COMMUNICATING CO



COMM System Wiring Diagrams

This document provides specific details for making low voltage wiring connections of UPG Residential products. This includes diagrams for many specific air conditioning or heat pump outdoor applications with air handlers or gas furnaces. These diagrams use a specific UPG communicating thermostat for UPG residential products. Due to continuous product improvements, all specifications are subject to change without notice. For distribution use only - not to be used at point of retail sale. All rights reserved. For the most up-to-date technical information, please visit our website at www.york.com.

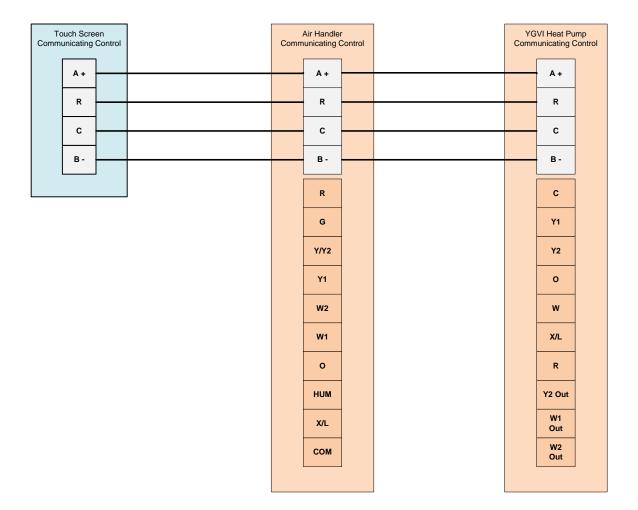
Table of Contents - COMM System Wiring Diagrams

Number	Indoor Unit	Outdoor Unit	Special Application Note
HP1	V/S Air Handler	Two Stage Heat Pump (Hot HP)	heat kit first stage=W1
HP2	V/S Air Handler	Two Stage Heat Pump (Hot HP)	heat kit first stage=W2
HP3	V/S Air Handler	Two Stage Heat Pump (Hot HP)	heat kit first stageW1+W2
HP21	V/S Air Handler	Two Stage Heat Pump (Hot HP)	
HP4	V/S Air Handler	Two Stage Heat Pump	heat kit first stage=W1
HP5	V/S Air Handler	Two Stage Heat Pump	heat kit first stage=W2
HP6	V/S Air Handler	Two Stage Heat Pump	heat kit first stage=W1+W2
HP22	V/S Air Handler	Two Stage Heat Pump	
HP7	V/S Air Handler	Single Stage Heat Pump (Hot HP)	heat kit first stage=W1
HP8	V/S Air Handler	Single Stage Heat Pump (Hot HP)	heat kit first stage=W2
HP9	V/S Air Handler	Single Stage Heat Pump (Hot HP)	heat kit first stage=W1+W2
HP23	V/S Air Handler	Single Stage Heat Pump (Hot HP)	
HP10	V/S Air Handler	Single Stage Heat Pump	heat kit first stage=W1
HP11	V/S Air Handler	Single Stage Heat Pump	heat kit first stage=W2
HP12	V/S Air Handler	Single Stage Heat Pump	heat kit first stage=W1+W2
HP24	V/S Air Handler	Single Stage Heat Pump	
HP25	V/S Air Handler (AHV)	Two Stage Heat Pump (Hot HP)	heat kit first stage=W1
HP26	V/S Air Handler (AHV)	Two Stage Heat Pump (Hot HP)	heat kit first stage=W2
HP27	V/S Air Handler (AHV)	Two Stage Heat Pump (Hot HP)	heat kit first stageW1+W2
HP37	V/S Air Handler (AHV)	Two Stage Heat Pump (Hot HP)	
HP28	V/S Air Handler (AHV)	Two Stage Heat Pump	heat kit first stage=W1
HP29	V/S Air Handler (AHV)	Two Stage Heat Pump	heat kit first stage=W2
HP30	V/S Air Handler (AHV)	Two Stage Heat Pump	heat kit first stage=W1+W2
HP38	V/S Air Handler (AHV)	Two Stage Heat Pump	
HP31	V/S Air Handler (AHV)	Single Stage Heat Pump (Hot HP)	heat kit first stage=W1
HP32	V/S Air Handler (AHV)	Single Stage Heat Pump (Hot HP)	heat kit first stage=W2
HP33	V/S Air Handler (AHV)	Single Stage Heat Pump (Hot HP)	heat kit first stage=W1+W2
HP39	V/S Air Handler (AHV)	Single Stage Heat Pump (Hot HP)	
HP34	V/S Air Handler (AHV)	Single Stage Heat Pump	heat kit first stage=W1
HP35	V/S Air Handler (AHV)	Single Stage Heat Pump	heat kit first stage=W2
HP36	V/S Air Handler (AHV)	Single Stage Heat Pump	heat kit first stage=W1+W2
HP40	V/S Air Handler (AHV)	Single Stage Heat Pump	
HP13	Modulating Furnace	Two Stage Heat Pump (Hot HP)	
HP14	Modulating Furnace	Two Stage Heat Pump (Hot HP)	with Bonnet Sensor
HP15	Modulating Furnace	Two Stage Heat Pump	
HP16	Modulating Furnace	Two Stage Heat Pump	with Bonnet Sensor
HP17	Modulating Furnace	Single Stage Heat Pump (Hot HP)	
HP18	Modulating Furnace	Single Stage Heat Pump (Hot HP)	with Bonnet Sensor
HP19	Modulating Furnace	Single Stage Heat Pump	
HP20	Modulating Furnace	Single Stage Heat Pump	with Bonnet Sensor
AC19	Modulating Furnace	No OD Unit Installed	
AC1	Modulating Furnace	Single Stage AC (Conventional Wiring)	
AC5	Modulating Furnace	Two Stage AC (Conventional Wiring)	
AC2	Modulating Furnace	Single Stage AC	
AC8	Modulating Furnace	Two Stage AC	
AC20	V/S Air Handler	No OD Unit Installed	heat kit first stage=W1
AC21	V/S Air Handler	No OD Unit Installed	heat kit first stage=W2
AC22	V/S Air Handler	No OD Unit Installed	heat kit first stage=W1+W2
AC23	V/S Air Handler	No OD Unit Installed	
AC32	V/S Air Handler (AHV)	No OD Unit Installed	heat kit first stage=W1
AC33	V/S Air Handler (AHV)	No OD Unit Installed	heat kit first stage=W2
AC34	V/S Air Handler (AHV)	No OD Unit Installed	heat kit first stage=W1+W2

