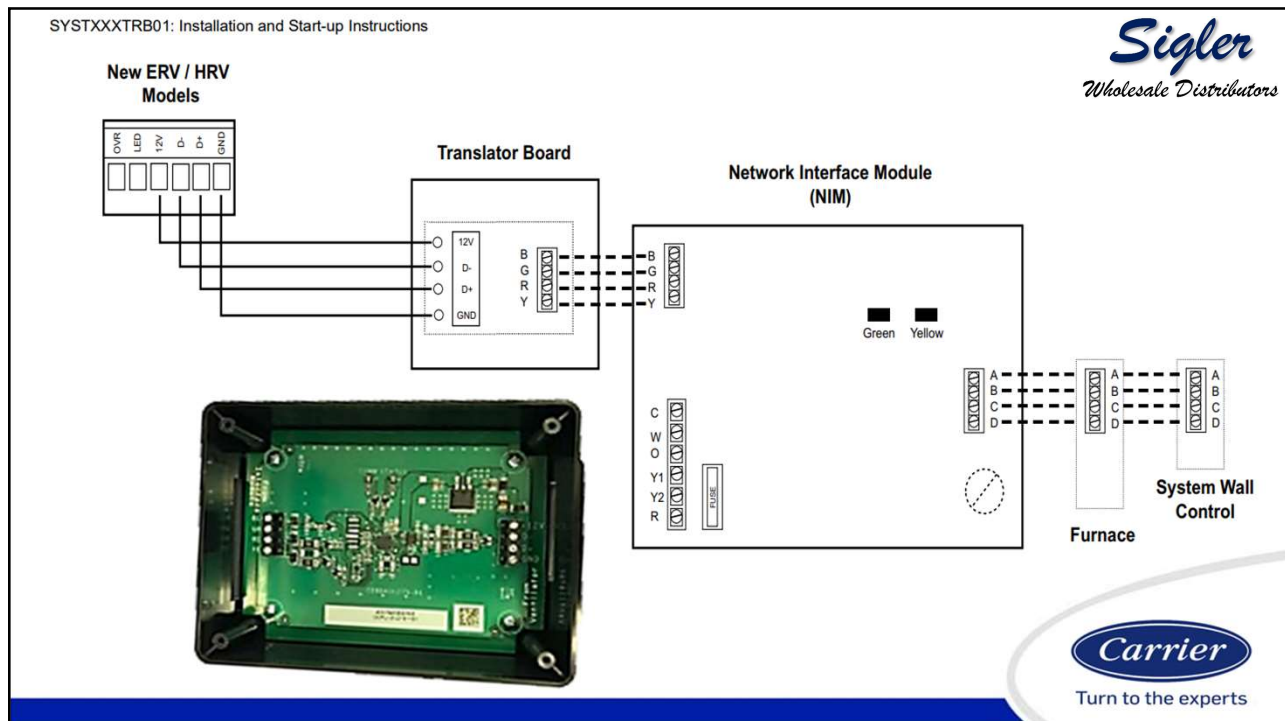
\*. Network Interference Module (NIM) may be required for these selections to be displayed.

**Sigler**  
Wholesale Distributors

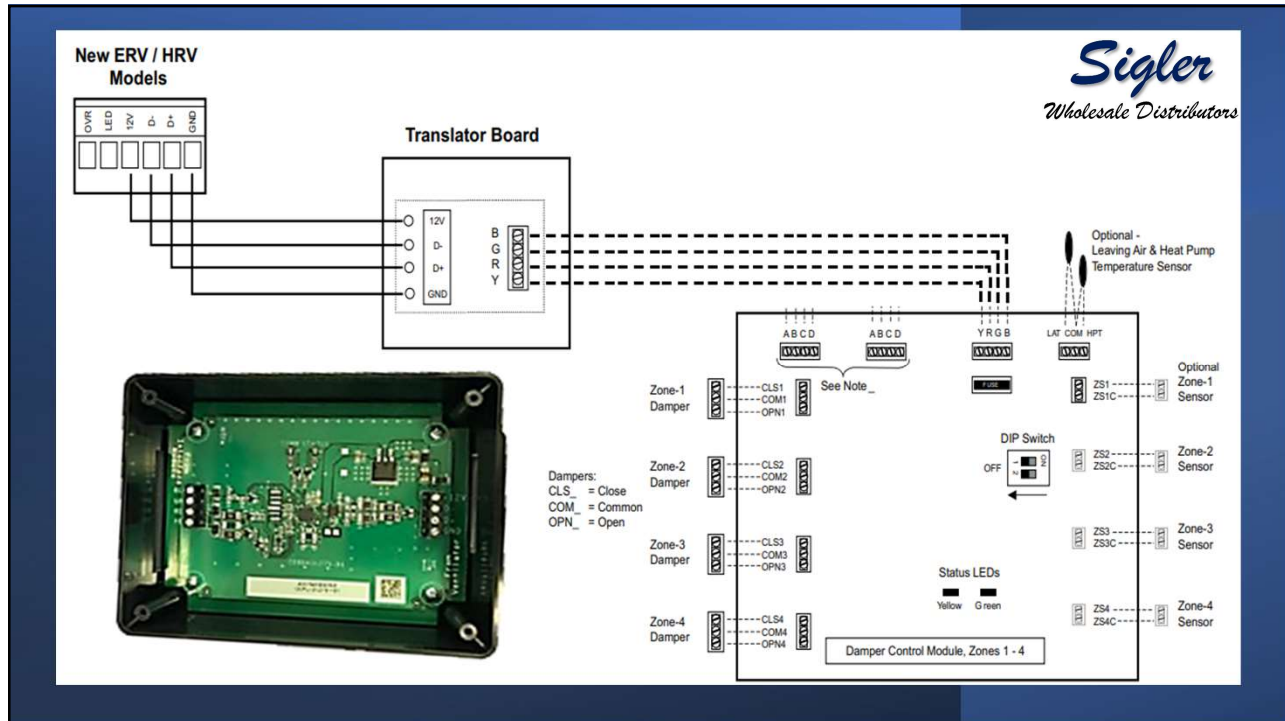
58



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60



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**Table 1 – NIM and TRB Requirements for Newest ERV/HRV**

Infinity® System Control / Evolution® Connex™ Control	ERV Product	HRV Product	Network Interface Module SYSTXCCNIM01	Translator Board SYSTXXXTRB01
SYSTXCCITC01-B SYSTXCCITC01-C SYSTXCCWIC01-B SYSTXCCICF01-B SYSTXCCWIF01-B SYSTXBBECC01-B SYSTXBBECC01-C SYSTXBBWEC01-B SYSTXBBECF01-B SYSTXBBWEF01-B	ERVXXSVA1130	HRVXXSVA1130	Required	Required
	ERVXXSHA1130	HRVXXSHA1130	Required	Required
	ERVXXSVB1145	HRVXXSVA1160	Required	Required
	ERVXXSHB1145	HRVXXSHA1160	Required	Required
	ERVXXSVA1150	HRVXXSVB1160	Required	Required
	ERVXXSHA1150	HRVXXSHB1160	Required	Required
	ERVXRLHB1200	HRVXRLHB1250	Required	Not Required
Infinity® Zone Panel / Evolution® Zone Panel	ERV Product	HRV Product	Network Interface Module SYSTXCCNIM01	Translator Board SYSTXXXTRB01
SYSTXCC4ZC01 SYSTXBB4ZC01	ERVXXSVA1130	HRVXXSVA1130	Not Required	Required
	ERVXXSHA1130	HRVXXSHA1130	Not Required	Required
	ERVXXSVB1145	HRVXXSVA1160	Not Required	Required
	ERVXXSHB1145	HRVXXSHA1160	Not Required	Required
	ERVXXSVA1150	HRVXXSVB1160	Not Required	Required
	ERVXXSHA1150	HRVXXSHB1160	Not Required	Required
	ERVXRLHB1200	HRVXRLHB1250	Not Required	Not Required

62

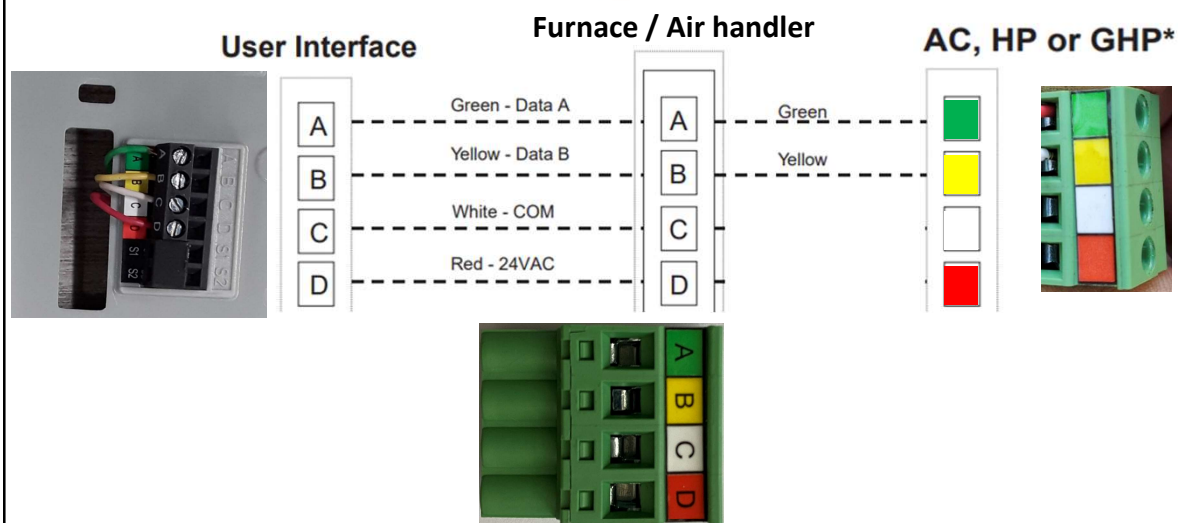
## Communication Troubleshooting

Voltmeter capable of reading VDC

Ohmmeter capable of reading 100k ohms

63

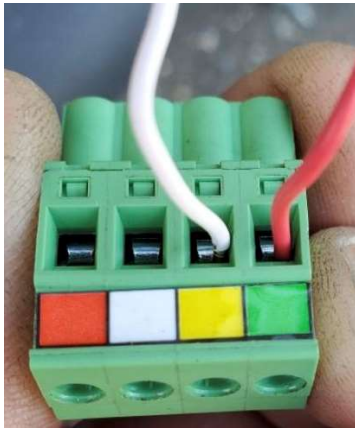
## Infinity Basics



64



What is going on? Has the factory lost its head?  
Let's talk about what is new for 2020 / 2021

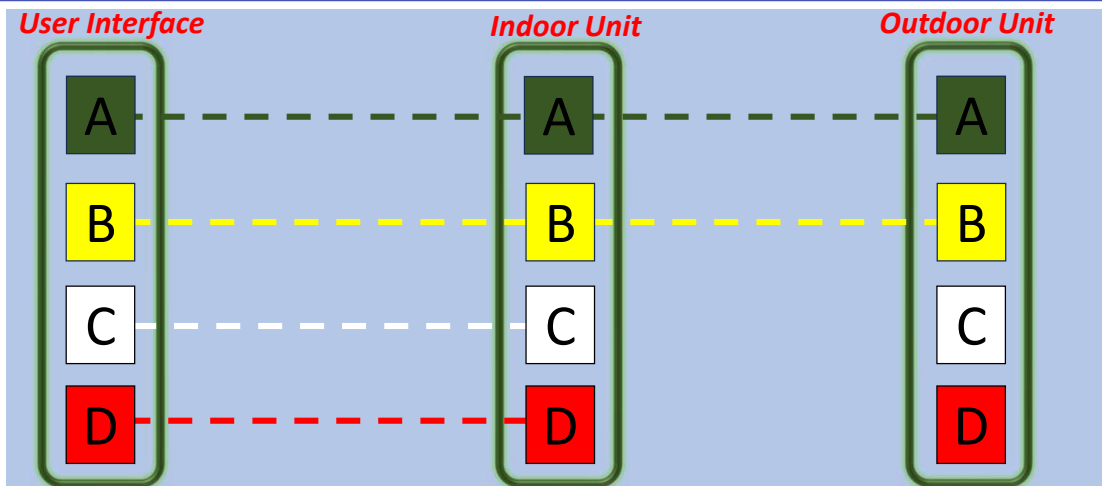


Some  
Of  
The  
New  
Condensers  
Use  
Just  
Color Codes  
No A, B, C, D



65

## Communication Troubleshooting



Beginning 2013 only 2 wires to the outdoor unit!



66

# Communication Troubleshooting

*Sigler*  
Wholesale Distributors

*User Interface*

*Indoor Unit*

*Outdoor Unit*

*Prior to 2013 there were 4 wires to the outdoor unit!*

Turn to the experts

67

# Communication Troubleshooting

*Sigler*  
Wholesale Distributors

*User Interface*

*Indoor Unit*

*Outdoor Unit*

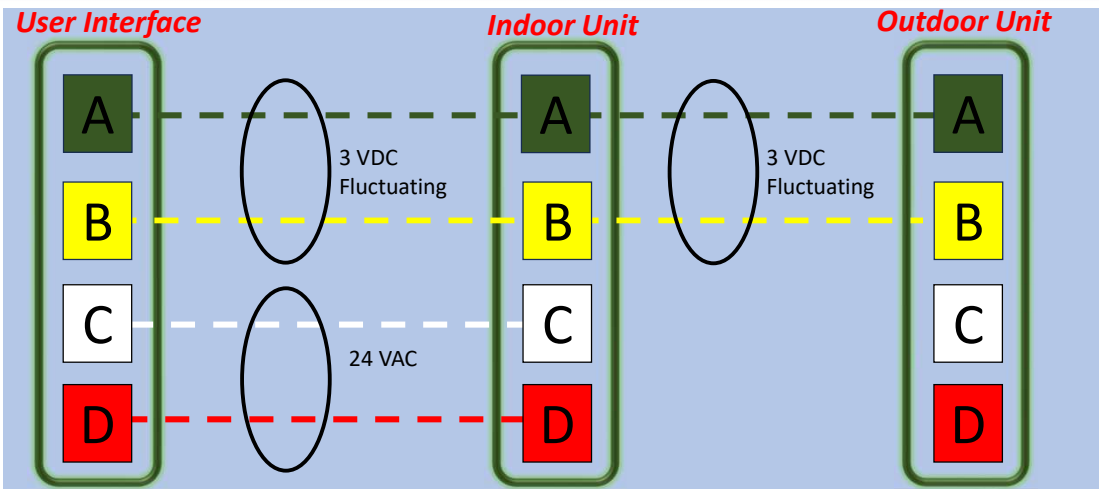
*Circumstances may need a third wire to the outdoor unit.*