Number	Indoor Unit	Outdoor Unit	Special Application Note
AC35	V/S Air Handler (AHV)	No OD Unit Installed	
AC11	V/S Air Handler	Single Stage AC	heat kit first stage=W1
AC12	V/S Air Handler	Single Stage AC	heat kit first stage=W2
AC13	V/S Air Handler	Single Stage AC	heat kit first stage=W1+W2
AC17	V/S Air Handler	Single Stage AC	
AC14	V/S Air Handler	Two Stage AC	heat kit first stage=W1
AC15	V/S Air Handler	Two Stage AC	heat kit first stage=W2
AC16	V/S Air Handler	Two Stage AC	heat kit first stage=W1+W2
AC18	V/S Air Handler	Two Stage AC	
AC24	V/S Air Handler (AHV)	Single Stage AC	heat kit first stage=W1
AC25	V/S Air Handler (AHV)	Single Stage AC	heat kit first stage=W2
AC26	V/S Air Handler (AHV)	Single Stage AC	heat kit first stage=W1+W2
AC30	V/S Air Handler (AHV)	Single Stage AC	
AC27	V/S Air Handler (AHV)	Two Stage AC	heat kit first stage=W1
AC28	V/S Air Handler (AHV)	Two Stage AC	heat kit first stage=W2
AC29	V/S Air Handler (AHV)	Two Stage AC	heat kit first stage=W1+W2
AC31	V/S Air Handler (AHV)	Two Stage AC	
AUX39	ID Aux (AH with electric heat)	No OD Unit Installed	
AUX40	ID Aux (AH no heat)	No OD Unit Installed	
AUX1	ID Aux (AH with electric heat)	Two Stage AC (Conventional Wiring)	
AUX11	ID Aux (AH no heat)	Two Stage AC (Conventional Wiring)	
AUX12	ID Aux (AH with electric heat)	Single Stage AC (Conventional Wiring)	
AUX13	ID Aux (AH no heat)	Single Stage AC (Conventional Wiring)	
AUX2	ID Aux (AH with electric heat)	Two Stage AC	
AUX14	ID Aux (AH no heat)	Two Stage AC	
AUX15	ID Aux (AH with electric heat)	Single Stage AC	
AUX16	ID Aux (AH no heat)	Single Stage AC	
AUX17	ID Aux (AH with electric heat)	Two Stage Heat Pump (Hot HP)	
AUX18	ID Aux (AH no heat)	Two Stage Heat Pump (Hot HP)	
AUX19	ID Aux (AH with electric heat)	Two Stage Heat Pump	
AUX20	ID Aux (AH no heat)	Two Stage Heat Pump	
AUX21	ID Aux (AH with electric heat)	Single Stage Heat Pump (Hot HP)	
AUX22	ID Aux (AH no heat)	Single Stage Heat Pump (Hot HP)	
AUX23	ID Aux (AH with electric heat)	Single Stage Heat Pump	
AUX24	ID Aux (AH no heat)	Single Stage Heat Pump	
AUX35	ID Aux (AH with electric heat)	Demand Defrost Heat Pump	
AUX36	ID Aux (AH no heat)	Demand Defrost Heat Pump	
AUX41	ID Aux (Two Stage Furnace)	No OD Unit Installed	
AUX10	ID Aux (Two Stage Furnace)	Two Stage Heat Pump (Hot HP)	
AUX9	ID Aux (Two Stage Furnace)	Two Stage Heat Pump	
AUX8	ID Aux (Two Stage Furnace)	Single Stage Heat Pump (Hot HP)	
AUX7	ID Aux (Two Stage Furnace)	Single Stage Heat Pump	
AUX37	ID Aux (Two Stage Furnace)	Demand Defrost Heat Pump	
AUX25	ID Aux (Two Stage Furnace)	Single Stage AC (Conventional Wiring)	
AUX26	ID Aux (Two Stage Furnace)	Two Stage AC (Conventional Wiring)	
AUX5	ID Aux (Two Stage Furnace)	Single Stage AC	
AUX6	ID Aux (Two Stage Furnace)	Two Stage AC	
AUX42	ID Aux (Single Stage Furnace)	No OD Unit Installed	
AUX27	ID Aux (Single Stage Furnace)	Two Stage Heat Pump (Hot HP)	
AUX28	ID Aux (Single Stage Furnace)	Two Stage Heat Pump	
AUX29	ID Aux (Single Stage Furnace)	Single Stage Heat Pump (Hot HP)	
AUX30	ID Aux (Single Stage Furnace)	Single Stage Heat Pump	
AUX31	ID Aux (Single Stage Furnace)	Single Stage AC (Conventional Wiring)	
AUX32	ID Aux (Single Stage Furnace)	Two Stage AC (Conventional Wiring)	
AUX33	ID Aux (Single Stage Furnace)	Single Stage AC	
AUX34	ID Aux (Single Stage Furnace)	Two Stage AC	
AUX38	ID Aux (Single Stage Furnace)	Demand Defrost Heat Pump	

Notes:

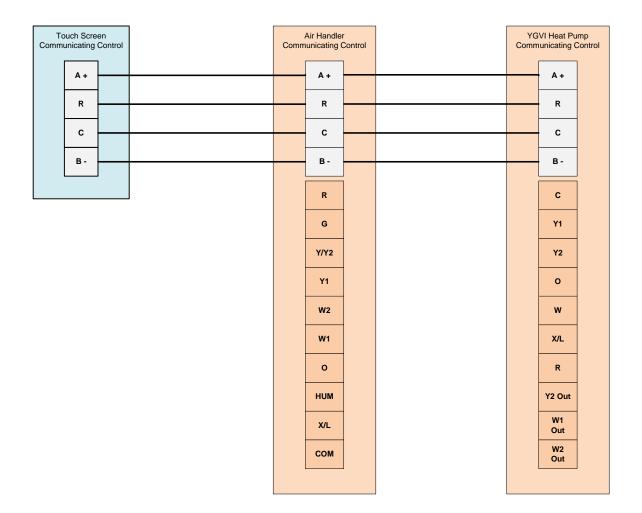
- a. Some diagram numbers may not be used (e.g. for obsolete controls or reserved for future use).
- b: "Hot HP" refers to the HP controls which allow higher discharge air temperatures than standard HP's.



Air Handler Heat Kit Staging: 1st stage=W1 2nd stage=W1+W2 Control Input Heat Relay Output

Z Stage=VVIIVZ	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

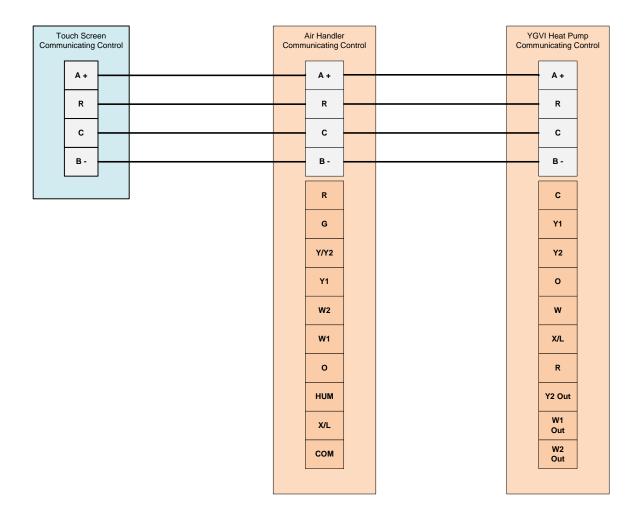
Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output

)	0-111112
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP



Air Handler Heat Kit Staging: 1st stage=W1+W2

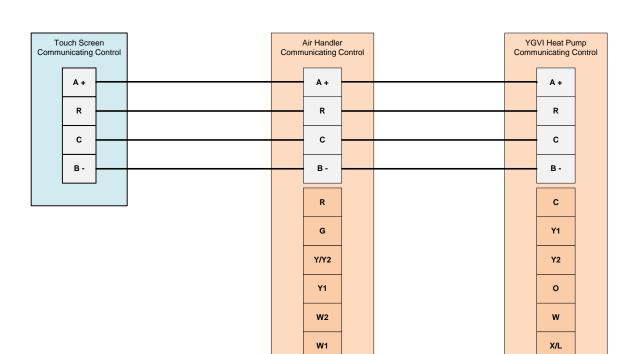
	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1. HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper

must be set to HEAT

Mode Jumper must be
set to HP

Hot Heat Pump Jumper must be set to ON



Hum Stat Jumper must be set to YES

0

HUM

COM

Heat-No Heat Jumper must be set to NO HEAT Mode Jumper must be

Same as HP1 but with no electric heat.