Turn to the experts

68

# Communication Troubleshooting

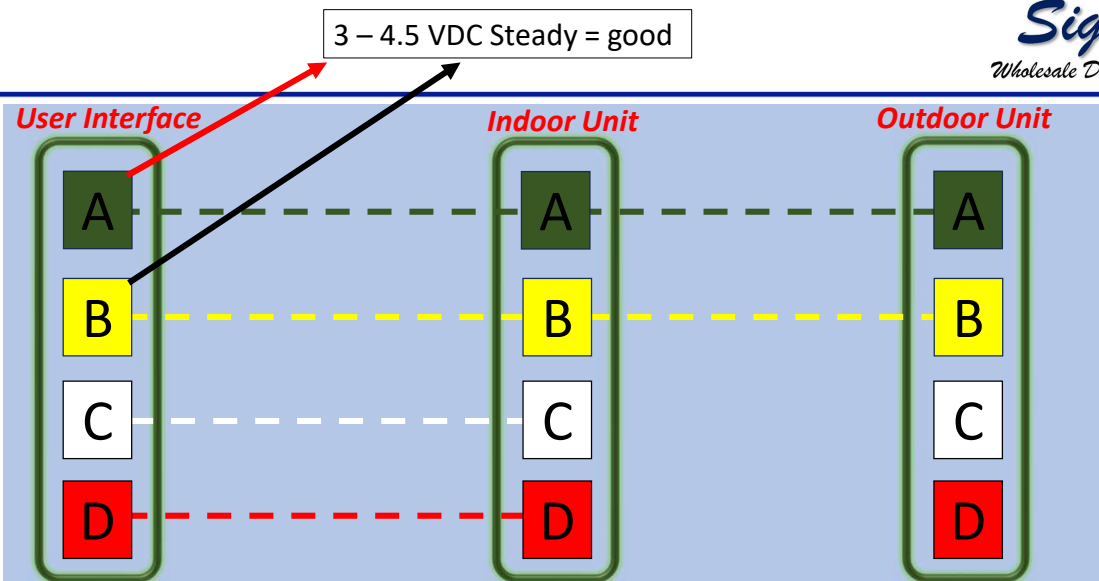
Sigler  
Wholesale Distributors



Using a Voltmeter



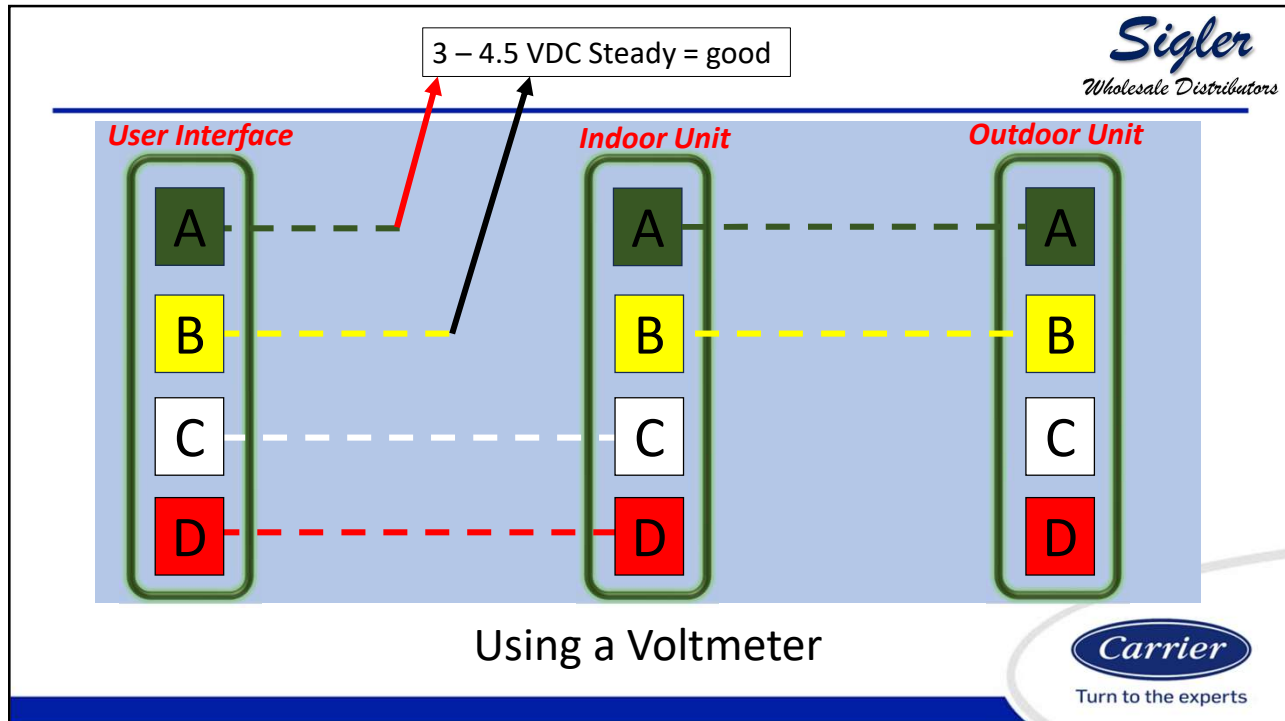
69



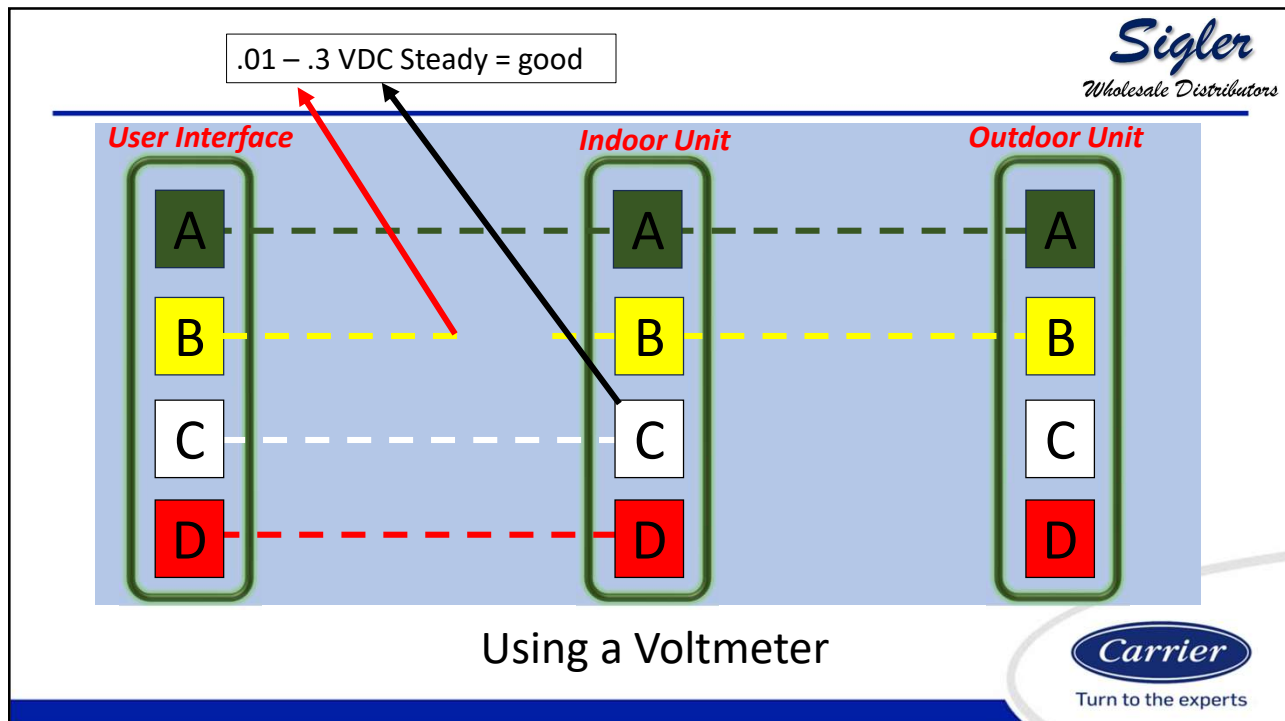
Using a Voltmeter



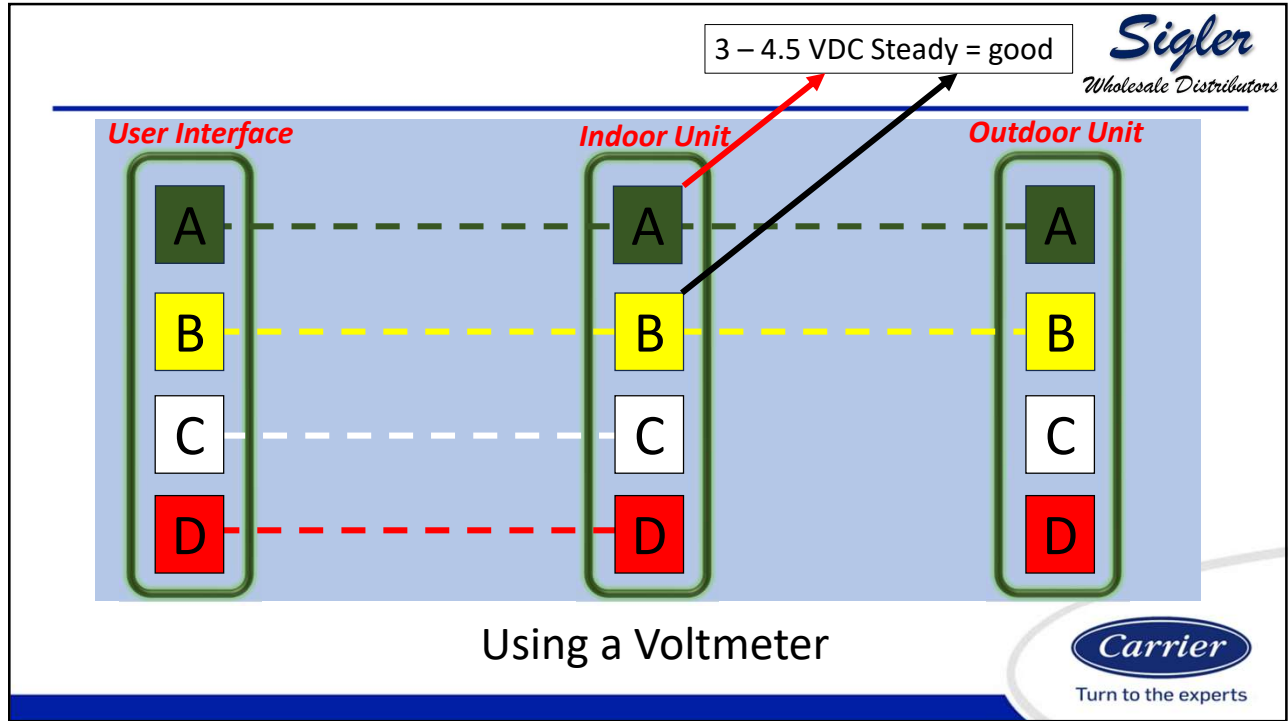
70



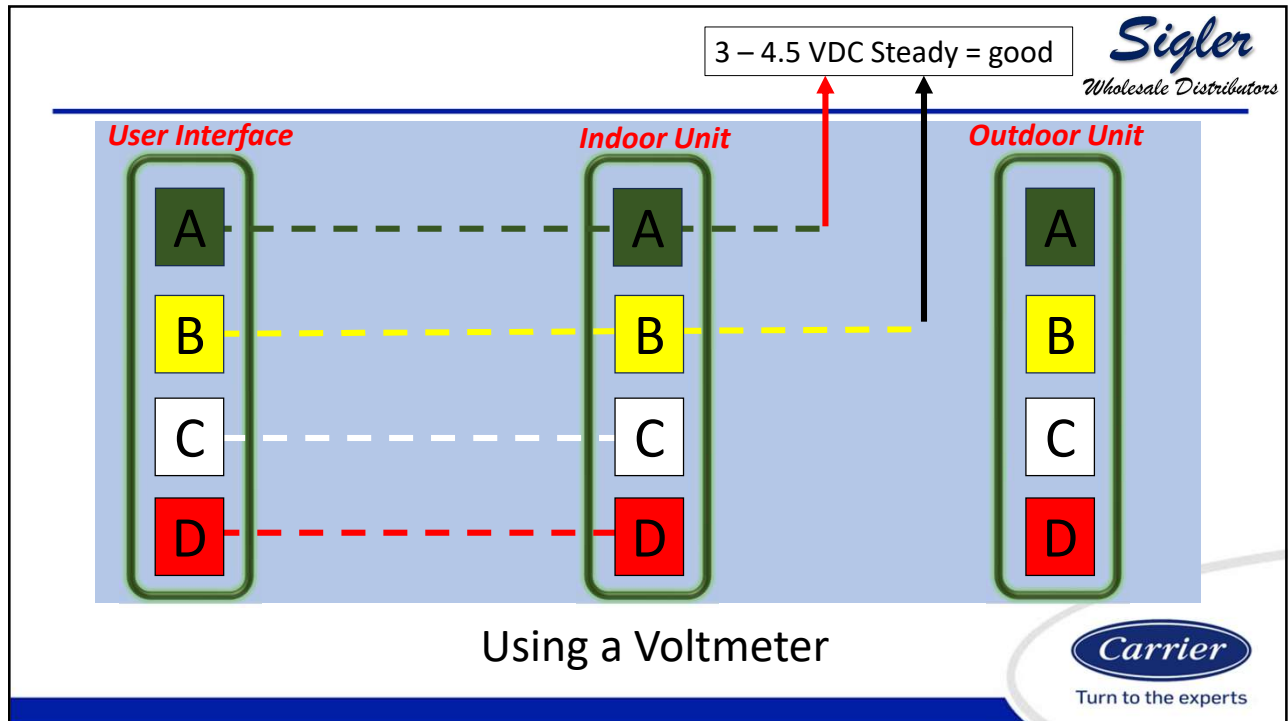
71



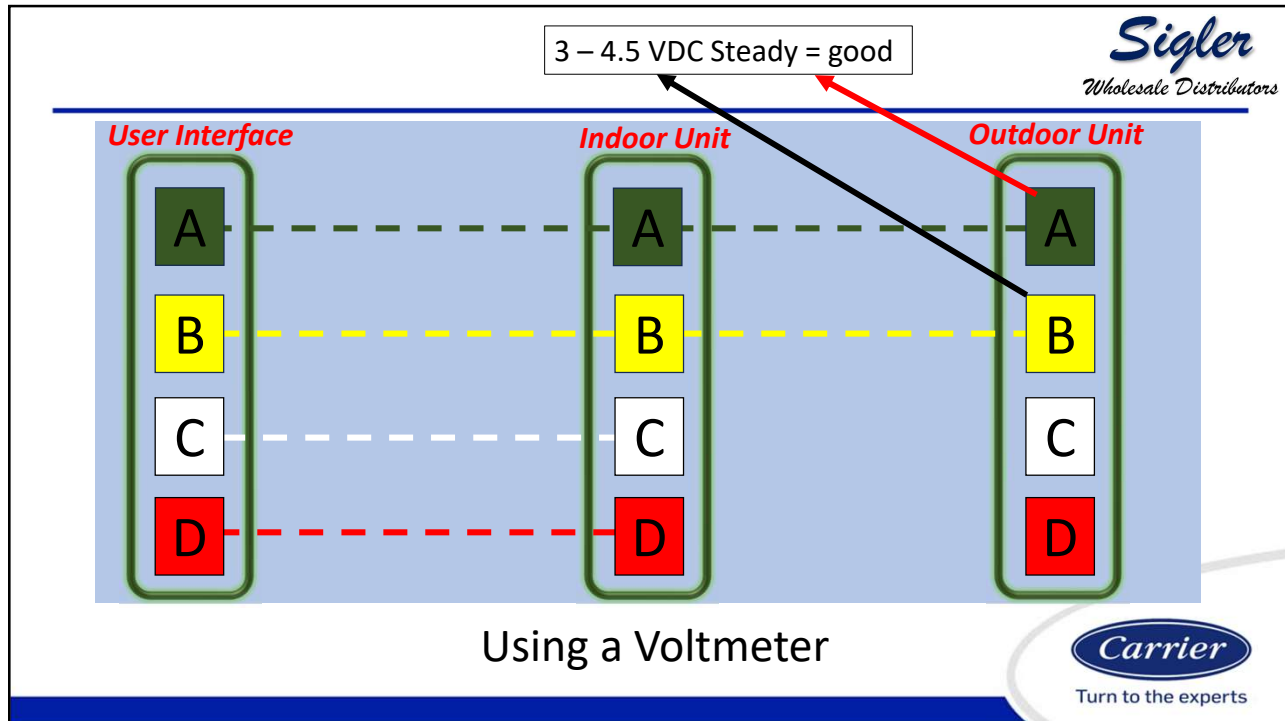
72



73



74



75

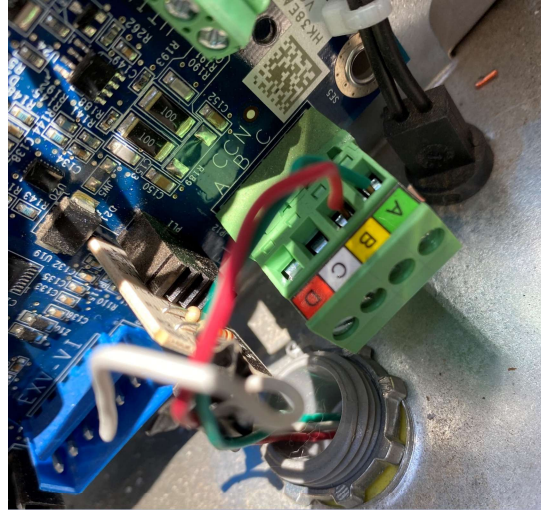
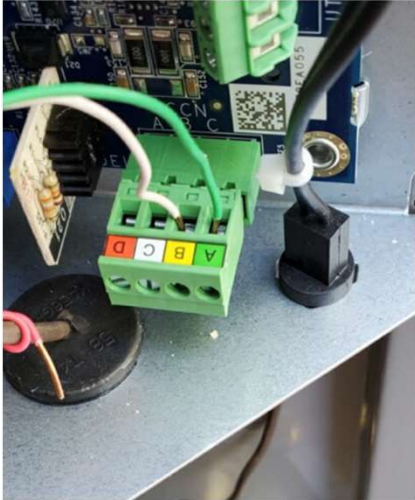
Turn off power. Isolate the ABCD wires from the board being tested. Use an Ohmmeter to check the condition of the comm driver. Resistance readings should be in the range shown.

	A to B	A to C	B to C
Outdoor	31K	18.6K	14.3K
Furnace	29.6k	15.8k	13.8k
Touch	71-74.7k	42-47.5k	41k
Smart	71.5k	43.3k	41k
UI (button)	71.1k	42.9k	41k
Zone Brd	72.5	43-44k	41k
FE4	18.3		
Older Furnace	17.5	9.1	8.5

Make sure you meter can read resistances in this range before condemning a device.

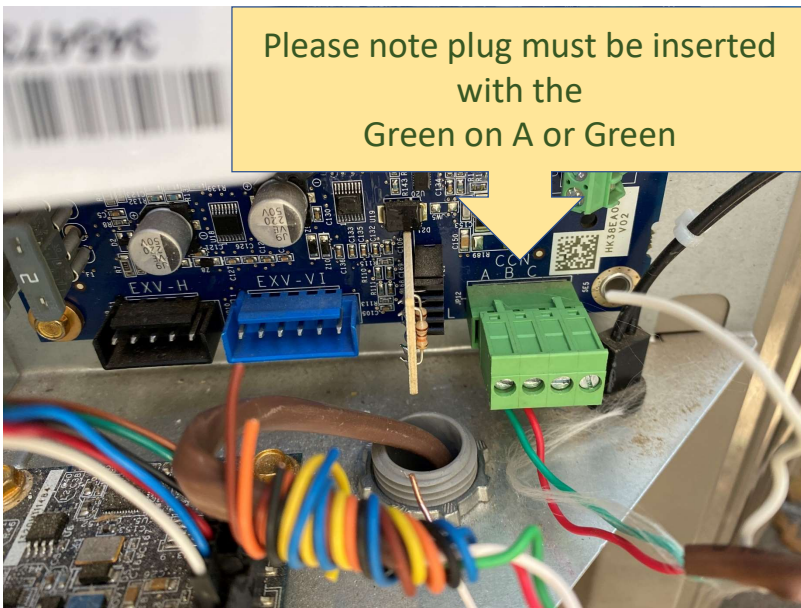
76

**What is wrong in these photos? Do you see it?**

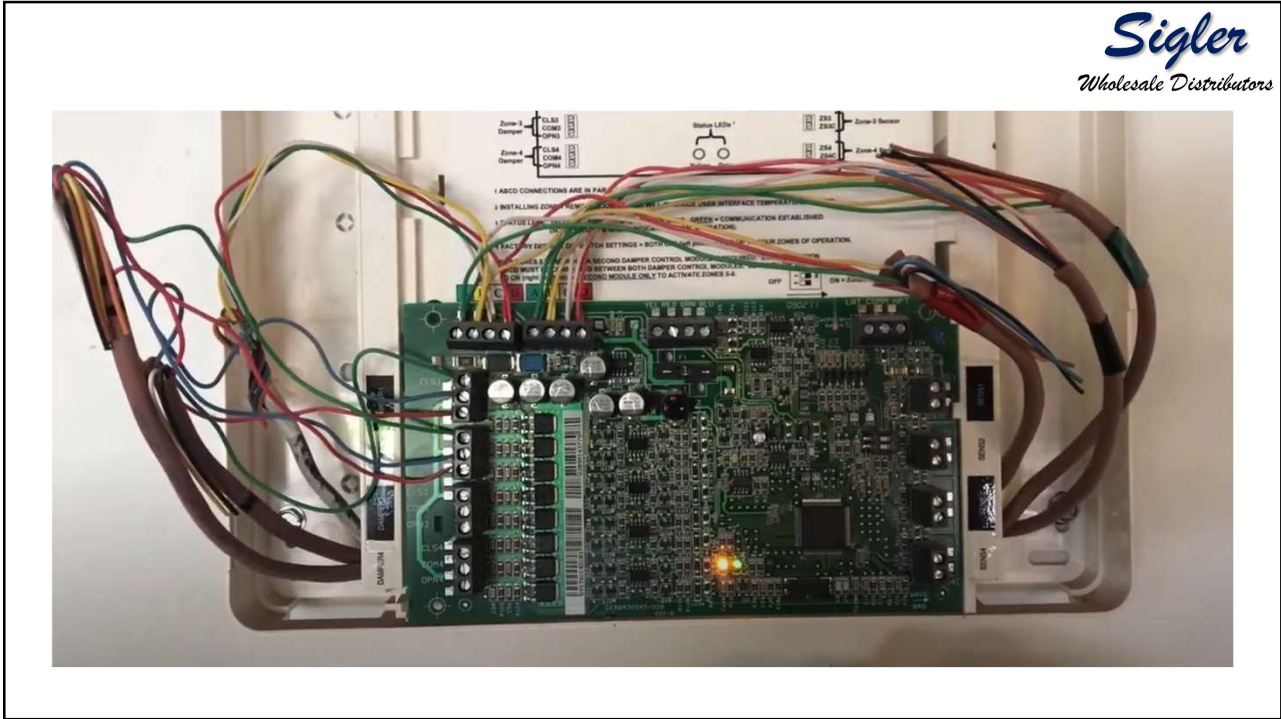


77

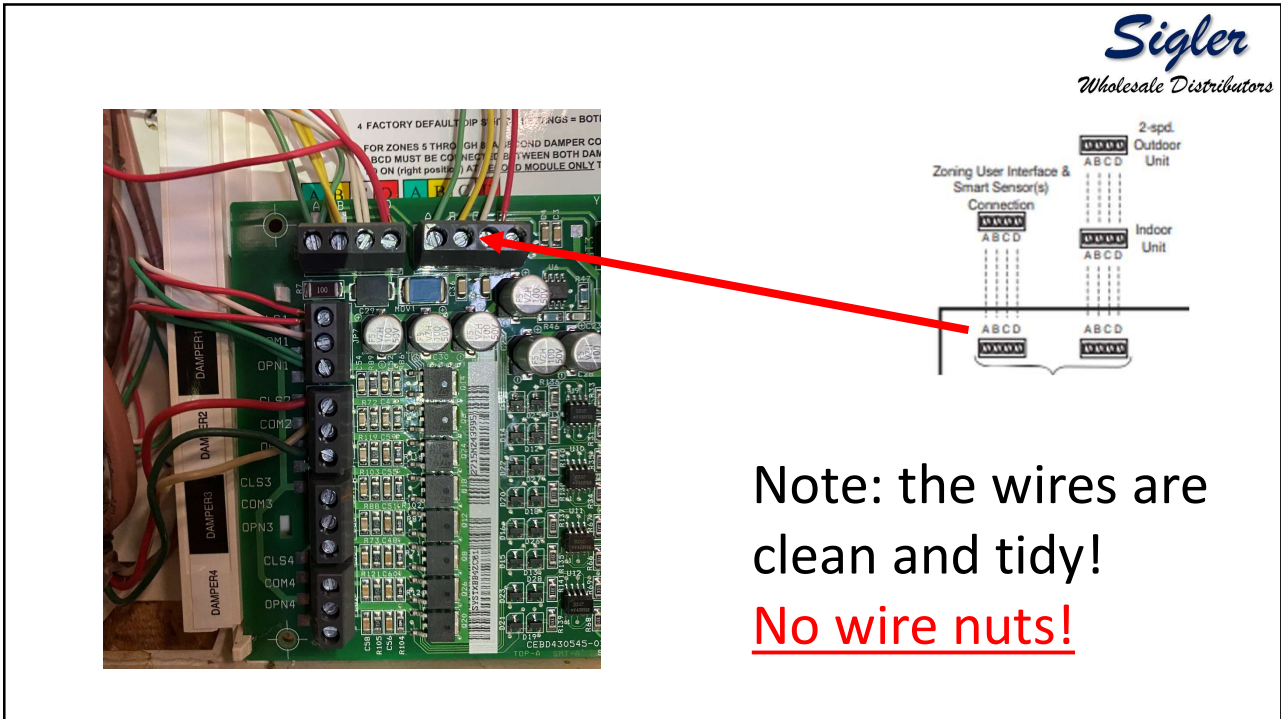
Please note plug must be inserted with the Green on A or Green



78



79



80



**Led Indicators**

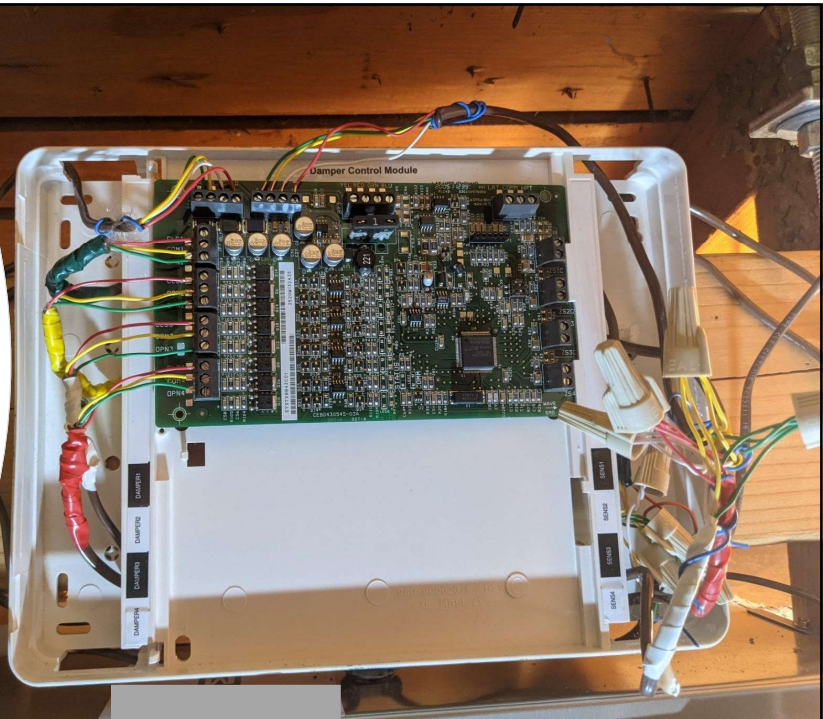
Under normal operation, the Yellow and Green LEDs will be on continuously (solid). If the Evolution® Damper Control does not receive communications with the Evolution® Connex™ Wall Control, the Green LED will **not** be on. If there are faults present, the Yellow LED indicator will blink a two-digit status code. The first digit will blink at a fast rate, and the second at a slow rate.



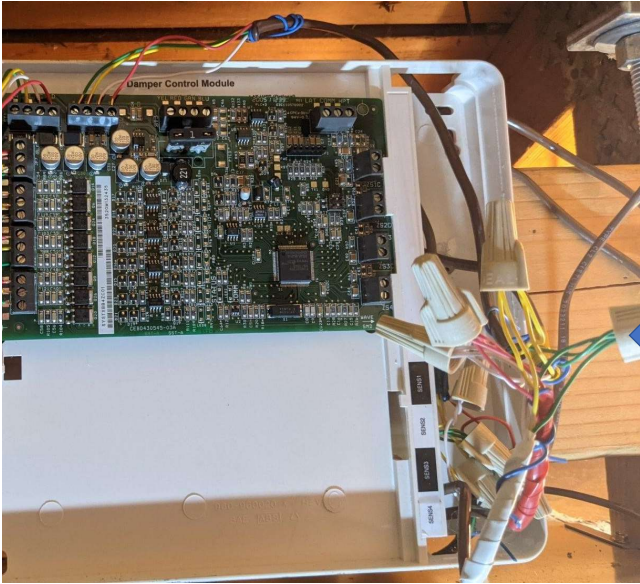
Status Code	Description
16 =	Communication Failure
24 =	Damper Fuse Failed
45 =	Board Failure
46 =	Low Input Voltage

81

**This Job Looks**  
**Great!**  
But Do  
You  
See  
The  
Problem?



82

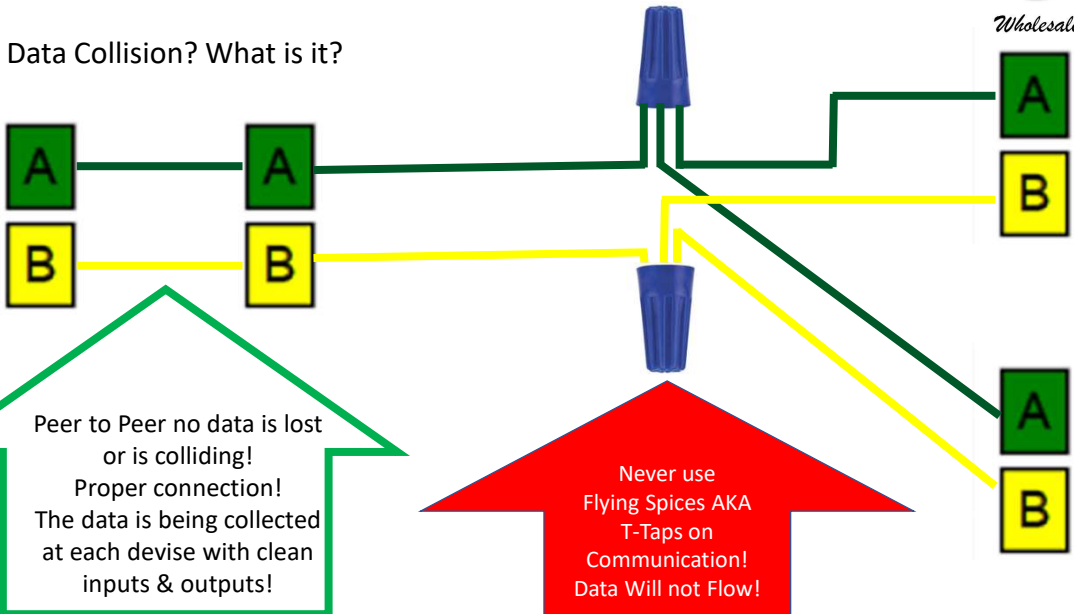


*Sigler*  
Wholesale Distributors

Communication  
I  
Connections  
Are  
Not  
Expectable  
Communication  
Connections

83

Data Collision? What is it?