set to HP

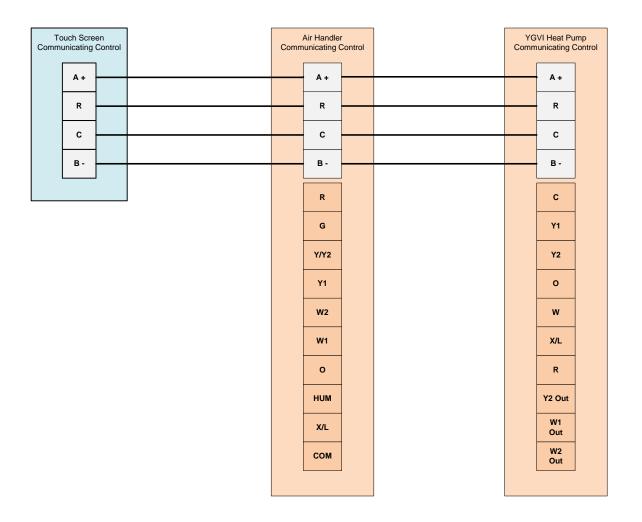
Hot Heat Pump Jumper must be set to ON

R

W1 Out W2

Out

V/S Air Handler - Two Stage Heat Pump

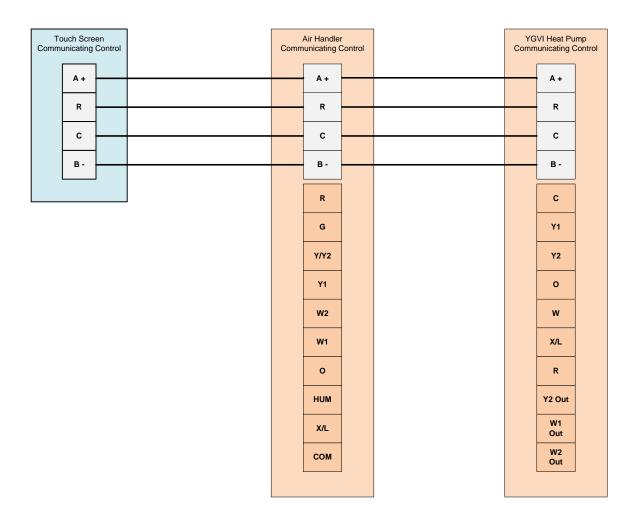


Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output

	2 stage=vv1+vv2	
	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1, HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP

V/S Air Handler - Two Stage Heat Pump

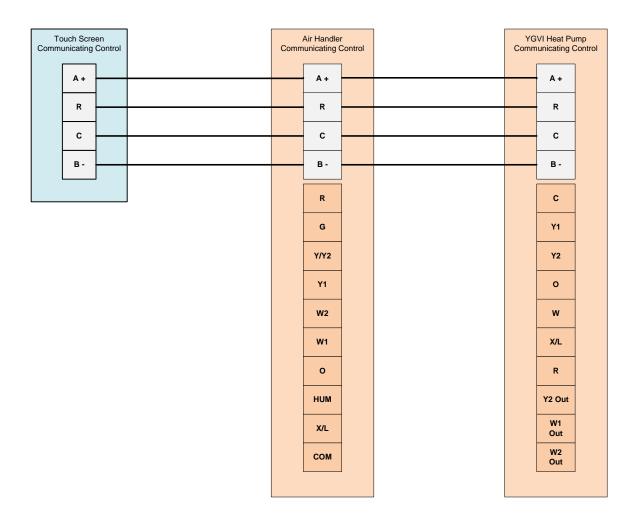


Air Handler Heat Kit Staging: 1st stage=W2 2nd stage=W1+W2

2 nd stage=VV1+VV2	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W/1 and W/2	HT1 HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP

V/S Air Handler - Two Stage Heat Pump

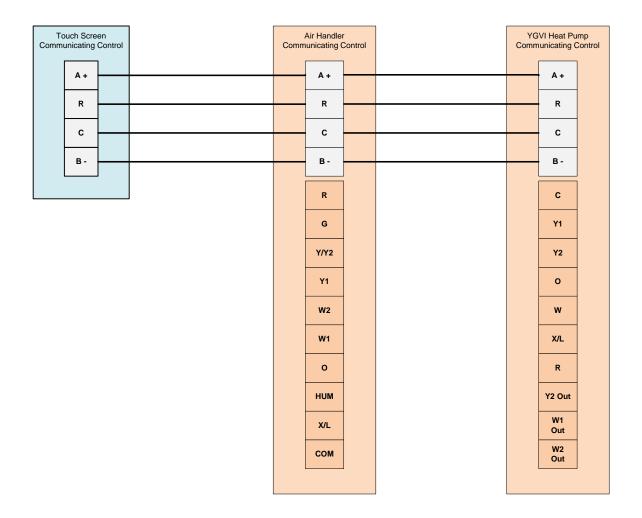


Air Handler Heat Kit Staging: 1st stage=W1+W2

	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1. HT2 and HT3

Hum Stat Jumper must be set to YES

Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP Hot Heat Pump Jumper must be set to OFF



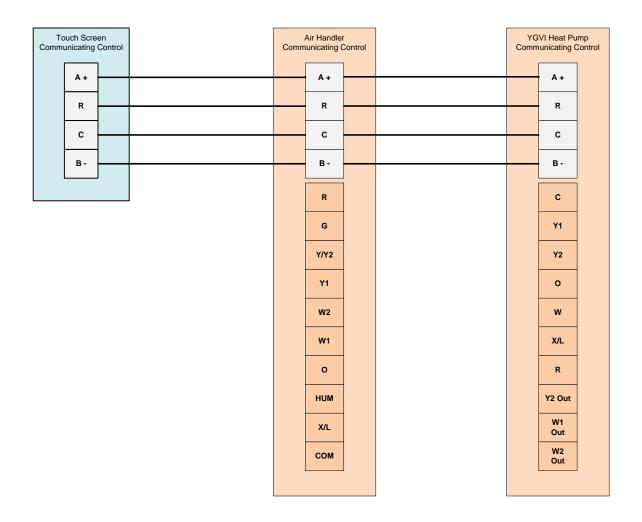
Hum Stat Jumper must be set to YES

Heat-No Heat Jumper must be set to NO HEAT

Mode Jumper must be set to HP

Same as HP4 but with no electric heat.

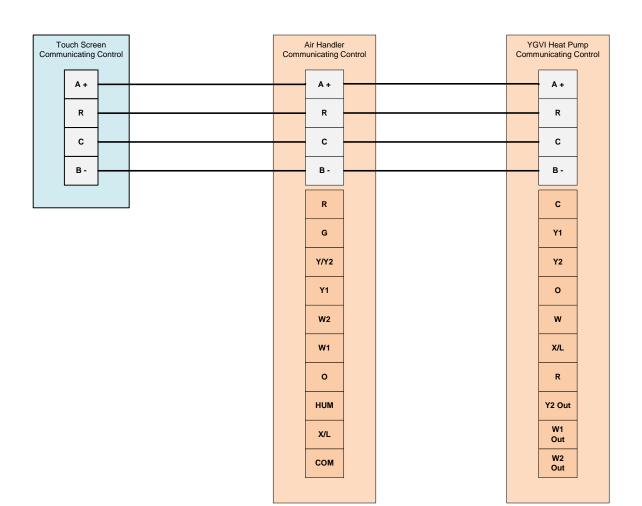
Hot Heat Pump Jumper must be set to OFF



Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output

2 Stage=WITW2	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

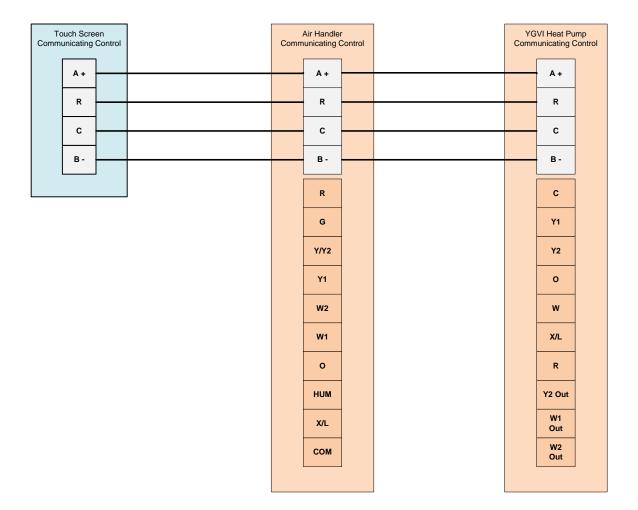
Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output

	2	0-111112
	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1, HT2 and HT3

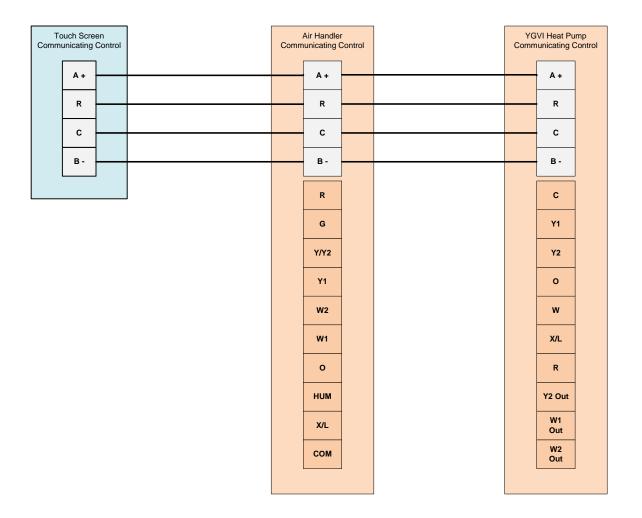
Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP



Air Handler Heat Kit Staging: 1st stage=W1+W2

	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1. HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP



Hum Stat Jumper must be set to YES

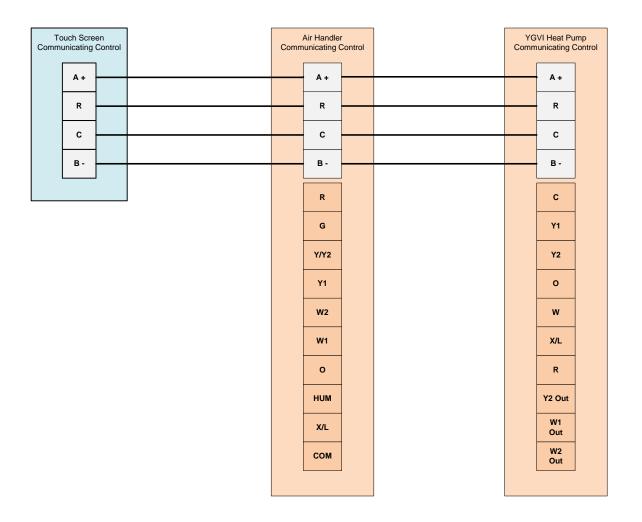
Heat-No Heat Jumper must be set to NO HEAT

Mode Jumper must be set to HP

Same as HP7 but with no electric heat.

Hot Heat Pump Jumper must be set to ON

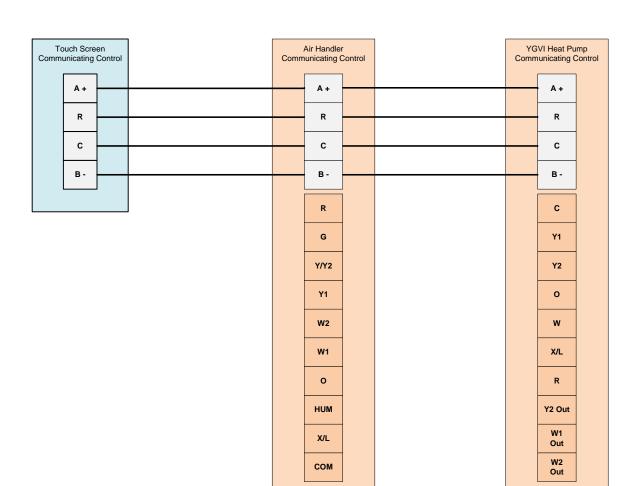
V/S Air Handler – Single Stage Heat Pump



Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output

2" stage=vv1+vv2	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
M/1 and M/2	UT1 UT2 and UT2

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP

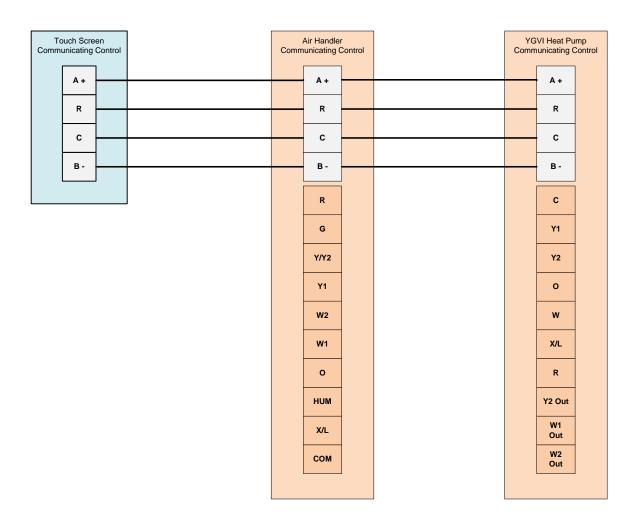


Air Handler Heat Kit Staging: 1st stage=W2 2nd stage=W1+W2 Control Input Heat Relay Output

2 stage=vv1+vv2	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
M/1 and M/2	UT1 UT2 and UT2

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP

V/S Air Handler – Single Stage Heat Pump

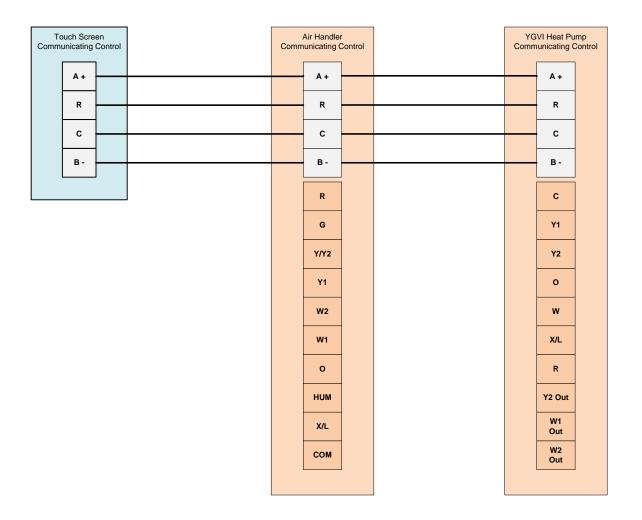


Air Handler Heat Kit Staging: 1st stage=W1+W2

	Control Input	Heat Relay Output
	W1	HT1
	W2	HT1 and HT2
	W1 and W2	HT1. HT2 and HT3