Peer to Peer no data is lost or is colliding!  
Proper connection!  
The data is being collected at each device with clean inputs & outputs!

Never use Flying Splices AKA T-Taps on Communication!  
Data Will not Flow!

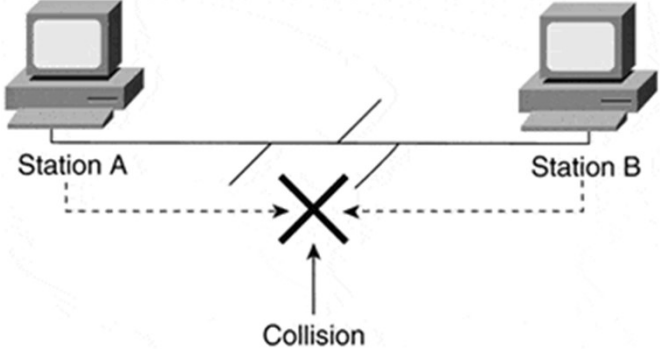
*Sigler*  
Wholesale Distributors

84

**Sigler**  
Wholesale Distributors

## Let's talk about data collision

- Data travels around the network in order to arrive at its destination. Data may be sent simultaneously from different computers or devices. When this happens, the data may collide and become corrupted. The data must then be destroyed and retransmitted.
- If there is a lot of data collision, the network can appear to slow down as the data has to be retransmitted or never get to its destination.



Station A

Station B

Collision

85

85

**Sigler**  
Wholesale Distributors

## Let's start Basic!



A

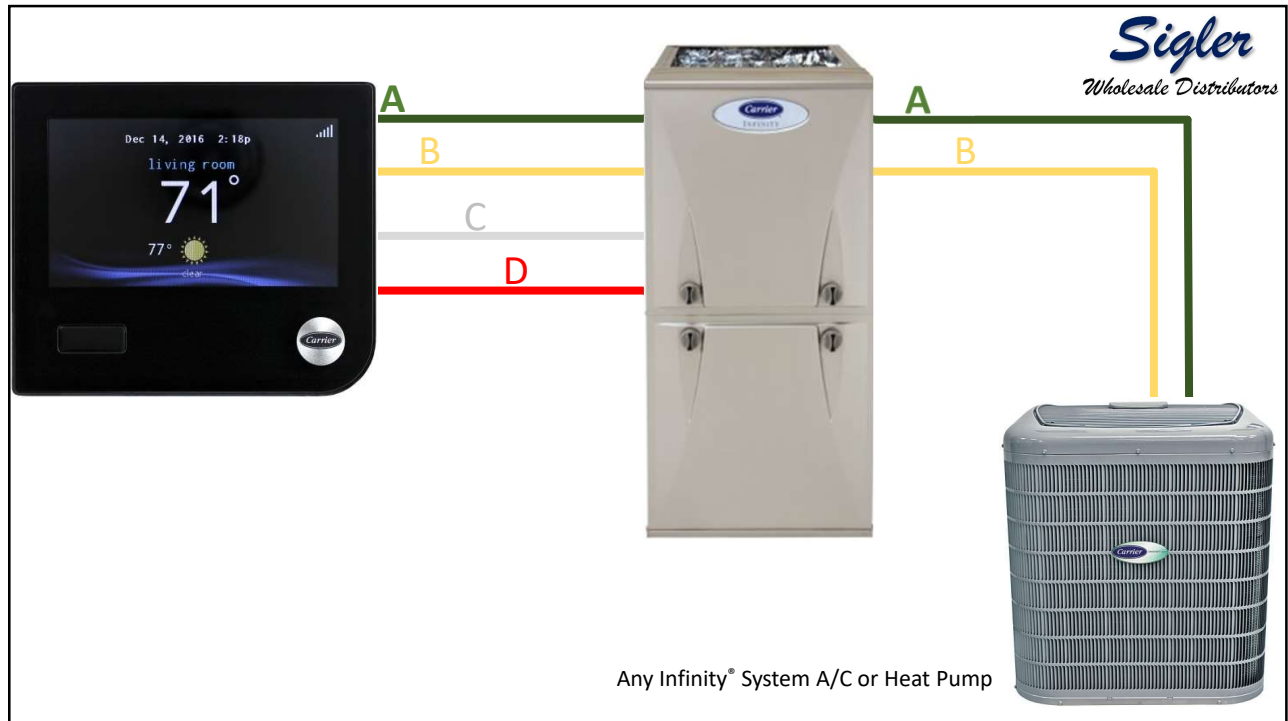
B

C

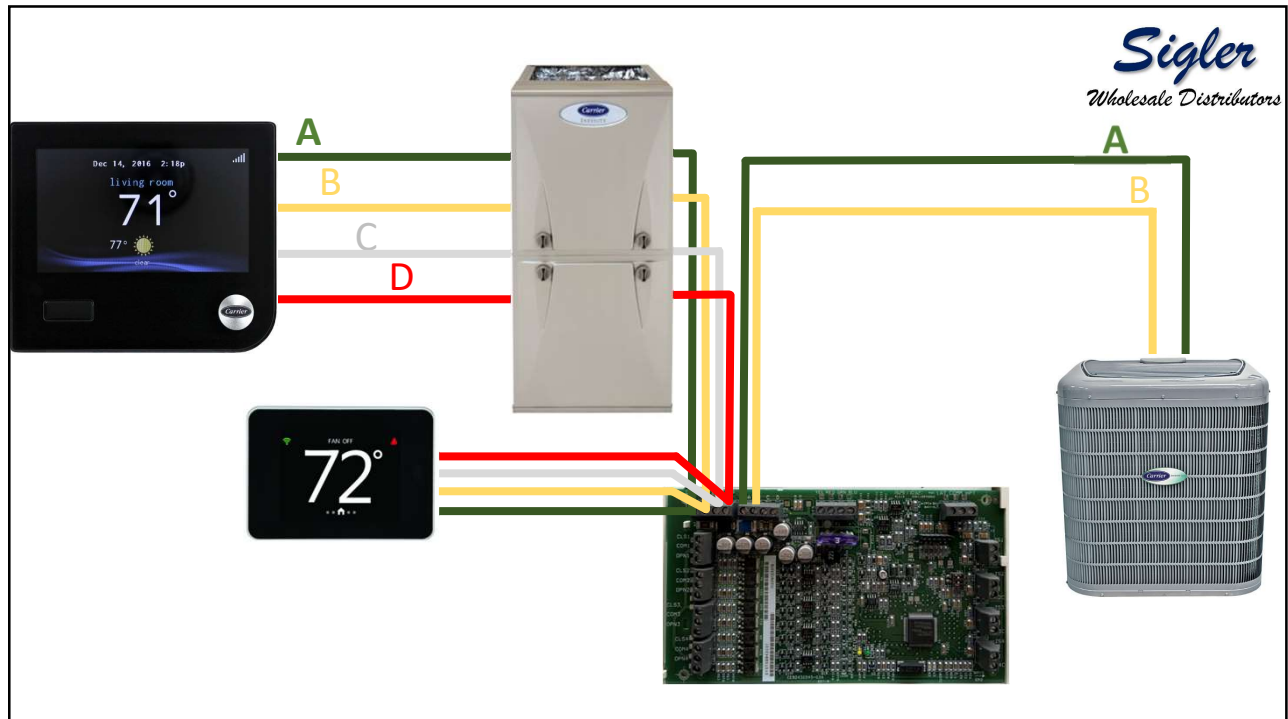
D

86

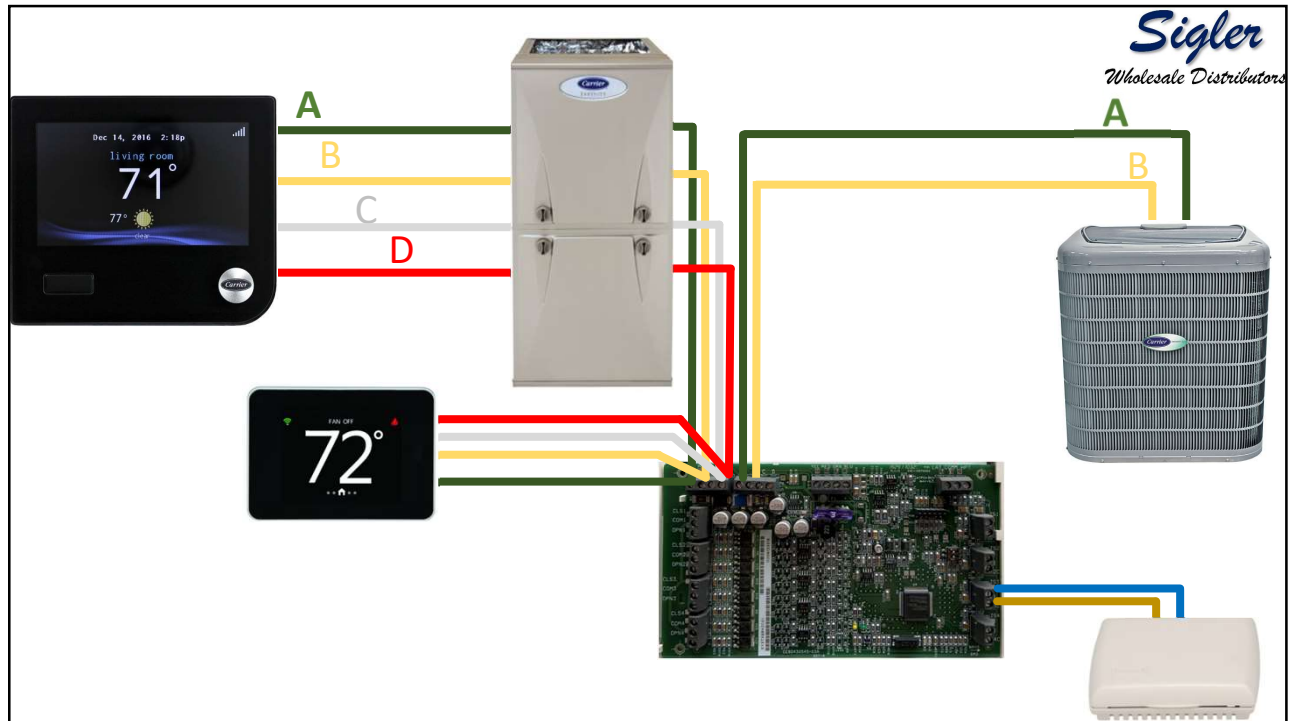
86



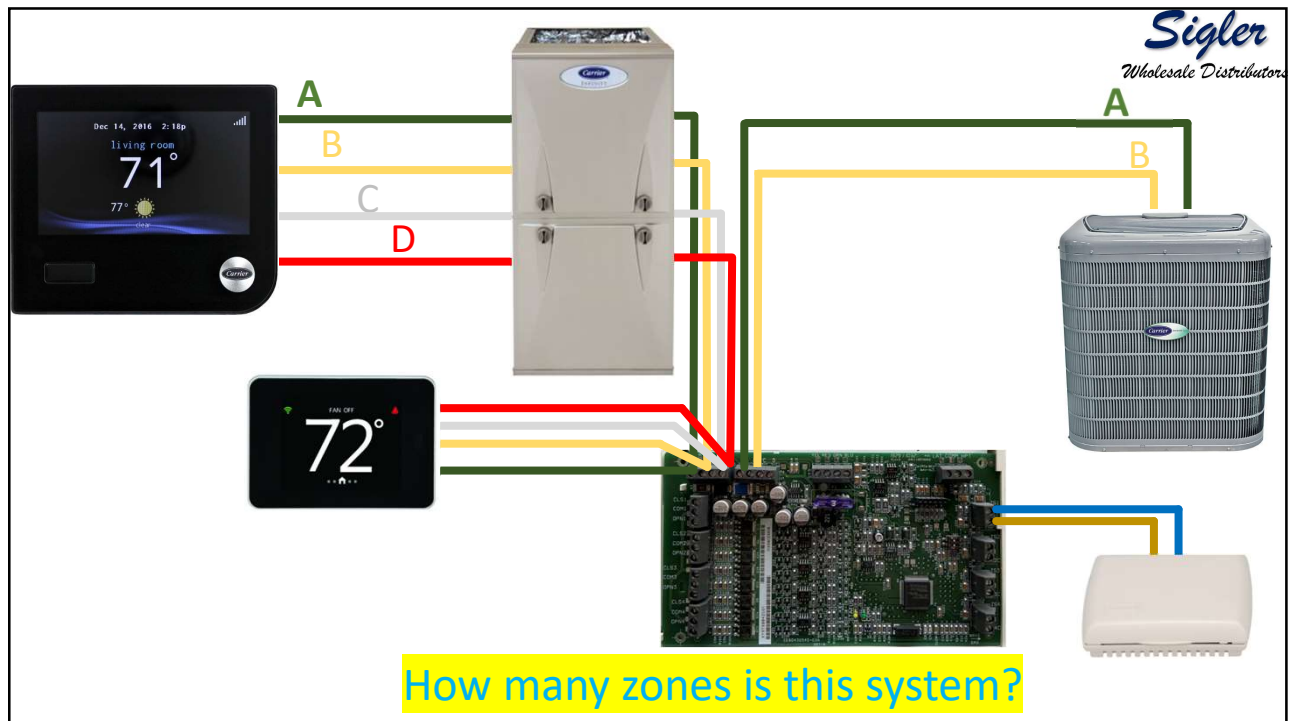
87



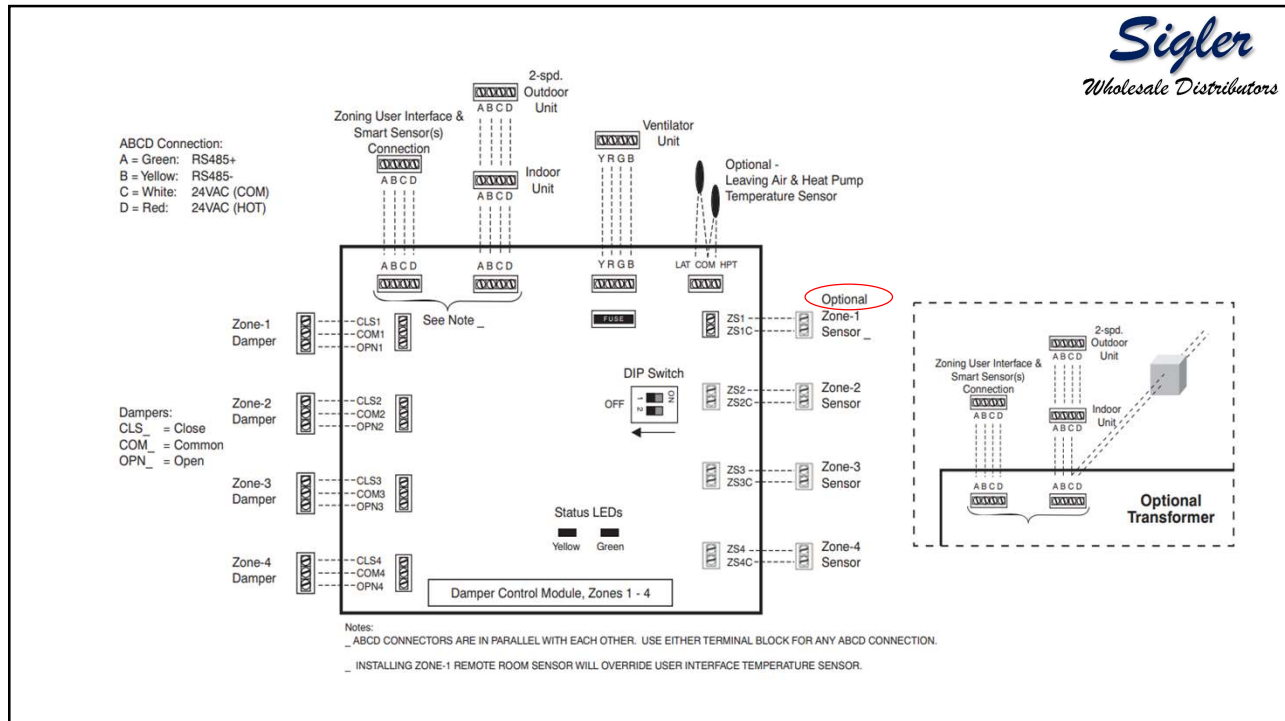
88



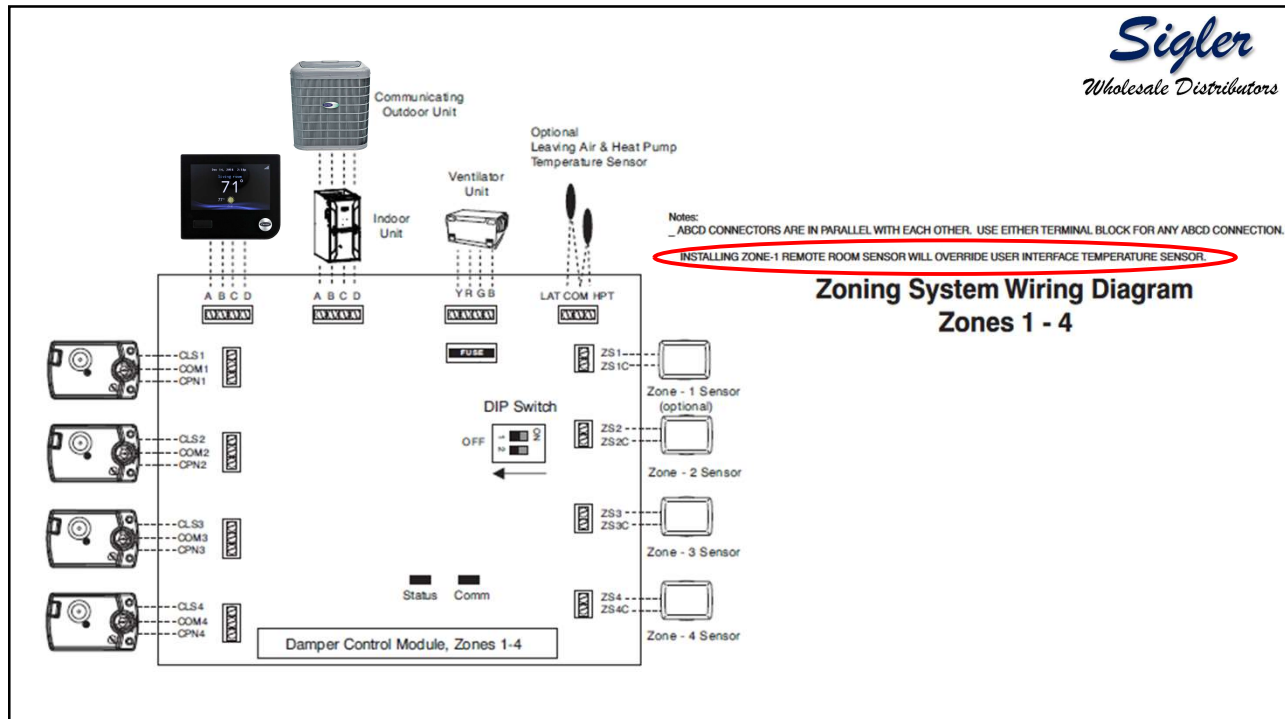
89



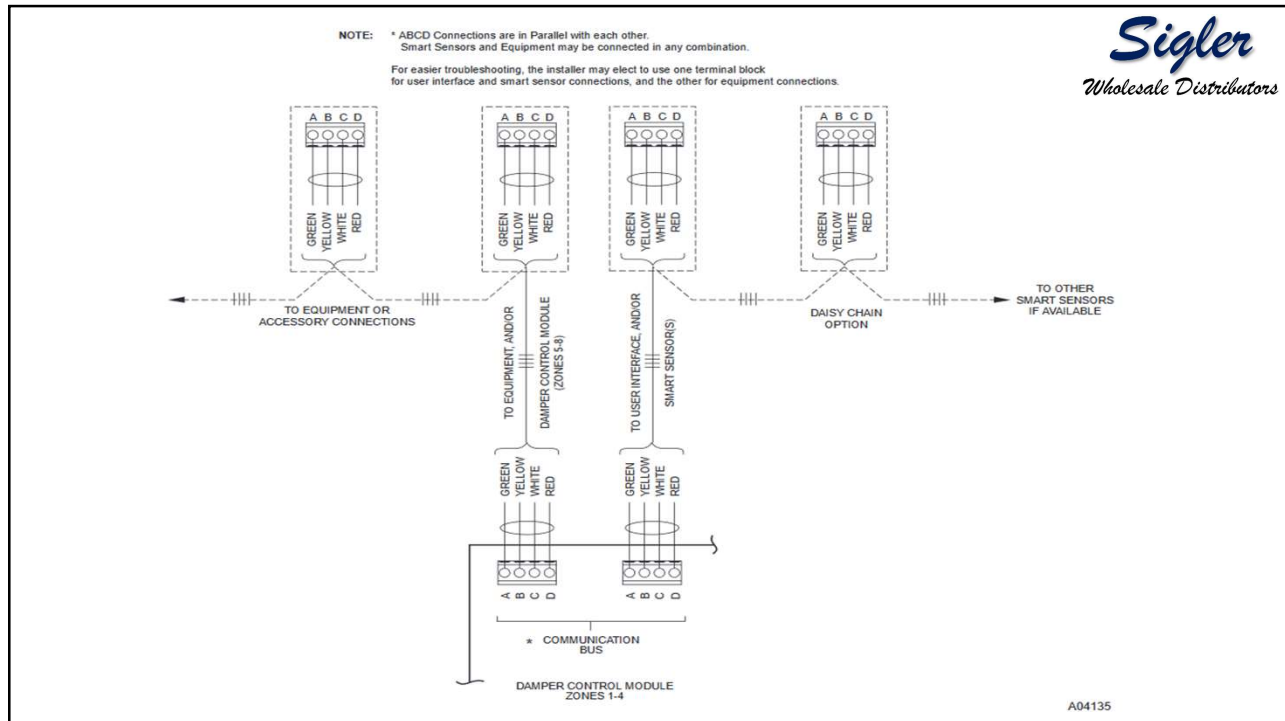
90



91



92



93

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Wholesale Distributors

**You Can Wire Up The Connex Controller With A 24 Volt Transformer In You're Shop And When It Powers Up It Will Say Demo Mode.**

The photograph shows a grey metal Connex controller unit with its terminal block open. A 24V transformer is connected to the terminal block using red and blue wires. The transformer has a label with technical specifications. The controller unit has a yellow indicator light and the text 'UP ↑' on its face.