Hum Stat Jumper must be set to YES

Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to HP Hot Heat Pump Jumper must be set to OFF



Hum Stat Jumper must be set to YES Heat-No Heat Jumper

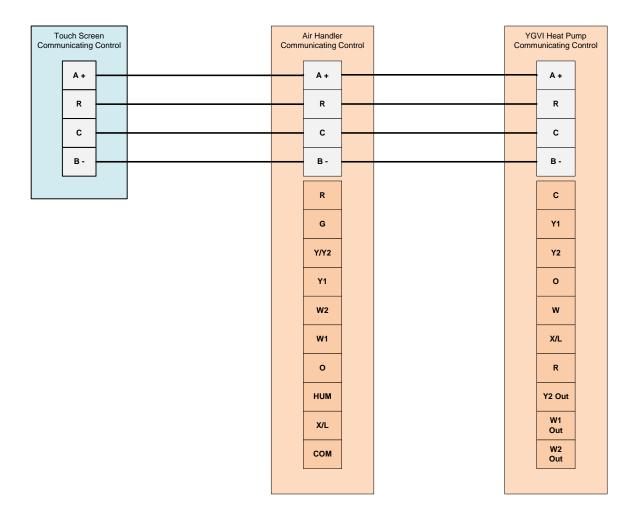
must be set to NO HEAT

Mode Jumper must be set to HP

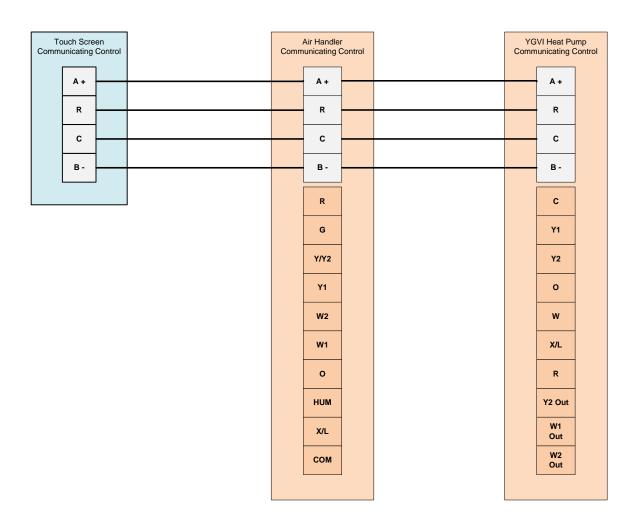
Same as HP10 but with no electric heat.

Hot Heat Pump Jumper must be set to OFF

HP 25 V/S Air Handler (AHV) – Two Stage Heat Pump (Hot HP)

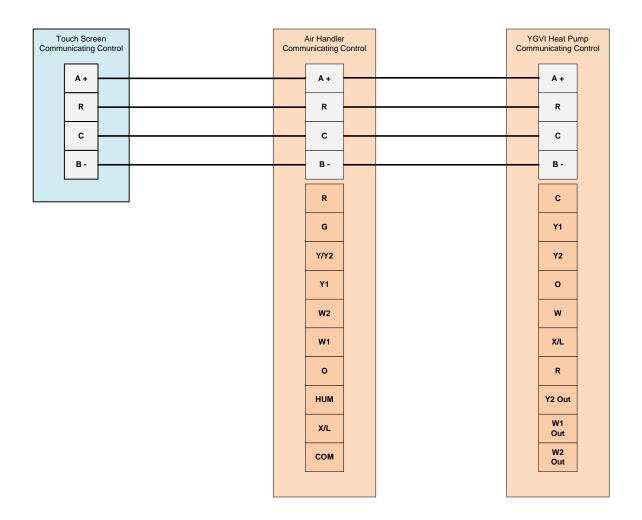


Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3



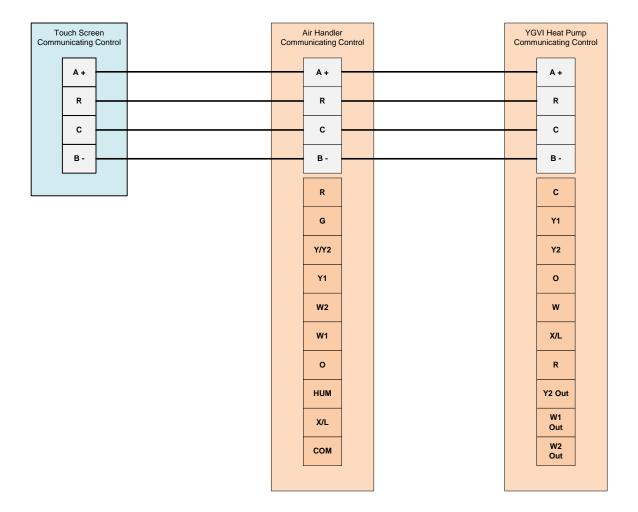
Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