94

Verify that the Connex controller has powered up and perform system full install.

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95

### The Infinity® System Control- SELF Configuring Installation



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96




# Commissioning

- Control will identify all communicating components in the system




The slide features a dark blue background with a pattern of overlapping, concentric, wavy lines in a lighter shade of blue. The text is centered and presented in a clean, sans-serif font.

97

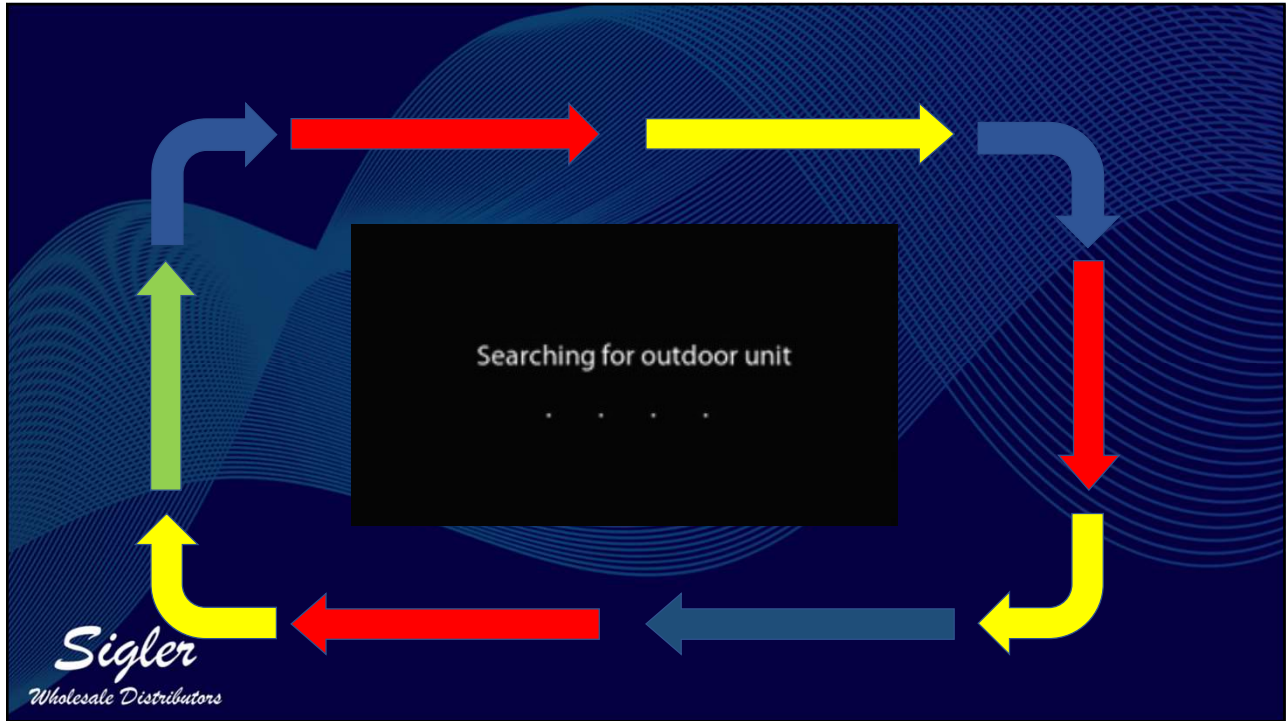


Searching for indoor unit  
• • •



The diagram shows a central black rectangular box with the text "Searching for indoor unit" and three dots below it. This box is surrounded by a thick, yellow, double-lined border that forms a square with rounded corners. The border consists of four segments, each with an arrowhead pointing outwards from the center, indicating a clockwise search cycle. The background is the same dark blue with wavy line pattern as the previous slide.

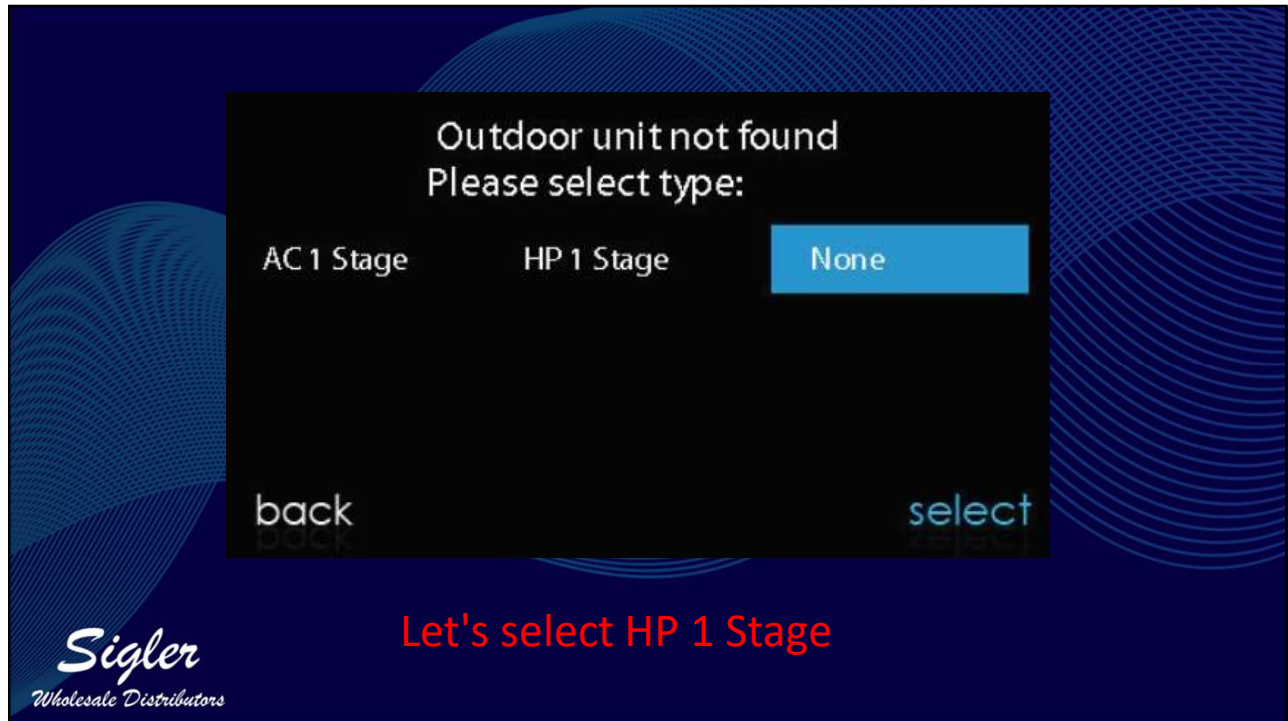
98



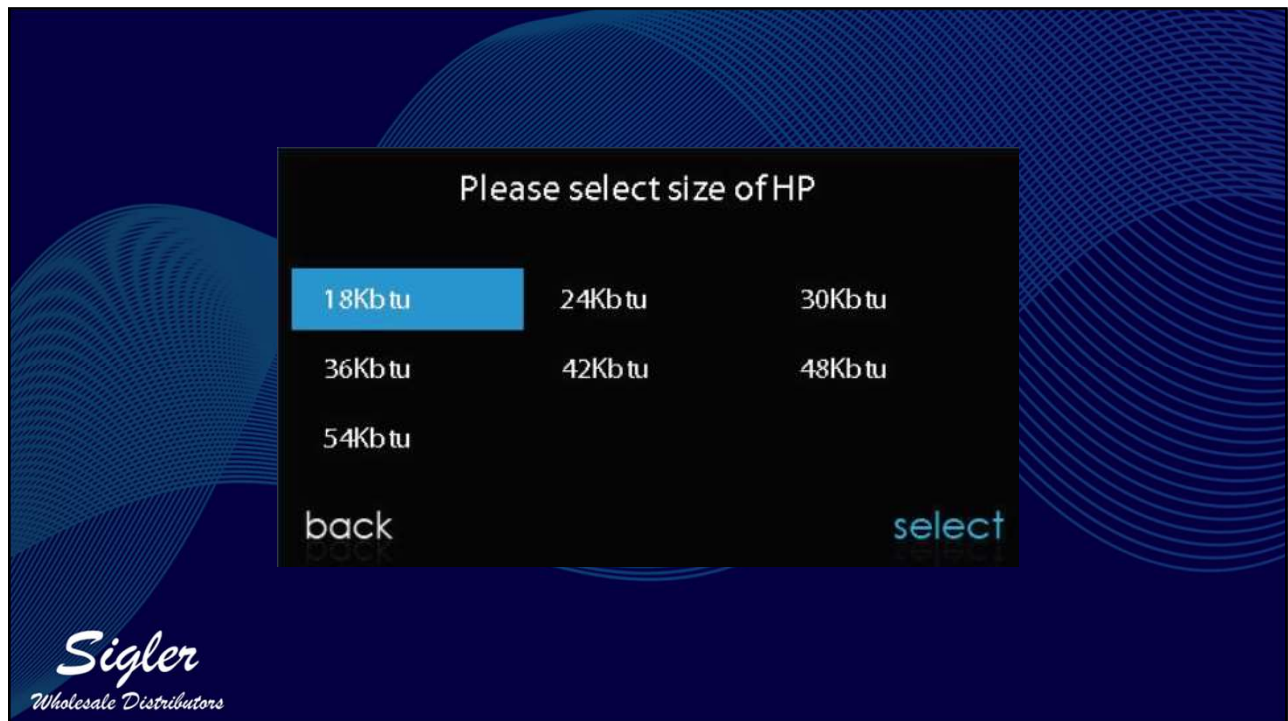
99



100



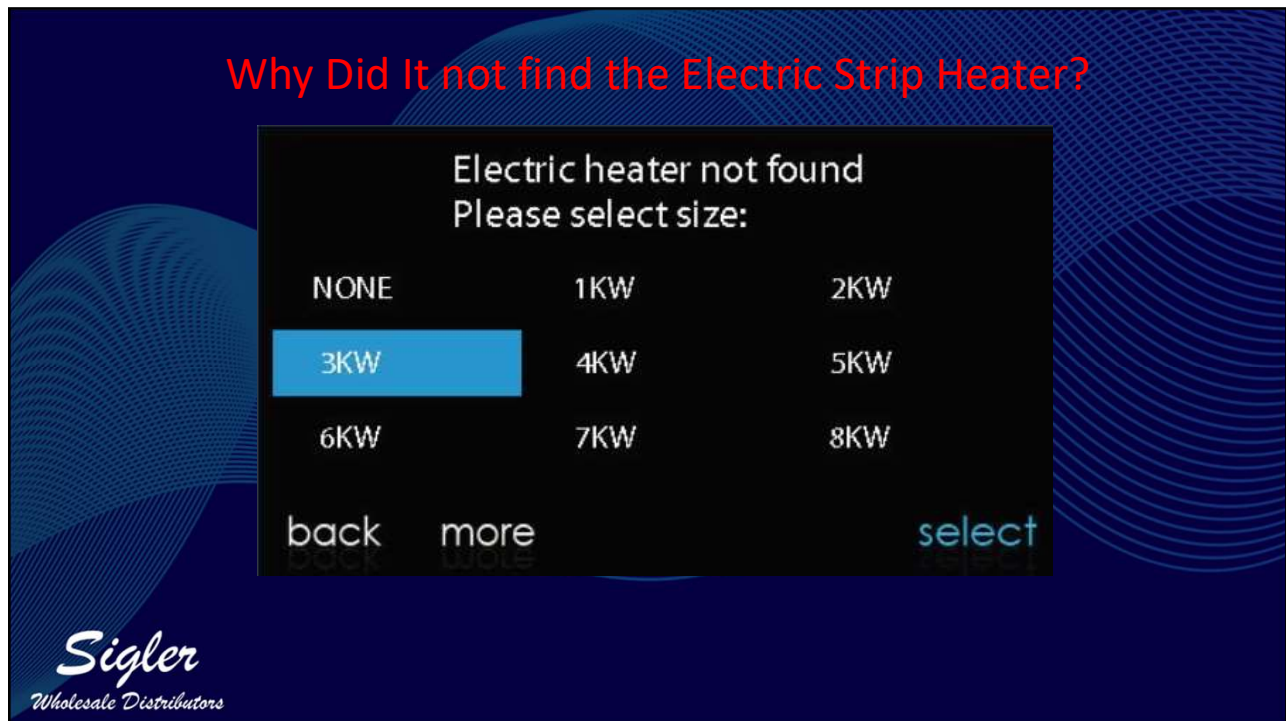
101



102



103



104

## Hydronic Heat Application

### Hydronic Heat Application

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- The Infinity Connex Control supports two types of Hydronic Heat applications.
- Hot water coil in combination with an FE fan coil and heat pump, or hot water coil as sole heat source with an FE fan coil.
- Non--zoned FE fan coil combined with radiant hot water heat.
- Hydronic Heat Kit
- (Interface Relay Kit) #KFAIF0101HWC

105

## Hydronic Heat Application

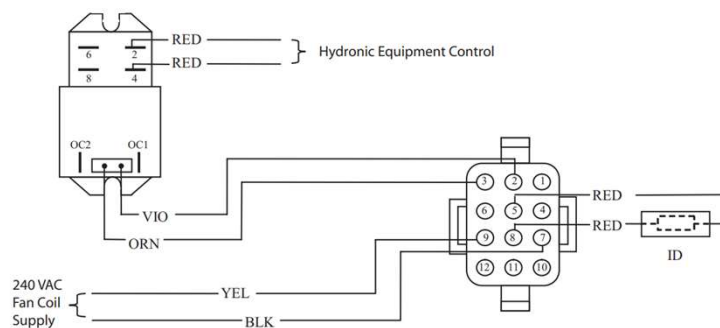
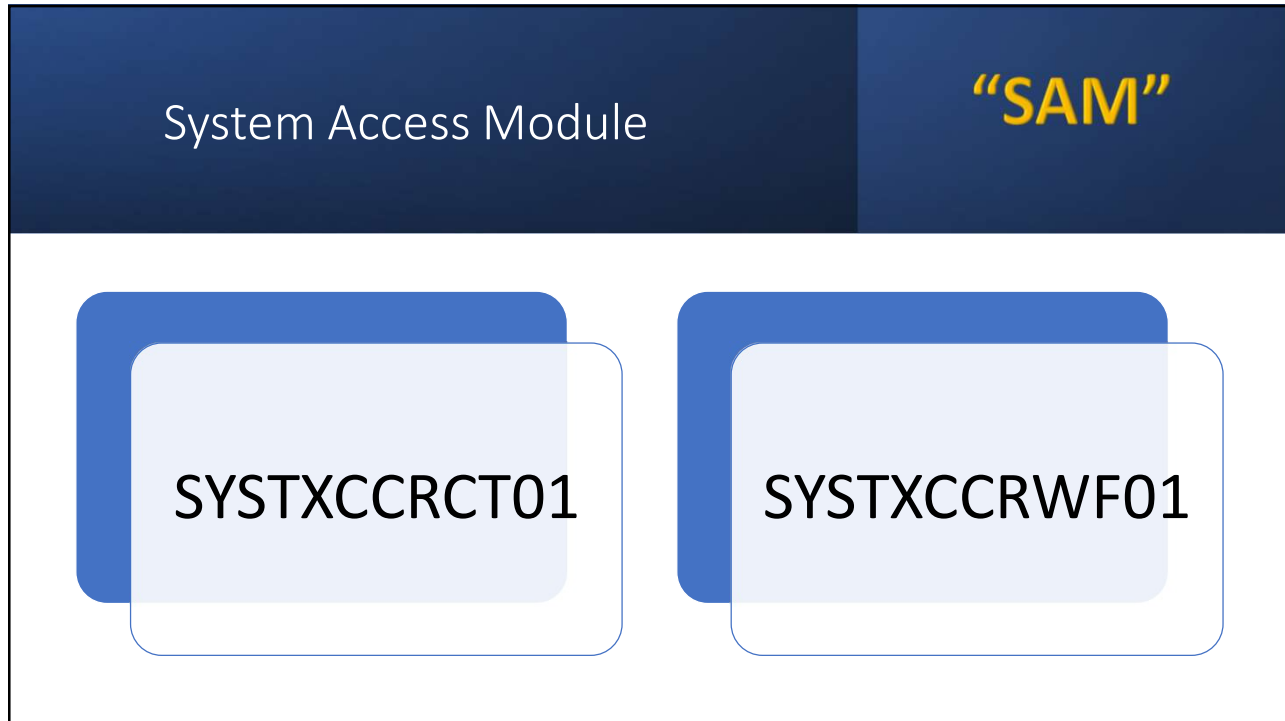


Fig. 2 - Interface Relay Kit Wiring Schematic

106





107

## System Will Look For SAM module

---

Searching for SAM module

.



108

## System Will Look For Zone Boards



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Wholesale Distributors

*Carrier*  
Turn to the experts

109

## Zoning Results

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A screenshot of a system interface with a black background. The word "Zoning" is centered at the top. Below it is a list of zones and their corresponding sensor types. At the bottom left is the word "retry" and at the bottom right is the word "next".

Zoning	
Zone 1	User Interface
Zone 2	Smart Sensor
Zone 3	Smart Sensor
Zone 4	Remote Sensor
Zone 5	Remote Sensor
Zone 6	Remote+ Smart Sensor
Zone 7	Smart Sensor
Zone 8	Remote Sensor

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110

## Filter Type

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Wholesale Distributors

- Air Filter: 1--in. to 4--in. media filter
- EAC: high voltage electronic air cleaner
- Air Purifier: Evolution Series or Preferred Series Air Purifier

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Turn to the experts

111

## Humidifier Installed? Yes/No

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*Carrier*  
Turn to the experts


112



# Ultraviolet Lights Installed?








Turn to the experts

113

## Equipment Summary



equipment summary


GAS PAC	48XL-A3609030
gas heat	2 stg 72KBTU/H out
AC	2 stg 36KBTU/H
zones	123_56__
filter	EAC
humidifier	no UV lights
no ventilator	SAM

re-install
done

equipment summary

fan coil	FE4ANB003T00ABAA
electric heat	3 stage 15 KW
HP 2 stg 24KBTU/H	25HNB924A0032000
zones	123_56__
filter	EAC
humidifier	no UV lights
no ventilator	SAM

re-install
done



Turn to the experts

114

As soon as you hit done you will be stepped to start the Airflow Verification Check


Your Can Not skip This Step

115

## Airflow Verification Test

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As soon as you select next the Airflow Verification test starts.



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116

# Airflow Verification Test

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airflow verification test


full system CFM:	906
static pressure:	0.32
blower RPM:	787

---

calculated minimum CFM: 300

retrynext

**Select  
Next**



Turn to the experts

117


# Duct Assessment

**Sigler**  
Wholesale Distributors

Duct Assessment

Assessment active, please wait

cancel




Turn to the experts


118

# Duct Assessment

*Sigler*  
Wholesale Distributors



Turn to the experts




Duct Assessment  
Assessment active, please wait  
Opening all zones  
cancel


119

# Duct Assessment

*Sigler*  
Wholesale Distributors



Turn to the experts



Duct Assessment  
Measures duct capacity for each zone  
5 minutes are required to complete  
cancel next

120

# Duct Assessment


*Sigler*  
Wholesale Distributors


Duct Assessment

Measures duct capacity for each zone

10 minutes are required to complete

cancel next





Turn to the experts

121

# Duct Assessment


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Wholesale Distributors

Duct Assessment

Assessment active, please wait

Measuring zone 1

cancel




Duct Assessment

Assessment active, please wait

Measuring zone 2

cancel





Duct Assessment

Assessment active, please wait

Measuring zone 3

cancel



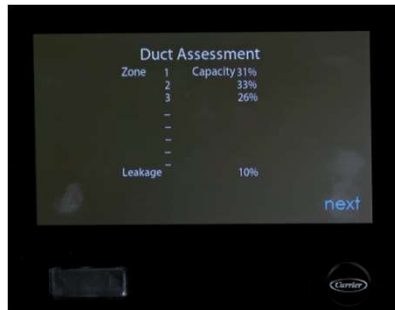
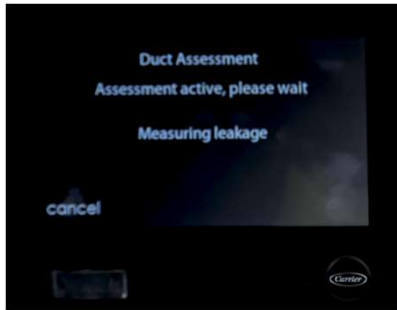


Turn to the experts

122

# Duct Assessment

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Wholesale Distributors



123

Screen in  
standby  
mode

---

*Sigler*  
Wholesale Distributors



124

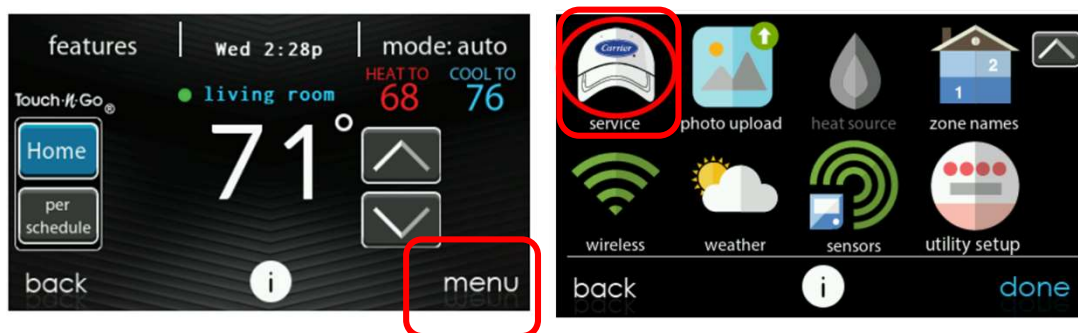
## Information Screen



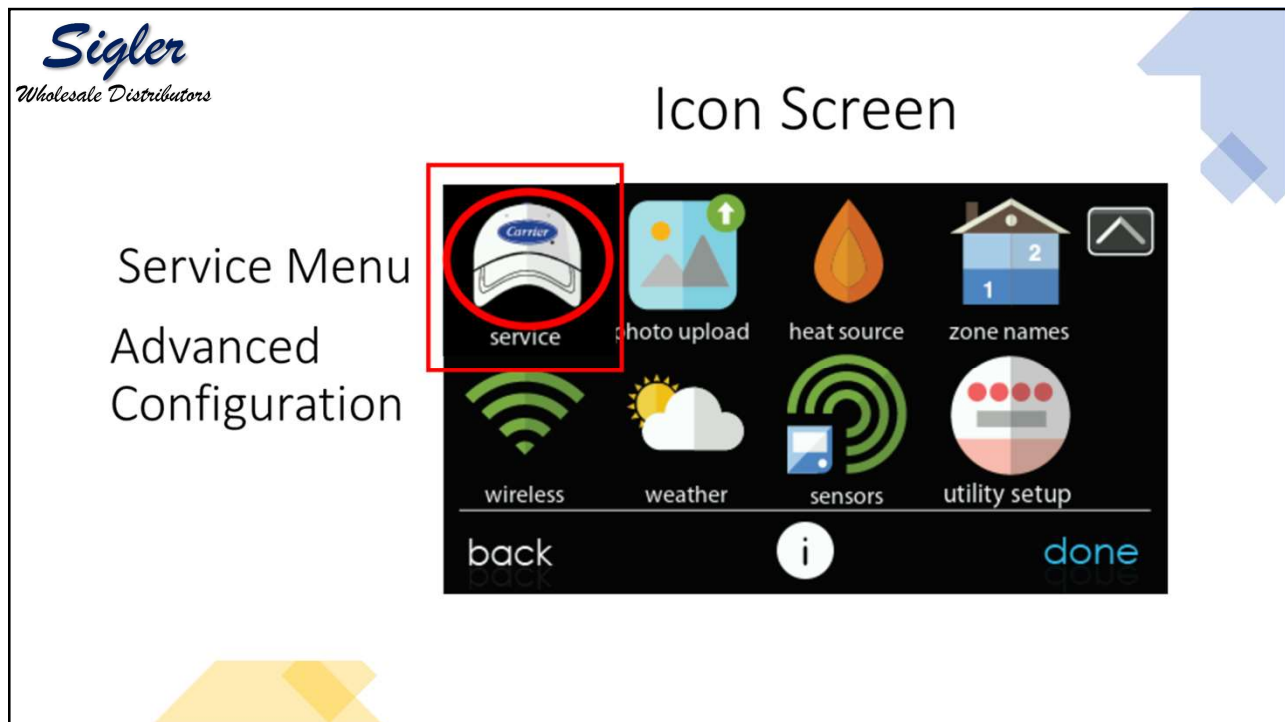
125

*Sigler*  
Wholesale Distributors

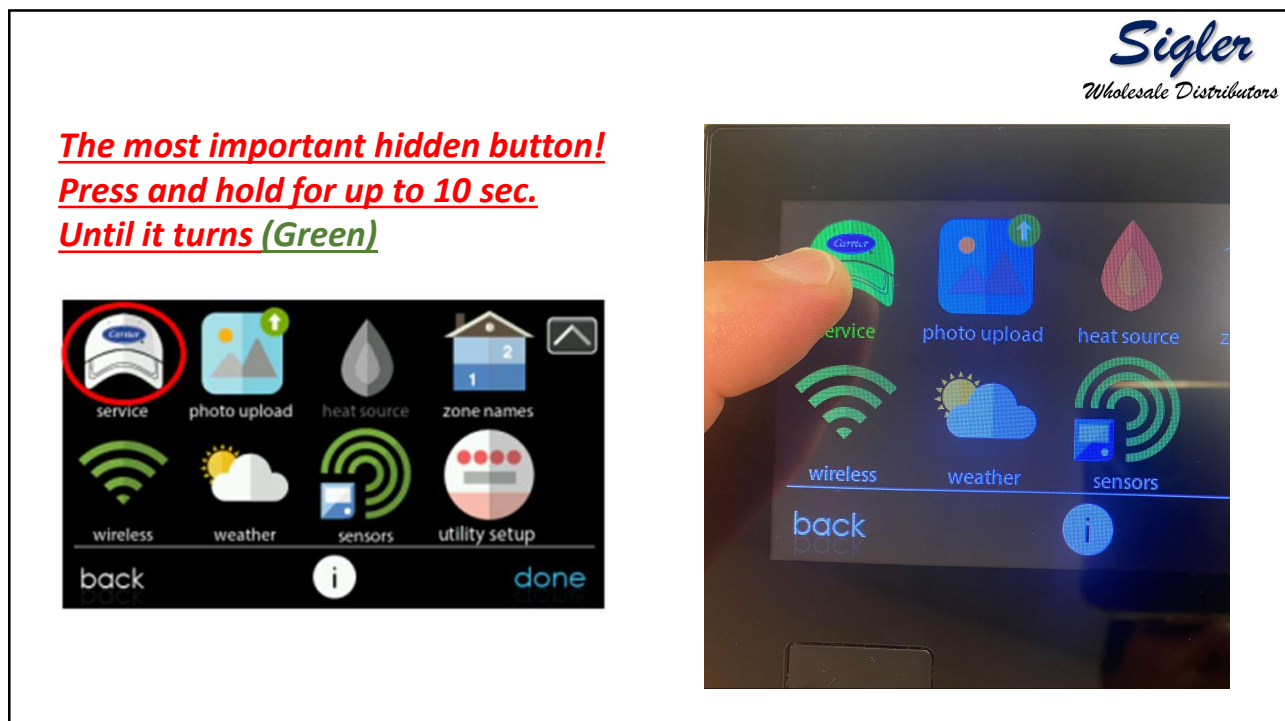
The two buttons that you will use the most  
and you should understand



126

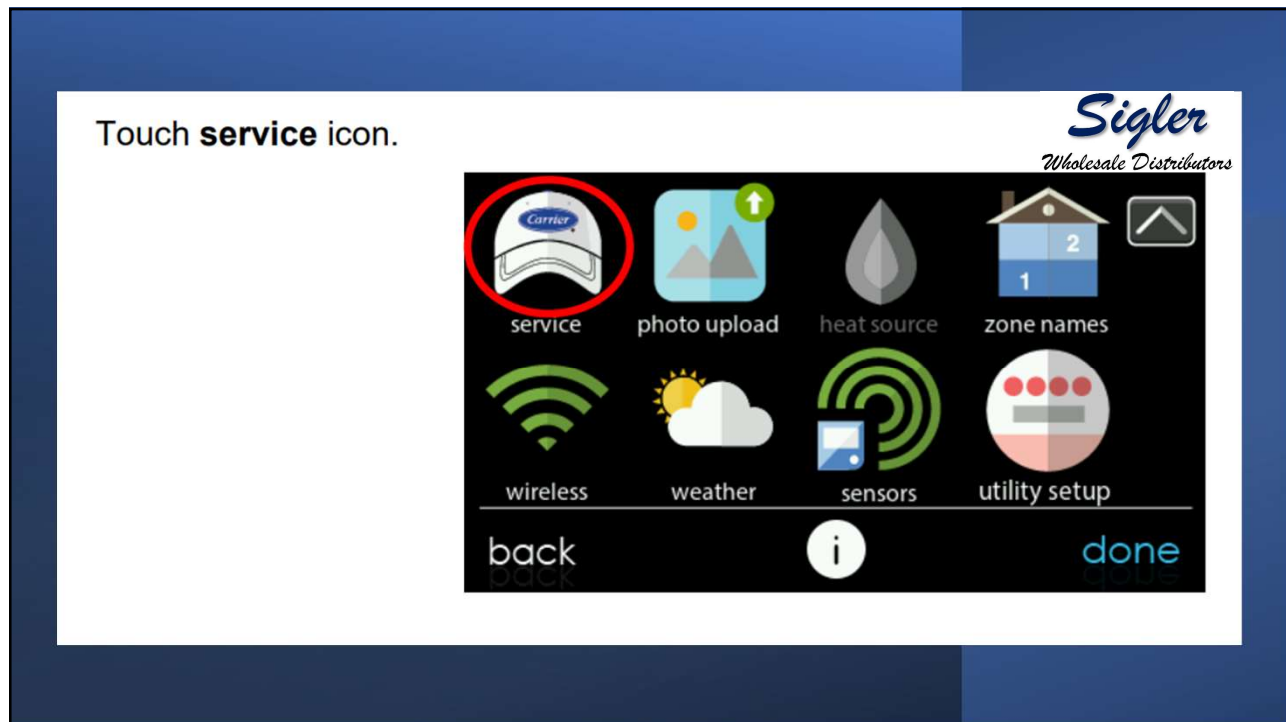


127

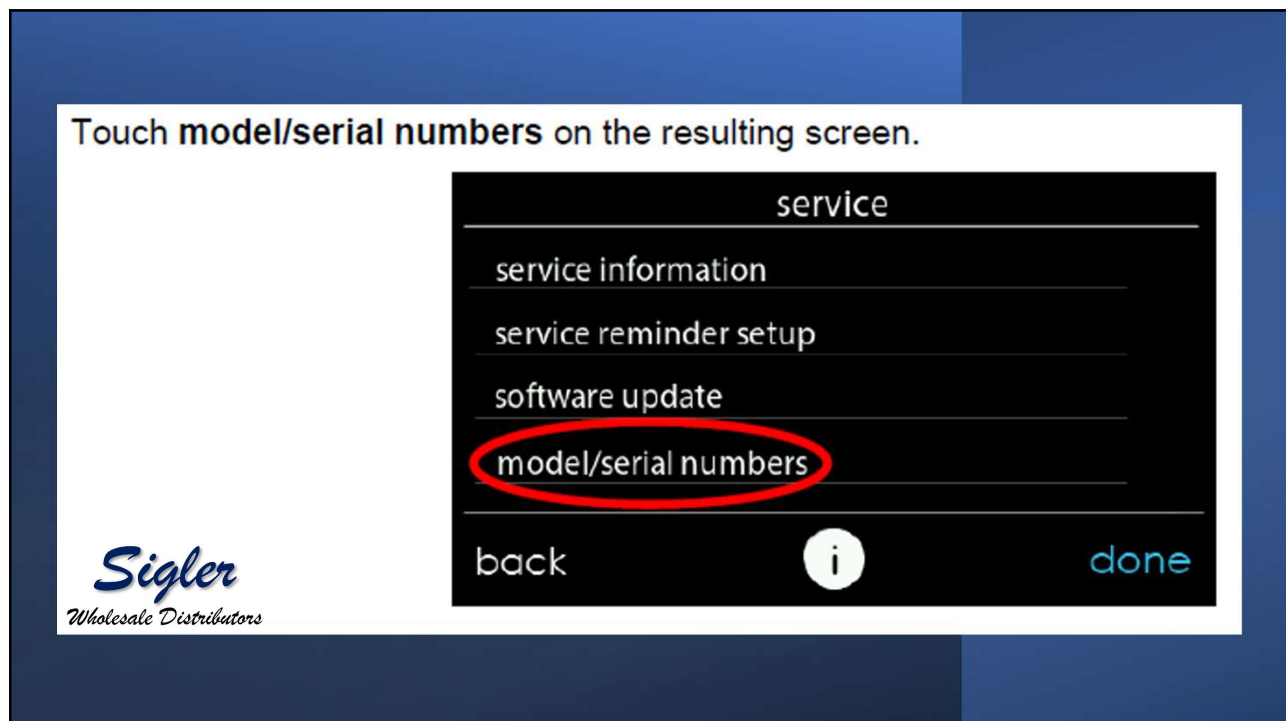


128






129



130


# •Set up or Check Out



Touch **wall control** on the resulting screen.


model/serial numbers  
please select equipment

wall control	furnace	air conditioner
zone board	no SAM	NIM

back

done

131

## Set up or Check Out




View the Software Version number.

Software Version 131626-02.00, for example, is the production software version 2.00, released in August 2018.

model/s

model:	SYSTXCCECC01-B
model:	SYSTXBBECC01-B
serial number:	2619N999997
software version:	131626-02.00

back

done

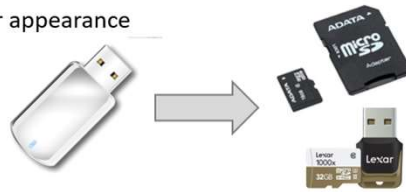
132

## New Features

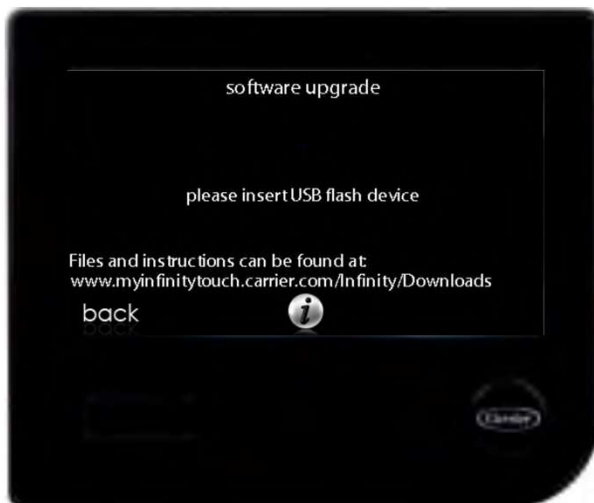
OTA software updates occur on first connection to server  
 ...and then wall control looks for updates once a day thereafter...  
 No longer requires consumer account registration (since mid-2016)  
 Normally, updates complete within 30-45 minutes after connection  
 Best bet for all applications

### MicroSD card replaces USB for manual software updates

No effect on OTA software updates  
 Lower power consumption for ENERGY STAR® certification  
 Smaller opening in wall control for better appearance  
 Same software update process  
 Use card formatted as FAT32  
 Typically in 32GB or smaller cards  
 USB and SD adapters usually provided  
 with microSD card



133




Located on the bottom  
 of the thermostat.

MicroSD Card Insert Slot  
 Is spring Loaded.

**Push Gently!**



134



Bulletin

Marketing

Software

Technical Literature

### Firmware Installer

**Series B Carrier® Infinity® System Control Version 2.40 Release Notes and Software Update Instructions**  
Firmware Installer 01/20/2020

**Series B Carrier® Infinity® System Control Version 3.00 Release Notes**  
Firmware Installer 04/21/2020

**Series B Carrier® Infinity® System Control Version 3.01 Release Notes**  
Firmware Installer 06/11/2020

**Series B Carrier® Infinity® System Control Version 3.40 Release Notes**  
Firmware Installer 06/18/2020

**Series B Carrier® Infinity® System Control Version 3.60 Release Notes**  
Firmware Installer 10/01/2020


**Series B Carrier® Infinity® System Control Version 3.61 Release Notes**  
Firmware Installer 10/22/2020

**Series B Carrier® Infinity® System Control Version 3.62 Release Notes**  
Firmware Installer 12/10/2020

**Series B Carrier® Infinity® System Control Version 3.94 Release Notes**  
Firmware Installer 07/12/2021

**Series B Carrier® Infinity® System Control Version 4.05 Release Notes**  
Firmware Installer 09/14/2021

135



```

software update
equipment type:   thermostat
current software version: 0.59
update software version: 9.00
update software?
yes no
                
```

Touch anywhere inside the software update reminder message to install the latest software or customize your reminder messages for software updates. (Note: The version numbers shown below are examples. Actual version numbers will vary.)

136

## Installing the Software Update

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Wholesale Distributors

- From the **MENU** screen, select the **service** icon.



137


- Select **software update**. If this option does not appear, your dealer will need to install your software. Contact your dealer for assistance.



138

**Sigler**  
Wholesale Distributors

- Select update software using MicroSD card.




The screenshot shows a black menu titled "software update". The first option, "update software using MicroSD card", is highlighted with a red rectangular border. Below it is the option "update software using Wi-Fi". At the bottom of the menu are three buttons: "back", an information icon (a white 'i' in a circle), and "done".

139

- Plug the MicroSD card into the bottom of the control.

*If this screen continues to appear, recheck the device and formatting. See the download section..*



The screenshot shows a black screen titled "software upgrade". The main instruction is "please insert MicroSD card". Below this, it says "Files and instructions can be found at:" followed by the URL [www.myinfinitytouch.carrier.com/infinity/downloads](http://www.myinfinitytouch.carrier.com/infinity/downloads). At the bottom are three buttons: "back", an information icon (a white 'i' in a circle), and "done".

140

- If the .hex file is stored properly on the MicroSD device, this screen will appear. If the screen says, "Please insert MicroSD Device", remove the MicroSD device and re-insert. If it still does not show the screen, below, go back to the download part and retry.

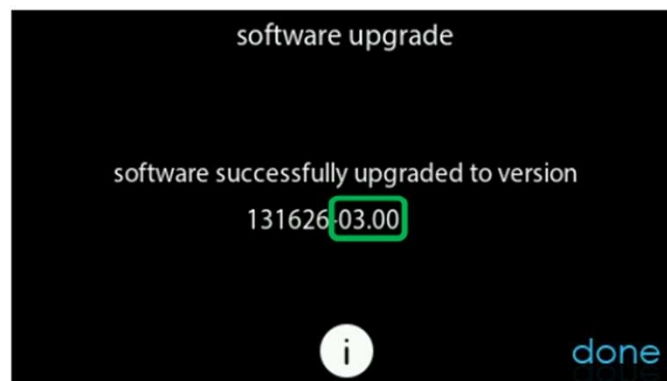
**NOTE:** The names of the files in the images below are examples, and will change with the latest version numbers.

Press **yes** to continue with the software upgrade. The upload and installation will take several minutes.



141

- When the software upgrade is complete, a "successful" message will appear.



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Wholesale Distributors

142


- The control will perform a restart after the **done** button is pressed.  
There will be a longer than normal delay for the wall control to restart since part of the process at this time is the completion of the new software installation. Once the control has successfully restarted, the MicroSD device may be removed.



- This completes the software upgrade process.  
You may want to confirm the new software version, as described above.

143

## OTA Updates



- Units can be updated to the latest firmware
  - Wall control / Inverter control boards


software update

equipment type: thermostat

current software version: 2.00


update software version: 9.00

update software?




software update

SET UP REMINDER?

cancel 

REMIND IN:  
1 day



144



## OTA Updates



---

software update

equipment type: thermostat  
current software version: 2.00  
update software version: 9.00

update software?

yes no

software update

SETUP FROM HERE

REMIN IN: 1 day

remind later  
never

^  
v

cancel i save


Wait new info!



Turn to the experts

145

## Set up or Check Out



---

### Setup

installation & service


equipment summary

installation

setup

check out v

back i done



Turn to the experts

146

## Set up or Check Out

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Depending upon the equipment installed, the following options will be displayed. See the Evolution System HVAC equipment Installation Instructions for more details, as provided

- Indoor

- Furnace
- Fan coil
- PAC AC Indoor
- PAC HP Indoor
- GAS PAC Indoor
- GAS PHP Indoor

- Outdoor

- AC/Heat pump
- Geo HP
- PAC AC outdoor
- PAC HP outdoor
- GAS PAC outdoor
- GAS PHP outdoor

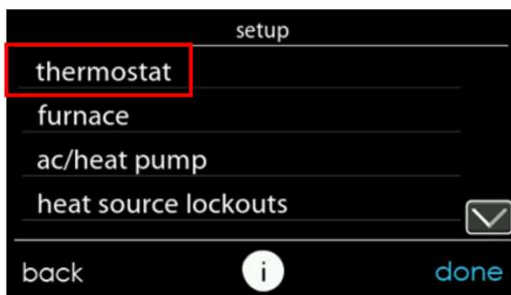
**Carrier**  
Turn to the experts

147

## Set up or Check Out

**Sigler**  
Wholesale Distributors

### Setup



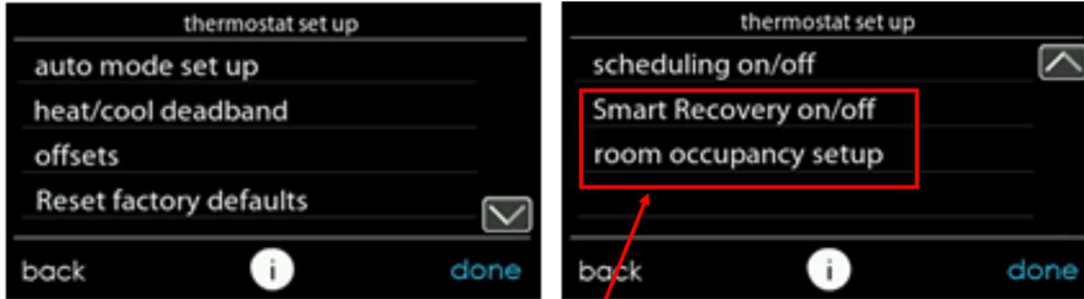
**Carrier**  
Turn to the experts

148

# Set up or Check Out



## Set Up Thermostat



Make sure to verify these two

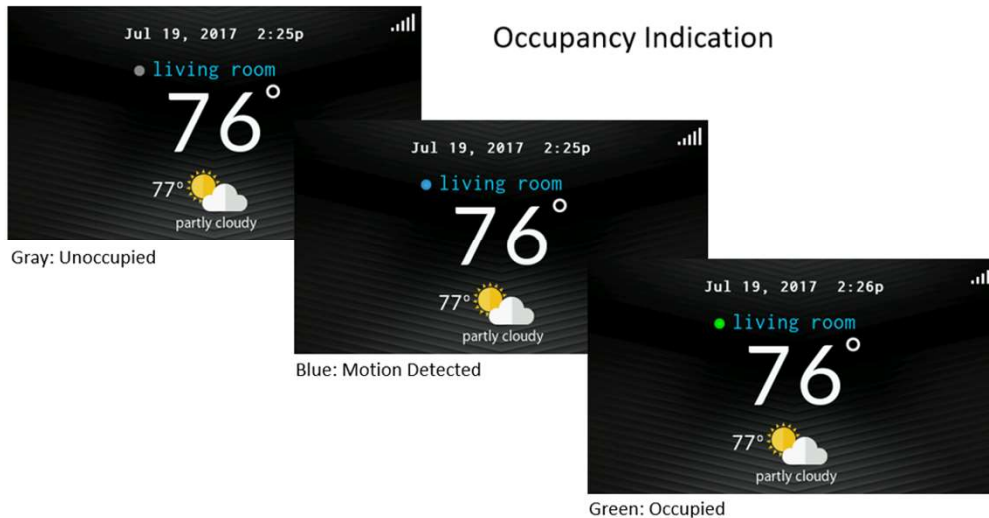


149

# Occupancy Sensing



## Occupancy Indication



Gray: Unoccupied

Blue: Motion Detected

Green: Occupied



150

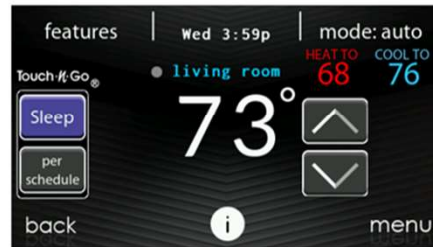
# Occupancy Sensing



## Activity Changes When Occupied



Away and Vacation activities overridden by occupancy  
 "Home" is the default override activity



Once Occupied in Sleep, stays in Sleep



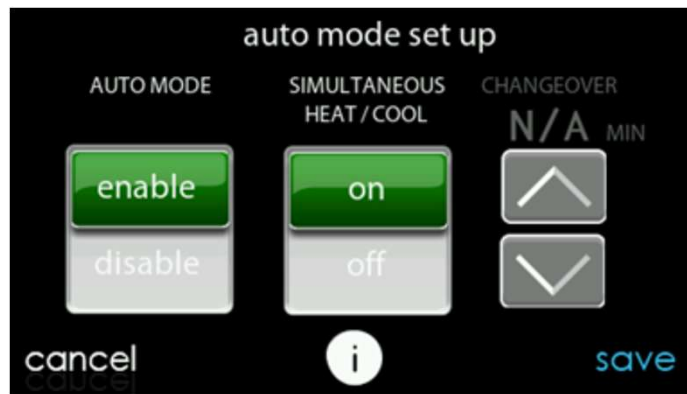
151

# Set up or Check Out



## Auto Mode

- Auto change over
  - Enable (default)
  - Disable



152

## Set up or Check Out

**Sigler**  
Wholesale Distributors

## Simultaneous Heat / Cool

- Used for Zoning
  - Bypasses the change over time when there is a heating call in a zone and a cooling call in a zone.

**Carrier**  
Turn to the experts

153

## Set up or Check Out

**Sigler**  
Wholesale Distributors

## Heat and Cool Dead Band

set heat/cool deadband

DEADBAND  
3° (in selected units)

cancel  save

**Carrier**  
Turn to the experts

154

Set up or Check Out


*Sigler*  
Wholesale Distributors

---

Offsets (single zone)

set desired offsets

OUTDOOR TEMP <b>+2 °F</b>	ROOM TEMP <b>0 °F</b>	HUMIDITY <b>-2 %</b>
▲ ▼	▲ ▼	▲ ▼
cancel	i	save

  
Turn to the experts

155

Set up or Check Out

*Sigler*  
Wholesale Distributors

---


Offsets (zoning)

< zone2 > temperature offset

**-2 °F**

▲  
▼

cancel      i      save

  
Turn to the experts

156

Set up or Check Out

*Sigler*  
Wholesale Distributors

---

## Reset Factory Defaults

reset factory defaults for

PROGRAM SCHEDULE	USER SETTINGS	INSTALL SETTINGS	LAST 10 FAULTS
yes	yes	yes	yes
no	no	no	no

cancel      i      save

Turn to the experts

157

Set up or Check Out

*Sigler*  
Wholesale Distributors

---

## Scheduling

scheduling setup

SCHEDULING

on

off

cancel      i      save

Turn to the experts


158

Set up or Check Out


*Sigler*  
Wholesale Distributors

---

## Smart Recovery



The image shows a control screen for 'Smart Recovery'. At the top, it says 'Smart Recovery'. Below that are two buttons: a green 'on' button and a grey 'off' button. At the bottom left is a 'cancel' button, at the bottom right is a 'save' button, and in the center bottom is an information icon (a white 'i' in a circle).

  
Turn to the experts

159

Set up or Check Out


*Sigler*  
Wholesale Distributors

---

## Fan Coil Airflow

- Cooling Airflow
  - Quiet (300cfm/ton)
  - Comfort (350cfm/ton + Dehum)
  - EFF 325
  - EFF 350
  - MAX (400cfm/ton)

- Heating Airflow
  - Comfort (350cfm/ton)
  - EFF 325
  - EFF 350
  - MAX (400cfm/ton)

  
Turn to the experts

160



## Set up or Check Out



*Sigler*  
Wholesale Distributors

# Altitude

- 0 – 10,000 feet
  - Used to correct static pressure calculation at elevations



*Carrier*  
Turn to the experts

161

## Set up or Check Out



*Sigler*  
Wholesale Distributors

# Dehumidification options

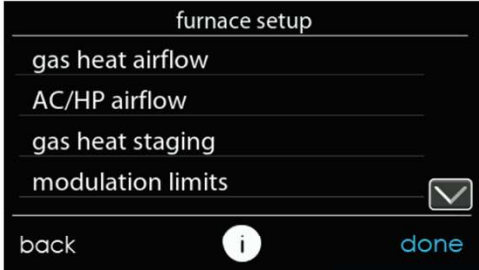
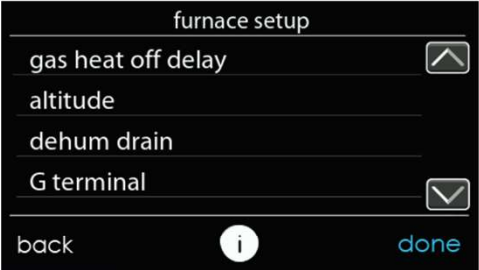
- Smart Evap
  - Dehum drain time 5 – 60 minutes
- Electric Reheat
  - On or off





*Carrier*  
Turn to the experts

162

## Furnace Setup

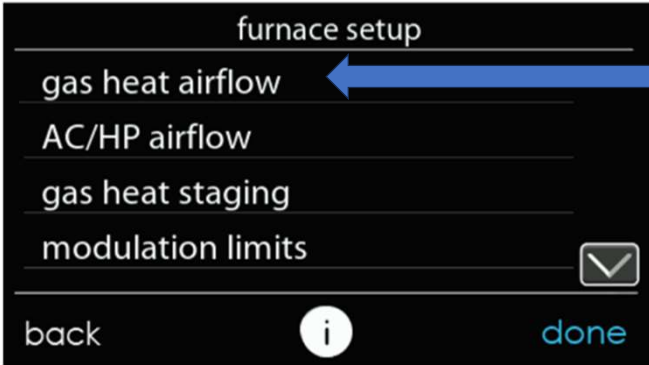





Turn to the experts

163

## Set up or Check Out



- Furnace Airflow
  - Comfort (default)
  - Efficiency
- Low Heat Rise
  - On/Off = Default Off



Turn to the experts

164

Set up or Check Out **Sigler**  
Wholesale Distributors

---

- Cool
  - Quiet
  - Comfort
  - EFF 325
  - EFF 350
  - Max
- Heat Pump
  - Comfort
  - EFF 325
  - EFF 350
  - Max
- Dehum
  - Normal / High

furnace setup

---

gas heat airflow

---

AC/HP airflow

---


gas heat staging

---

modulation limits ✓

---

back i done



Turn to the experts

165

Set up or Check Out **Sigler**  
Wholesale Distributors

---

## Furnace Staging

- System
- Low
- Low-Med
- Med
- Med-High
- High

furnace setup

---

gas heat airflow

---

AC/HP airflow

---

gas heat staging


---

modulation limits ✓

---

back i done

Note: 2 stage furnaces have System, Low, and High




Turn to the experts

166

Set up or  
Check Out

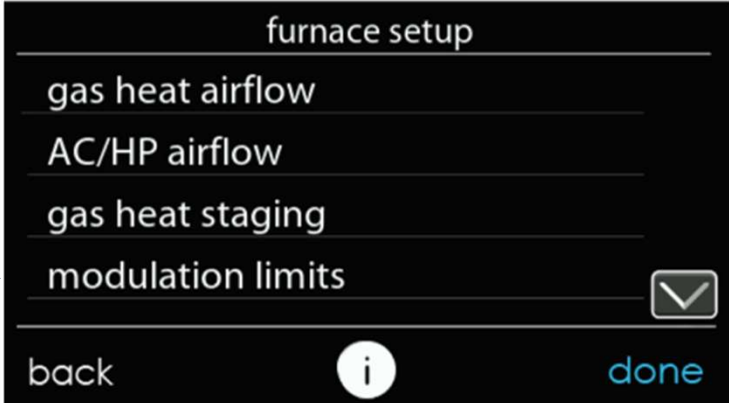
Where might  
We want to use this?

## Furnace Airflow Limits




- Modulating Furnace
  - Minimum Limit
  - Maximum Limit

Gas Valve will only modulate to the position allowed by the limit.



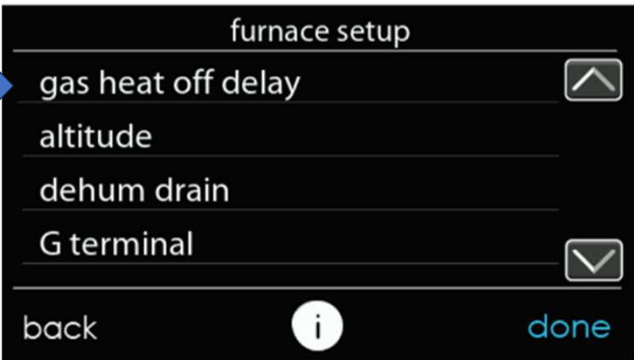
167


Set up or  
Check Out



## Furnace Off Delay

- 90
- 120 (default)
- 150
- 180





Turn to the experts

168

Set up or Check Out **Sigler**  
Wholesale Distributors

---

# Altitude

- Altitude

furnace setup

gas heat off delay ^

altitude ←

dehum drain

G terminal v

back i done

- Adjust furnace airflow for gas derating

Turn to the experts

169

# Furnace Dehumidifier Drain

**Sigler**  
Wholesale Distributors

- Allows blower to shut off for a select time to allow condensate to be removed
  - 5 – 60 minutes
  - 15 = default Stinky Feet Smell!

furnace setup

gas heat off delay ^

altitude

dehum drain ←

G terminal v

back i done

**6.3.3.7. Furnace Dehumidifier Drain**

This option selects the time the continuous fan turns off at the end of cooling in order to drain the indoor coil of water (Smart Evap feature). The fan will only be turned off if a dehumidify demand existed at the start of or during the cooling cycle.

- **Dehumidify Drain Time:** Adjustable from 5 to 60 minutes. Default = 15 minutes

Turn to the experts

170

# Furnace "G" Terminal Fan

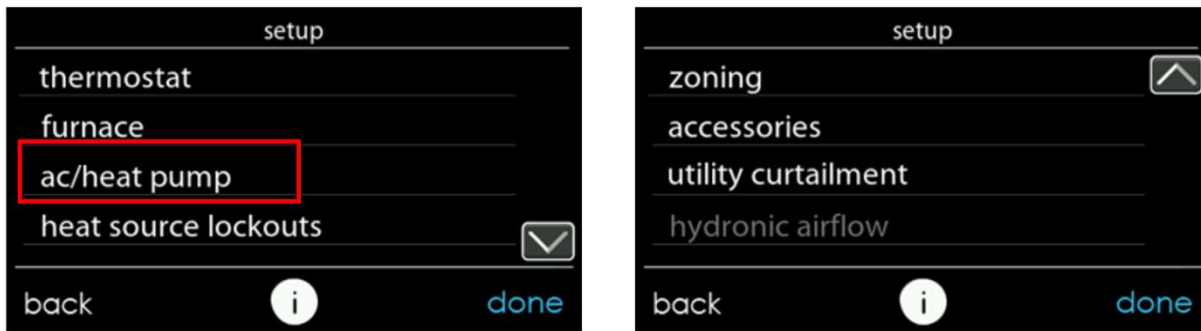


171

# Set up or Check Out



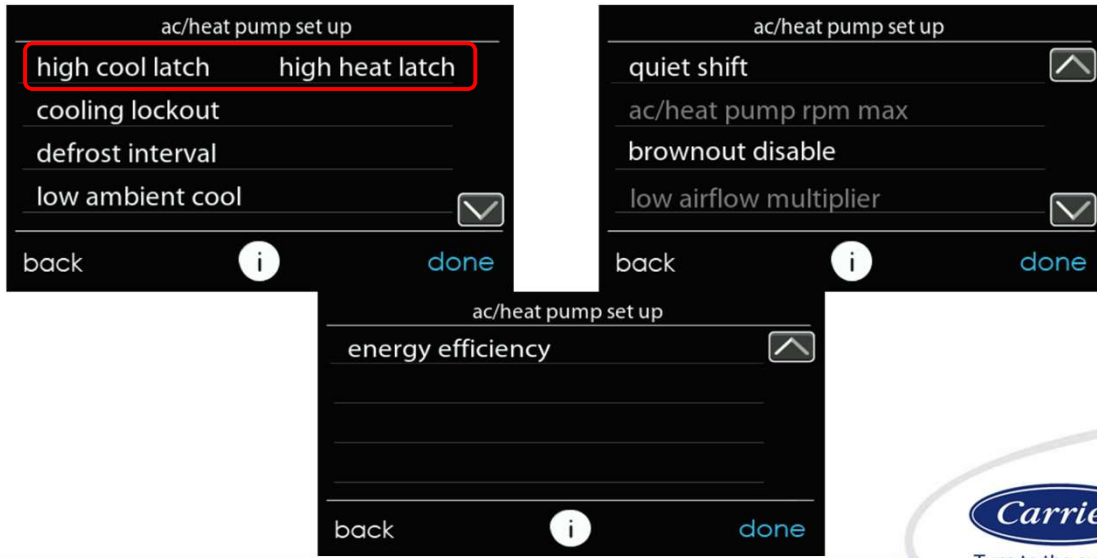
## Setup Outdoor Unit



172

# Setup A/C Heat Pump

*Sigler*  
Wholesale Distributors



173

# High cool latch

*Sigler*  
Wholesale Distributors

## What is Latch?



174

Set up or Check Out

**Sigler**  
Wholesale Distributors

---

## High Cool Latch

- System in Control
- High Cool
- Low Cool Only

**Carrier**  
Turn to the experts

175

High Heat Latch

**Sigler**  
Wholesale Distributors

---

## High Heat Latch

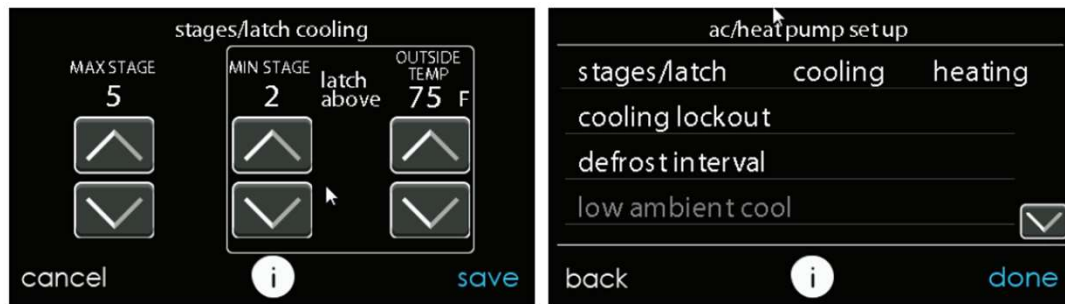
- System in Control
- High Heat
- Only Low Heat

**Carrier**  
Turn to the experts

176



6.3.6. Stages / Latch for 18VS For 18VS heat pumps, the cooling and heating stage/latch can be changed. Select cooling or heating next to stages/latch. The maximum stage and the minimum stage can be selected. The minimum selected stage can be locked-in or set based upon the outside temperature.



**Sigler**  
Wholesale Distributors

**Carrier**  
Turn to the experts

177

## Defrost Interval Time

**Sigler**  
Wholesale Distributors

6.3.4.3. Defrost Interval Time interval at which defrost cycles can occur on a heat pump. AUTO means the defrost interval is optimized by the outdoor control. After the selection is made, touch SAVE. • Set Defrost Interval: 30, 60, 90, 120 minutes or AUTO. Default = AUTO NOTE: See Heat Pump Installation Instructions for Defrost Timing Interval when using AUTO Defrost.

**Carrier**  
Turn to the experts

178

## Set up or Check Out

**Sigler**  
Wholesale Distributors

## Cooling Lockout

- Temperature below which the compressor will not operate
- Default = None

**Carrier**  
Turn to the experts

179

**Sigler**  
Wholesale Distributors

6.3.4.2.

Cooling Lockout Outside temperature below which cooling will not be provided. After the selection is made, touch SAVE.

- Cooling Lockout Temp: None, 45, 50 or 55 (°F).  
Default = None NOTE: When simultaneous heating and cooling demand feature is on, the cooling lockout shall be ignored.

**Carrier**  
Turn to the experts

180



#### 6.3.4.4.

Low Ambient Cooling Selecting YES will enable the low ambient cooling operation in the outdoor unit. This setting is only available with compatible communicating outdoor units and with Cooling Lockout set to NONE. Low ambient kits are not needed with many communicating outdoor units. Refer to the outdoor unit Product Data or Installation Instructions for more information. After the selection is made, touch SAVE. • Low Ambient Cooling: Yes or No. Default = No

181



#### 6.3.4.5.

Quiet Shift This option turns on Quiet Shift function in 1-stage or 2-stage communicating heat pumps. After the selection is made, touch SAVE. NOTE: This option is not available with variable speed heat pumps nor geothermal units. • Quiet Shift: On or Off. Default = Off

182



#### 6.3.4.6.

AC/Heat Pump RPM Max Used with variable capacity heat pumps; this option clamps the operating speed of the heat pump to this maximum. Used to reduce operating noise while in high heating capacity. Reducing this value will reduce the heating capacity of the heat pump. After the selection is made, touch SAVE.

- AC Heat Pump Max RPM: Adjustable from 4500 – 7000. Default = 7000 RPM

183




#### 6.3.4.7.

Defrost Fan Delay Turns on the outdoor unit fan at the end of a defrost cycle for approximately 12 seconds. This helps to reduce any nuisance refrigerant noise caused by the switching reversing valve. This setup is only available on communicating heat pumps. After the selection is made, touch SAVE.


- Defrost Fan Delay: Yes or No. Default = No


184

### Naming the Zones



Tap  
The  
screen!

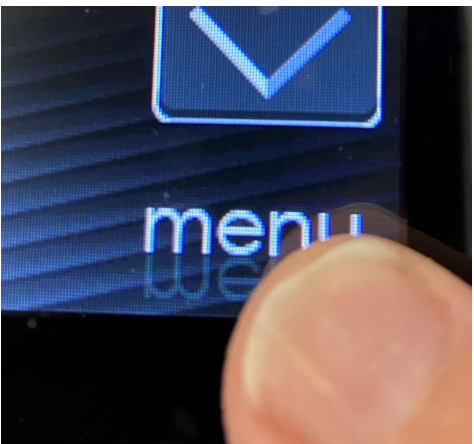




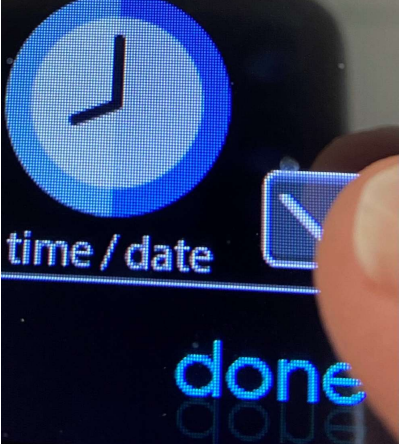
Turn to the experts


185


### Select menu



### Select the down arrow







Turn to the experts

186

## Select Zone Names!

*Sigler*  
Wholesale Distributors

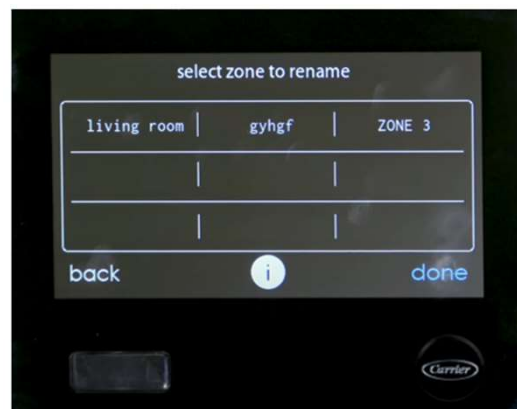


*Carrier*  
Turn to the experts

187

*Sigler*  
Wholesale Distributors

When you have completed changing your names simply  
select done!

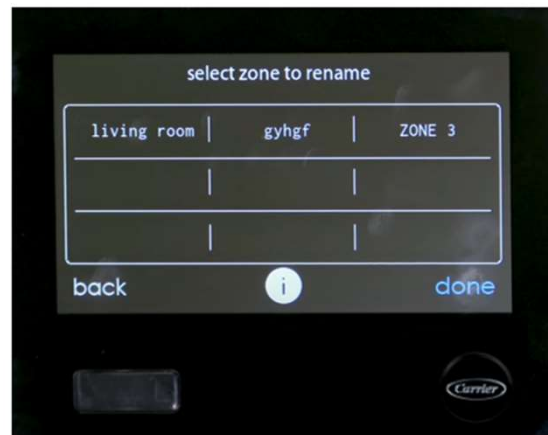


*Carrier*  
Turn to the experts

188

**Sigler**  
Wholesale Distributors

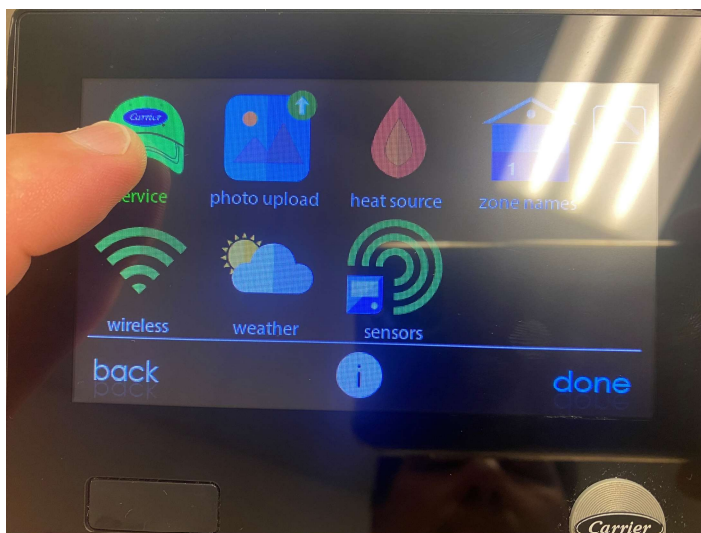
When you have completed changing your names simply  
select done!



**Carrier**  
Turn to the experts

189

**Sigler**  
Wholesale Distributors



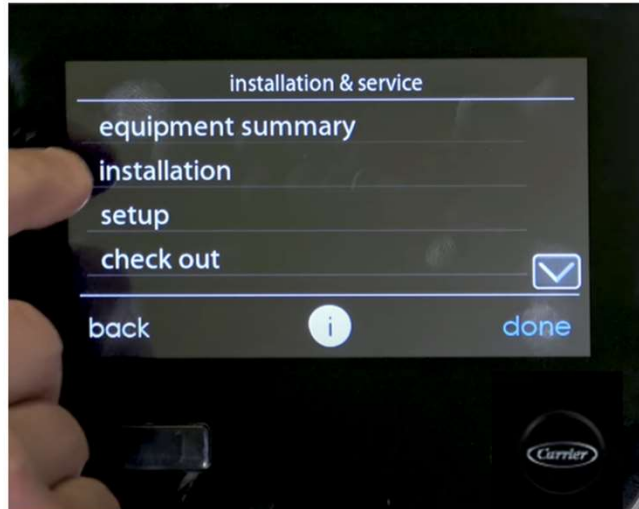
Advanced service  
settings for zoning.  
Hold down the  
Carrier ball Cap  
Until it turns  
"green".

**Carrier**  
Turn to the experts

190

## Go into Setup

**Sigler**  
Wholesale Distributors



**Carrier**  
Turn to the experts

191

## Scroll down

**Sigler**  
Wholesale Distributors



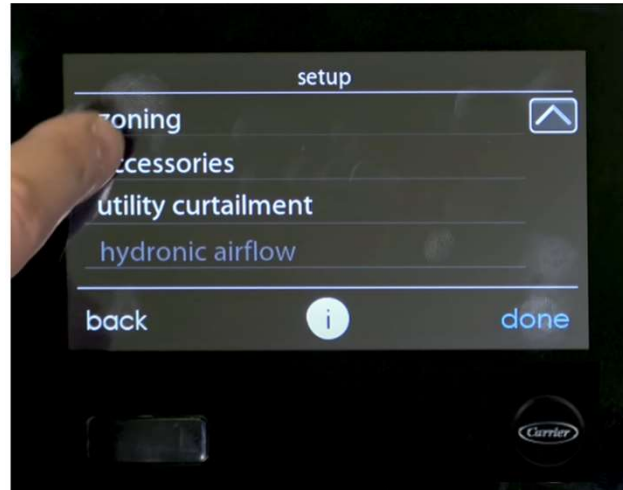
**Carrier**  
Turn to the experts

192



## Go to Zoning

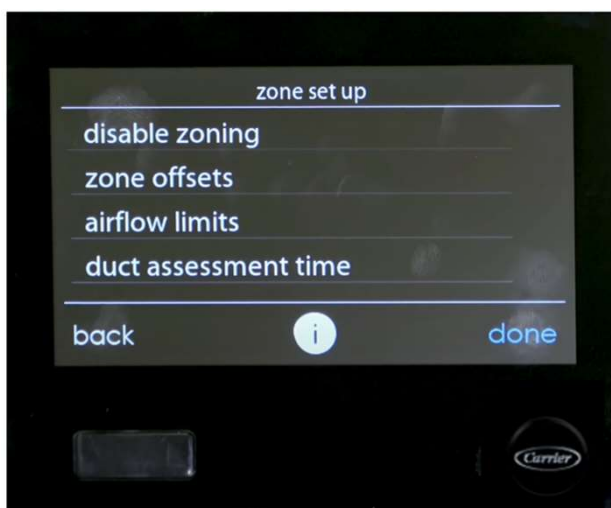
**Sigler**  
Wholesale Distributors



**Carrier**  
Turn to the experts

193

**Sigler**  
Wholesale Distributors



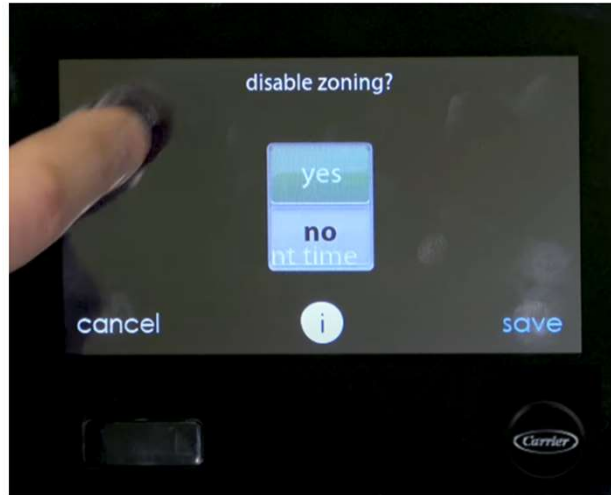
From this menu  
you will find  
the following  
options.

**Carrier**  
Turn to the experts

194

# ULN ?

**Sigler**  
Wholesale Distributors



**Carrier**  
Turn to the experts

195

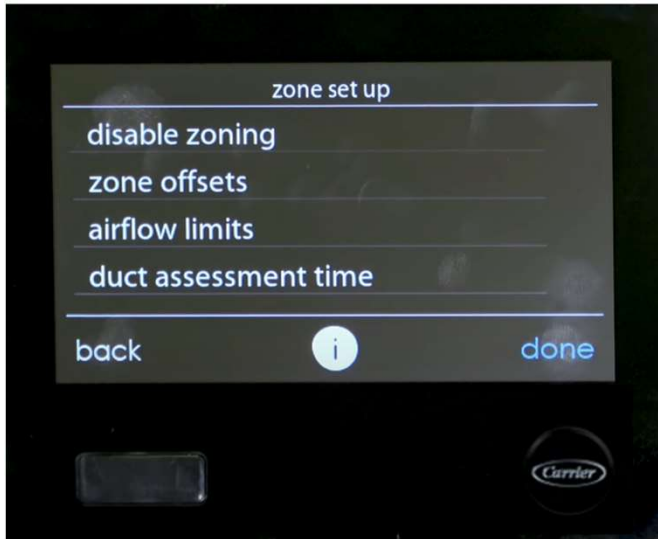
**Sigler**  
Wholesale Distributors

You can  
Increase  
Or  
Decrease  
The  
Temperature  
In  
Each  
Zone



**Carrier**  
Turn to the experts

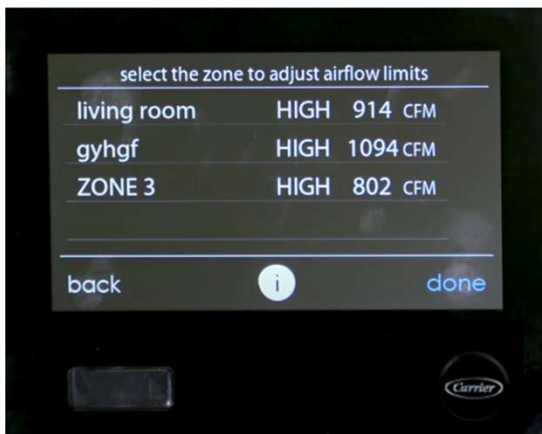
196



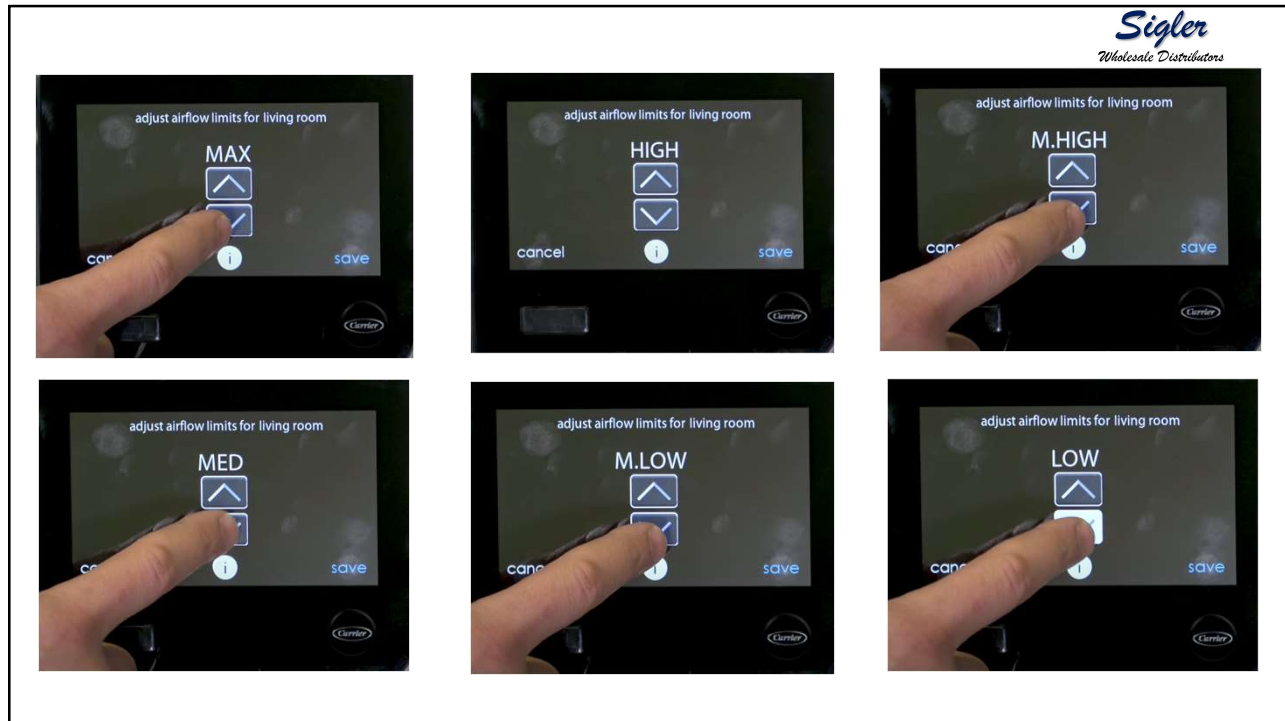
# Go Back & Select Airflow Limits



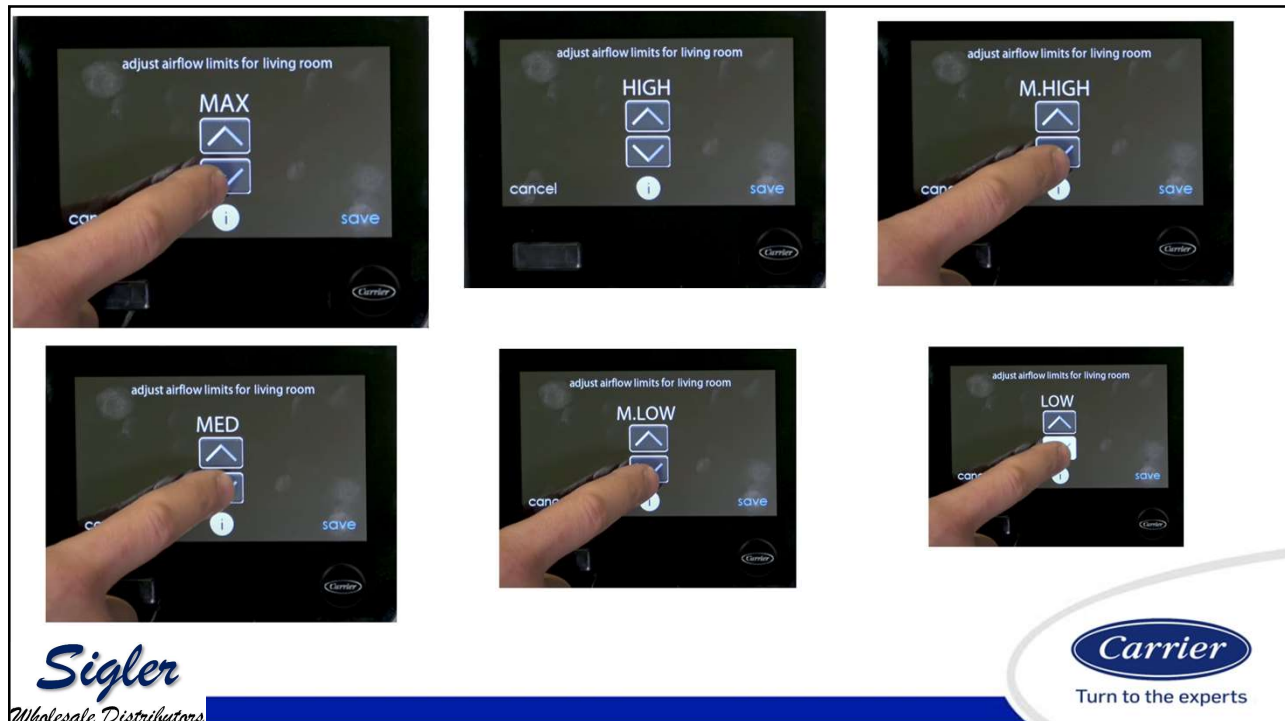
197



198



199



**Sigler**  
Wholesale Distributors

**Carrier**  
Turn to the experts

200

### 6.3.8.3. Airflow Limits

*Sigler*  
Wholesale Distributors

Since a bypass damper is prohibited in this system, this setting is used to select the maximum allowable noise/airflow relationship into each zone based on air noise and comfort requirements. **LOW means 100% of maximum assessed airflow;** MED-LOW means 138% of maximum assessed airflow; MEDIUM means 176% of maximum assessed airflow; MED-HIGH means 214% of maximum assessed airflow; HIGH means 250% of maximum assessed airflow; and NO LIMIT means the equipment does not stage down due to airflow, but the system may stage down due to high static pressure.

*Carrier*  
Turn to the experts

201

*Sigler*  
Wholesale Distributors

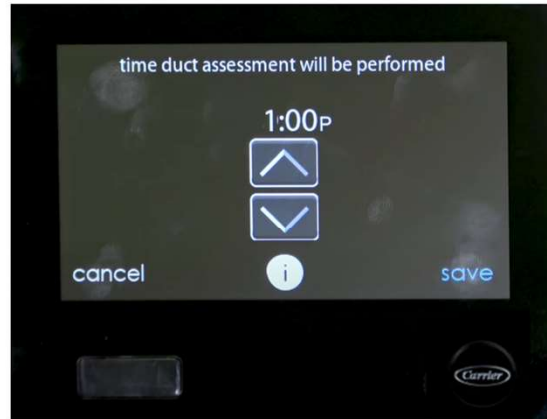
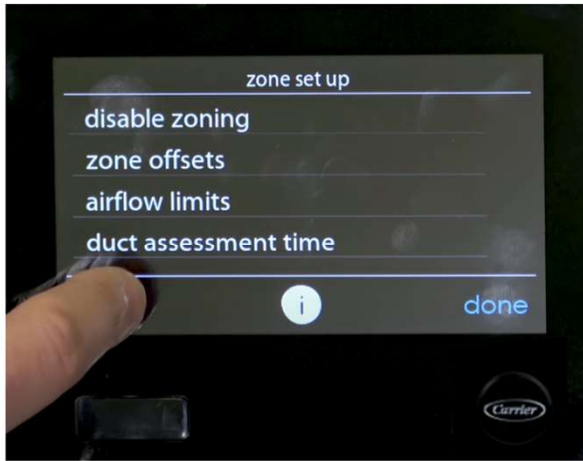
CFM associated for each limit is shown on the screen. Compare this value with the equipment's low stage CFM value to ensure that equipment will run for each zone. Assessed airflow is determined as described in DUCT ASSESSMENT. After the selections are made, touch SAVE. • Touch the zone name that you wish to change • Select the zone to adjust airflow: Low, Med-Low, Medium, Med-High, High, or No Limit.  
Default = High

*Carrier*  
Turn to the experts

202

# Duct Assessment Time

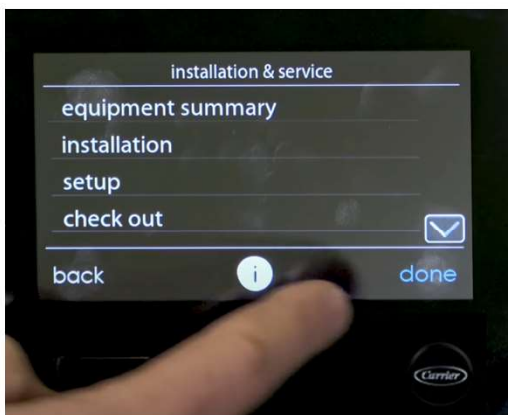
*Sigler*  
Wholesale Distributors



203

# Check Out

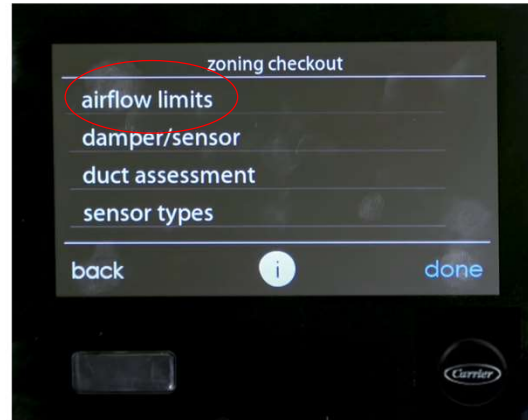
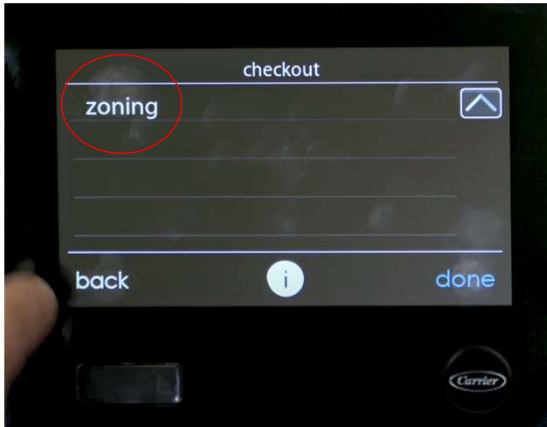
*Sigler*  
Wholesale Distributors



204

# Let's look at airflow limits

*Sigler*  
Wholesale Distributors



**Carrier**  
Turn to the experts

205

Best place to set and check your air flow limits.  
You can hit start and listen for the air flow.

*Sigler*  
Wholesale Distributors

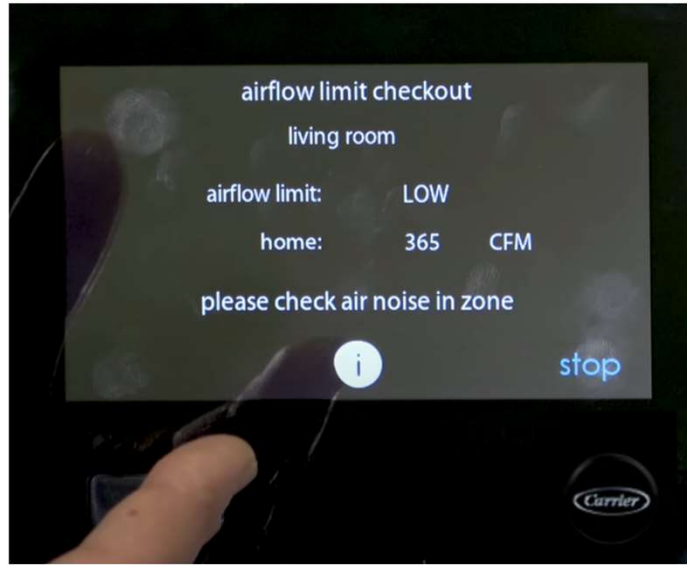


**Carrier**  
Turn to the experts

206

# Why would you do this?

**Sigler**  
Wholesale Distributors



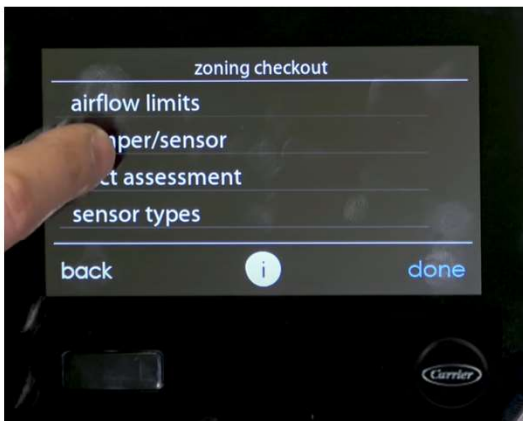
**Carrier**  
Turn to the experts

207

Did you know that you can check your dampers without crawling in the attic or crawling through the basement?

Let's Talk About It!

**Sigler**  
Wholesale Distributors



**Carrier**  
Turn to the experts

208



# The Result....

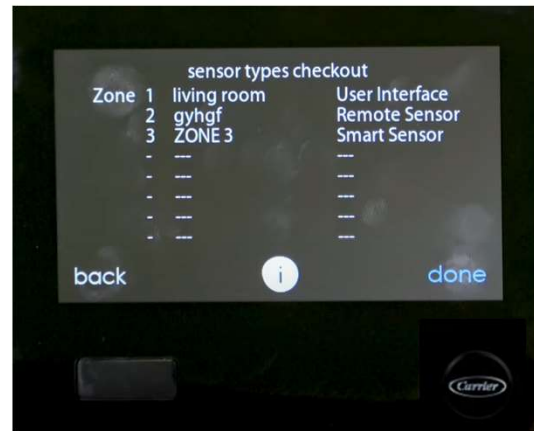
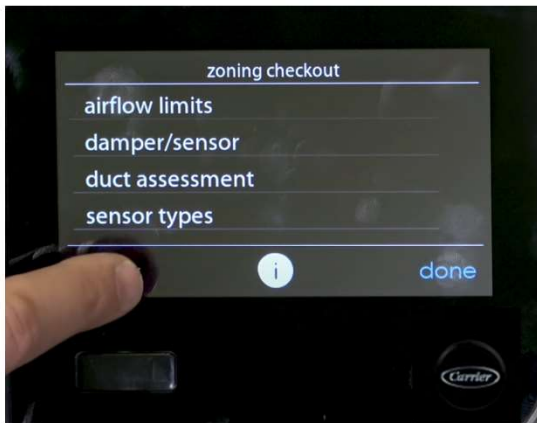
**Sigler**  
Wholesale Distributors



209

# Sensor Types

**Sigler**  
Wholesale Distributors

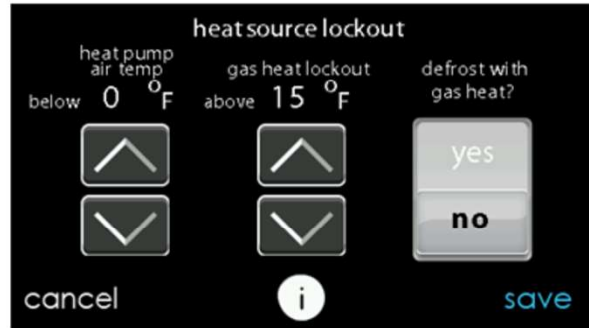


210

# Heat Source Lockout

**Sigler**  
Wholesale Distributors

- Heat Pump Lockout
  - -20\*-55\*
  - Default = None
- Furnace, Electric Heat, Hydronic Lock out
  - 15\* – 55\*
  - Default None
- Defrost with Furnace, Electric Heat, or Hydronic
  - Yes / No
  - Default = Yes

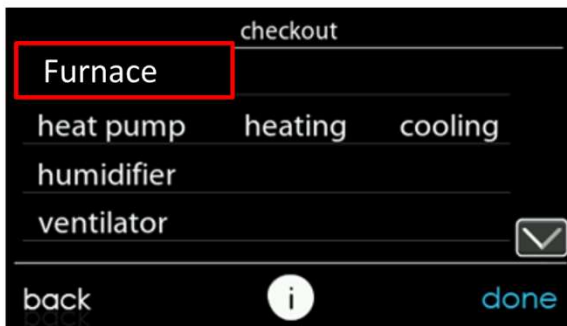


**Carrier**  
Turn to the experts

211

# Checkout

**Sigler**  
Wholesale Distributors



**Carrier**  
Turn to the experts

212

## Checkout

*Sigler*  
Wholesale Distributors

- Furnace
  - Low Heat
    - 0 – 120 minutes default = 5 minutes
  - High Heat
    - 0 – 120 minutes default = 5 minutes

*Carrier*  
Turn to the experts

213

## Checkout

*Sigler*  
Wholesale Distributors

checkout

Hydronic

heat pump   heating   cooling

humidifier

ventilator

back   *i*   done

checkout

zoning

back   *i*   done

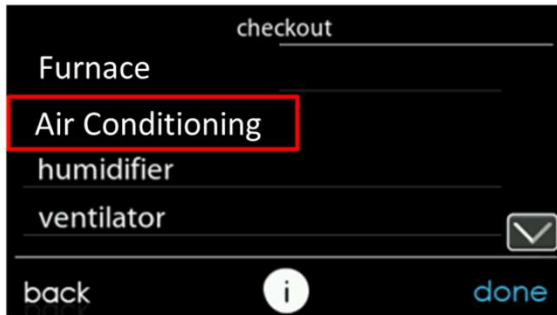
- Hydronic
  - 0 – 120 minutes default = 5 minutes

*Carrier*  
Turn to the experts

214

## Checkout

*Sigler*  
Wholesale Distributors



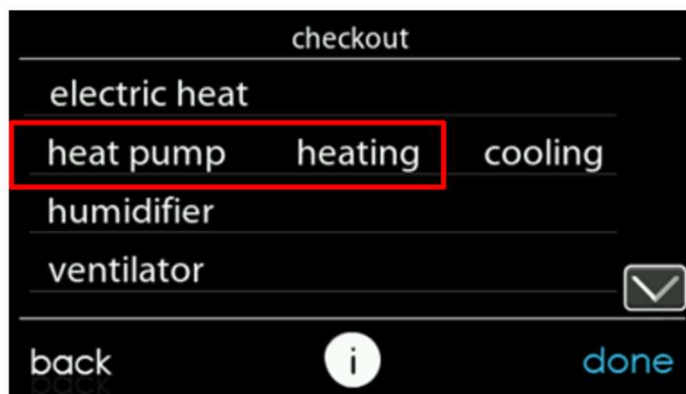
- Air Conditioning
  - Low Cool
    - 0 – 120 minutes default = 5 minutes
  - High Cool
    - 0 – 120 minutes default = 5 minutes

  
Turn to the experts

215

## Checkout

*Sigler*  
Wholesale Distributors



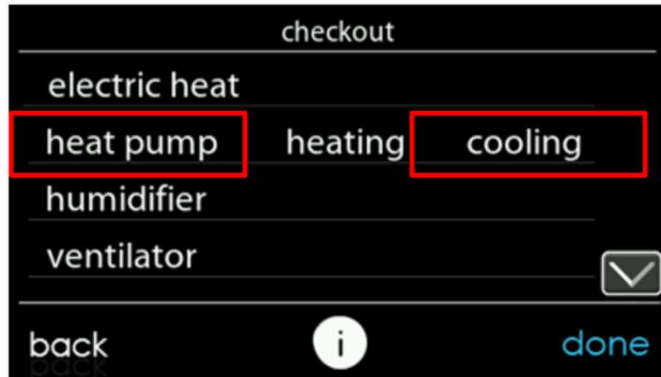
- Heat Pump Heating
  - Low Heat run time
    - 0 – 120 minutes default = 5 minutes
  - High Heat run time
    - 0 – 120 minutes default = 5 minutes
  - Speed
    - Variable speed: Lowest to 100% default = Lowest available
  - Defrost
    - Yes or no

  
Turn to the experts

216

## Checkout

**Sigler**  
Wholesale Distributors



### • Heat Pump Cooling

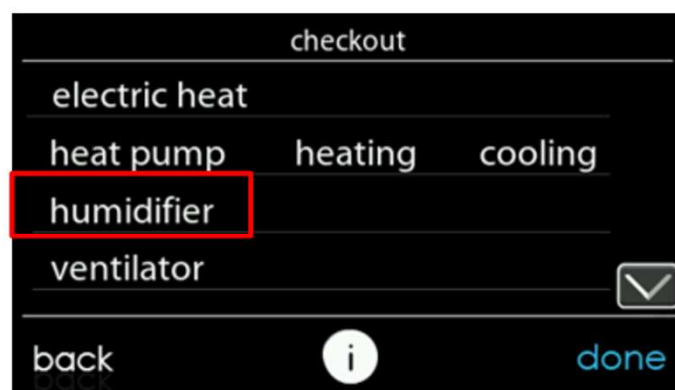
- Low Heat run time
  - 0 – 120 minutes default = 5 minutes
- High Heat run time
  - 0 – 120 minutes default = 5 minutes
- Speed
  - Variable speed: Lowest to 100% default = Lowest available

**Carrier**  
Turn to the experts

217

## Checkout

**Sigler**  
Wholesale Distributors



### • Humidifier Check

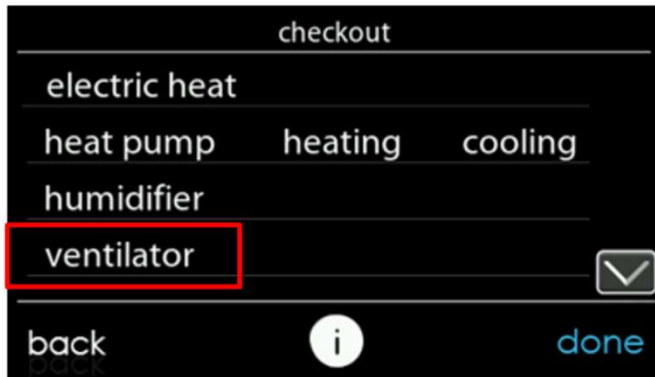
- On / Off

**Carrier**  
Turn to the experts

218

## Checkout

*Sigler*  
Wholesale Distributors



- Ventilator Check
  - High, Low, Off

Note: ERVXXNVA May not have this option due to it's simplified controls.

*Carrier*  
Turn to the experts

219

## Service Information

*Sigler*  
Wholesale Distributors



*Carrier*  
Turn to the experts

220

## Service Information

**Sigler**  
Wholesale Distributors



- Advanced Diagnostics
  - Gives 3 most likely root causes for the most recent fault

Note: Only available for compatible equipment

**Carrier**  
Turn to the experts

221

## Service Information

**Sigler**  
Wholesale Distributors

fan coil status	
electric heat stage	1
indoor airflow CFM	555
blower RPM	1200
static pressure	0.33 in
leaving air temperature	65
indoor coil temperature	45

- Fan Coil Status

**Carrier**  
Turn to the experts

222

# Service Information

**Sigler**  
Wholesale Distributors

service info

**Furnace**

Air Conditioner view diagnosis

zoning status

last 10 system events ✓

back i done

## • Furnace Status

furnace status

furnace heat stage	MED
airflow CFM	555
blower RPM	1200
static pressure	66 in
inducer RPM	123
leaving air temperature	65
lockout time left	180

back i done



223

# Service Information

**Sigler**  
Wholesale Distributors

service info

fan coil status

**Air Conditioner**

zoning status view diagnosis

last 10 system events ✓

back i done

## • Air Conditioner Status

air conditioner status

air conditioner	stage 1
indoor airflow CFM	555
leaving air temperature	65
outdoor coil temperature	23
blower RPM	1200
line voltage	119
lockout timer	45

back i done



224



# Service Information



service info

- fan coil status
- Heat Pump**
- zoning status
- last 10 system events

back done

[view diagnosis](#)

## • Heat Pump Status

heat pump status

heat pump cooling:	5%
compressor RPM	555
outdoor coil temperature	97
suction pressure	120
suction temperature	64
suction superheat	23.0
discharge temperature	157
EXV position:	100%

back done



225

# Service Information



service info

- fan coil status
- Geo HP status
- zoning status
- last 10 system events**

back done

[view diagnosis](#)

## • Last 10 System Events

last 10 system events

heat pump: 07/30/61 12:33pm	fault
low pressure switch open	999 consecutive times active
AC: 09/18/62 12:44pm	active
high pressure switch open	888 consecutive times active

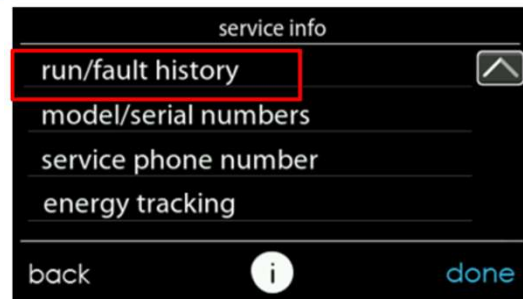
back done



226

## Service Information

*Sigler*  
Wholesale Distributors



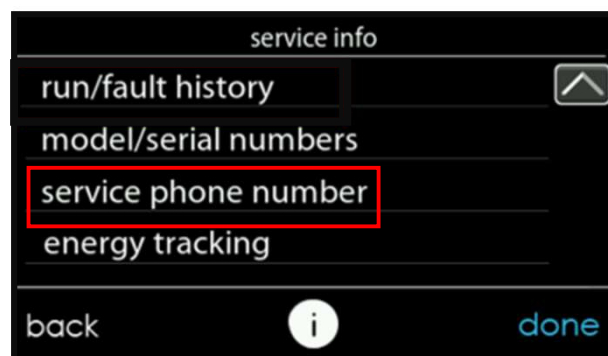
- Run Fault History
  - Resettable Faults
  - Cycle Counters
  - Run Times

*Carrier*  
Turn to the experts

227

## Service Information

*Sigler*  
Wholesale Distributors



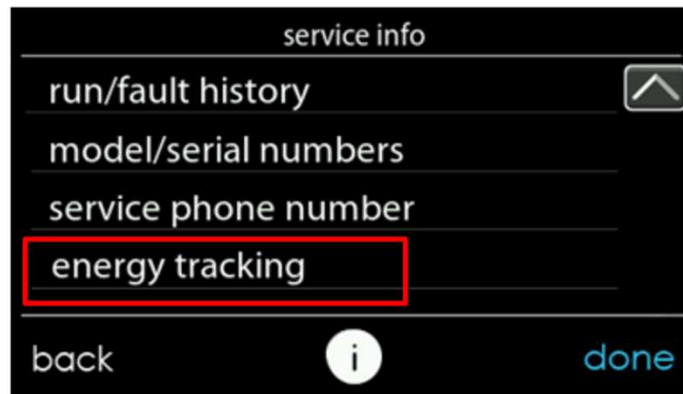
- Service Phone Number
  - Allows the installer to review the dealer contact information

*Carrier*  
Turn to the experts

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## Service Information

*Sigler*  
Wholesale Distributors



*Carrier*  
Turn to the experts

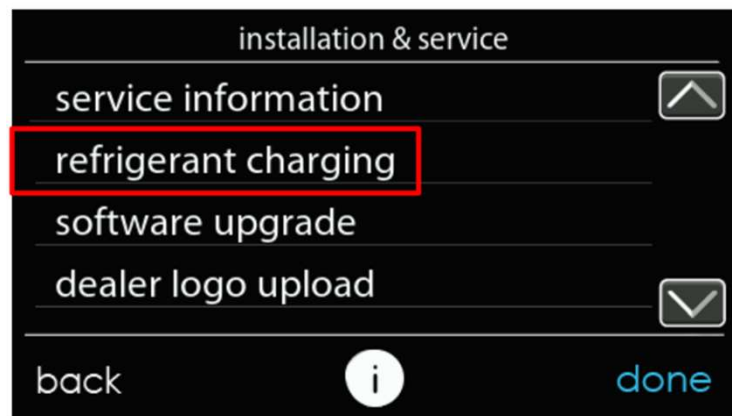
229

## Refrigerant Charging

*Sigler*  
Wholesale Distributors

- Refrigerant Charging

- 280ANV
- 180CNV
- 189BNV
- 288BNV
- 186 CNV
- 284ANV



*Carrier*  
Turn to the experts

230

# Refrigerant Charging

*Sigler*  
Wholesale Distributors

- Charging Cooling

refrigerant charge	
charging cooling	htg check charge
pumpdown	
evacuation	
EXV position	
back	done

*Carrier*  
Turn to the experts

231

# Refrigerant Charging

*Sigler*  
Wholesale Distributors

- Charging Setup

refrigerant charging setup	
furnace coil:	CNP*42
line set:	5 ft
vapor line:	3/4 in
back	next

*Carrier*  
Turn to the experts

232

## Refrigerant Charging

**Sigler**  
Wholesale Distributors

- Charging Mode Selector

charging mode selection

---

weigh in: 15 lb 12 oz (total charge)

---

service valve subcool


---

system subcool- auto

---

system subcool-manual

---

back  done

**Carrier**  
Turn to the experts

233

## Refrigerant Charging

**Sigler**  
Wholesale Distributors

- Weigh in

charge weigh in

---

expected factory charge: 2 lb 0 oz


---

add for line set: 0 lb 12 oz

---

add for indoor coil size: 1 lb 0 oz

---

back  done

**Carrier**  
Turn to the experts

234

# Refrigerant Charging

**Sigler**  
Wholesale Distributors

- Sub Cooling

service valve subcool

---

target service valve subcool: 8.3 F

---




---



---



---

back  start

**Carrier**  
Turn to the experts

235

# Refrigerant Charging

**Sigler**  
Wholesale Distributors

- Pump Down

refrigerant charge

---

charging cooling    htg check charge

---

**pumpdown**


---

evacuation

---

EXV position

---

back  done

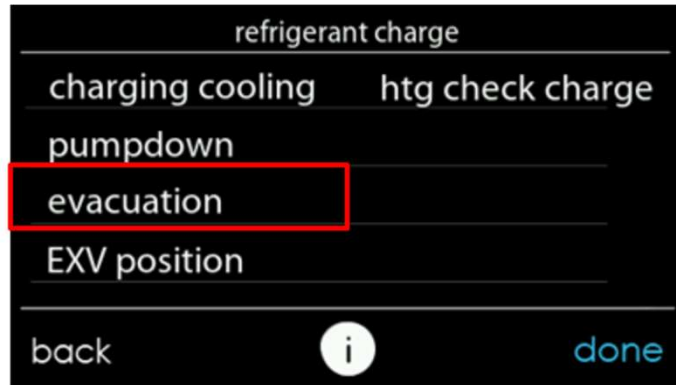
**Carrier**  
Turn to the experts

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# Refrigerant Charging

*Sigler*  
Wholesale Distributors

- Evacuation



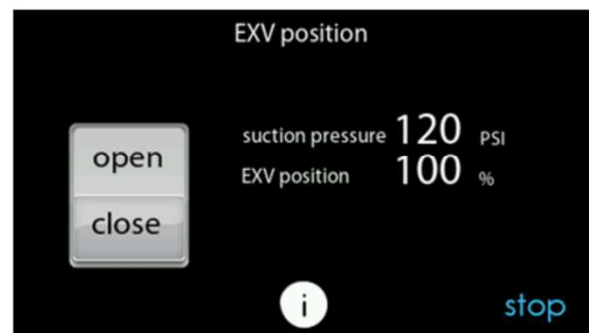
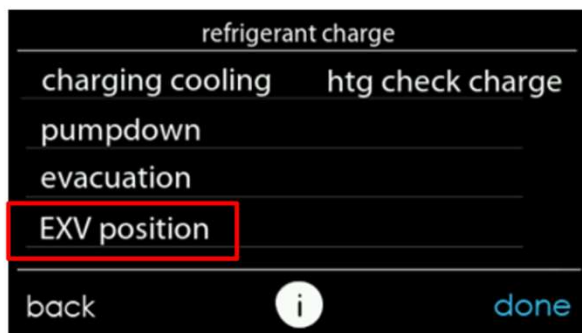
*Carrier*  
Turn to the experts

237

# Refrigerant Charging

*Sigler*  
Wholesale Distributors

- EXV Position

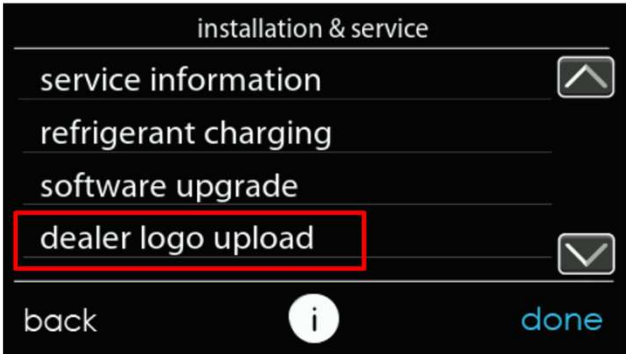



*Carrier*  
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# Dealer Logo











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# Dealer Logo





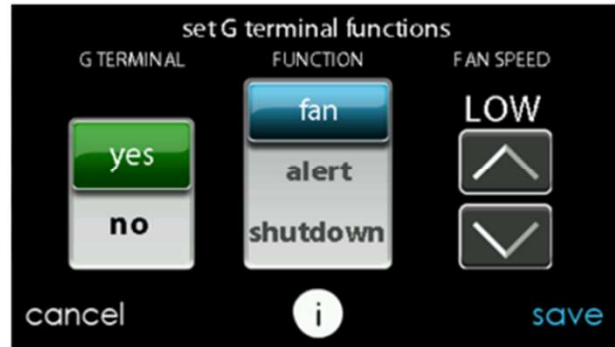




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# Furnace "G" Terminal Fan /Or Safety Switch

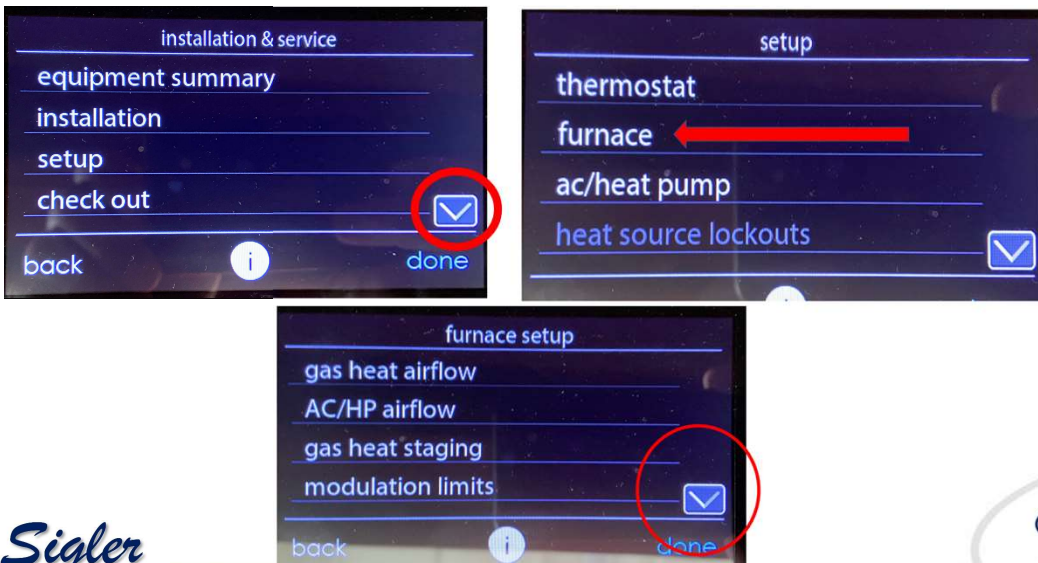


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Wholesale Distributors

Carrier  
Turn to the experts

241

# Furnace "G" Terminal Fan /Or Safety Switch

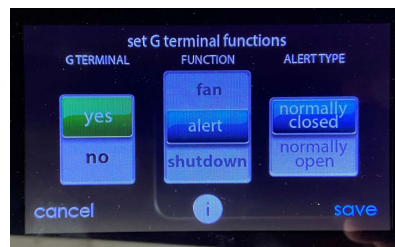
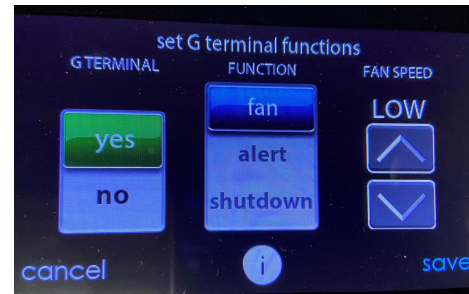
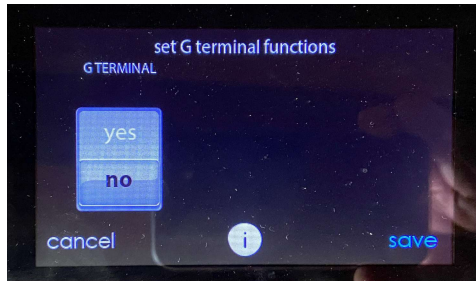


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Wholesale Distributors

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Turn to the experts

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## Furnace "G" Terminal Fan /Or Safety Switch



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Turn to the experts

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## Furnace "G" Terminal Fan /Or Safety Switch

6.3.2.6. Fan Coil G Terminal Alert Label Once the G Terminal Alert label has been entered, it is shown both on the main screen and in the notification email when the alert becomes active.



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Wholesale Distributors

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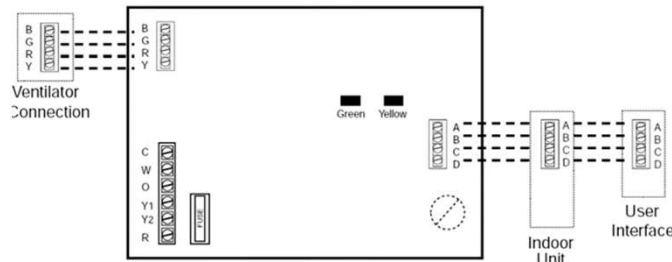
244

For the year 2021 going forward as of now do not use a (NIM) Module for you ERV Or HRV

Sigler Wholesale Distributors

2020 and older

ERV/HRV Set Up with Network Interface Module (NIM)

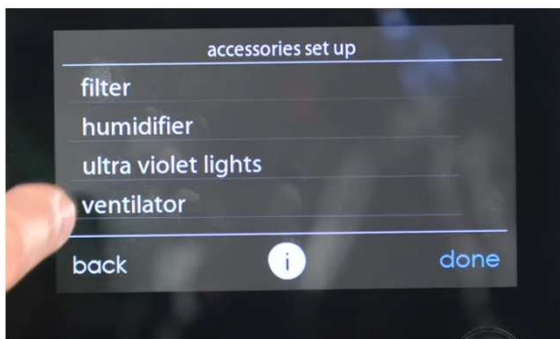


Carrier Turn to the experts

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# HRV / ERV

Sigler Wholesale Distributors



Only one thing to configure (Clean Cycle)  
Default is 90 up to 180 days!

Carrier Turn to the experts

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Thank You- Virtual shaking my hand!



Please stay safe!  
Hope to see all of you Soon!

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**End Of class for today!**  
**Have a fantastic day!**

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