HP 27 V/S Air Handler (AHV) – Two Stage Heat Pump (Hot HP)



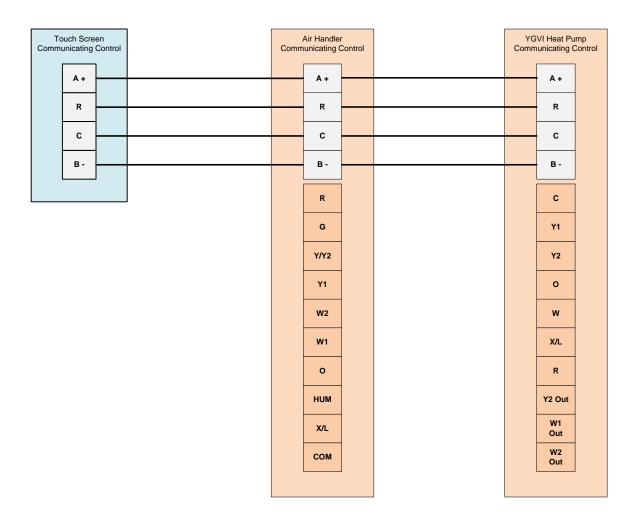
Air Handler Heat Kit
Staging:
1st stage=W1+W2

Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3



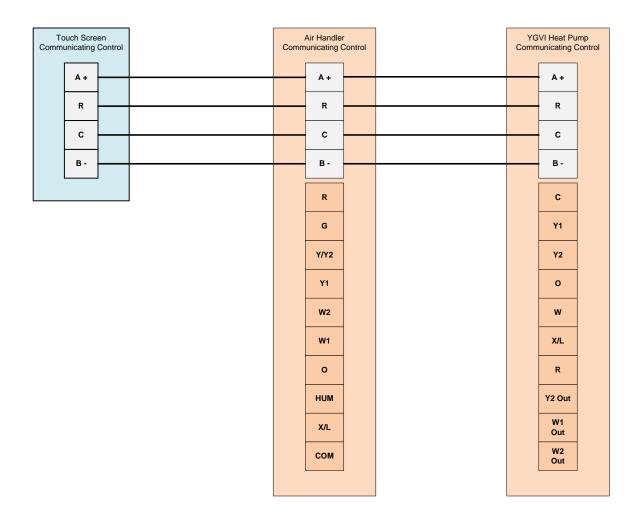
Same as HP25 but with no electric heat.

HP 28 V/S Air Handler (AHV) – Two Stage Heat Pump

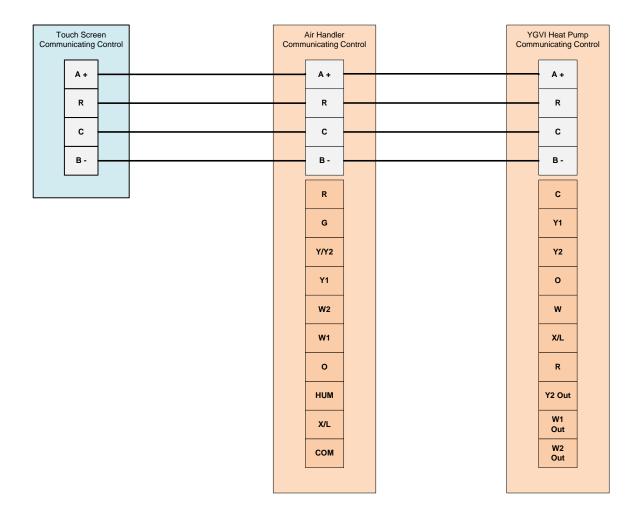


Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

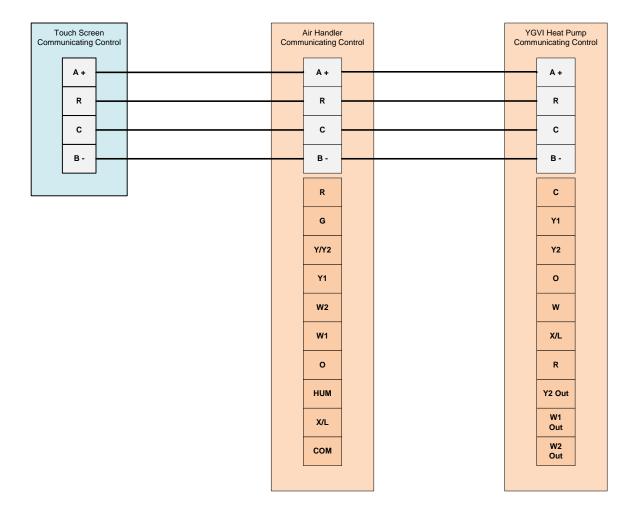
HP 29 V/S Air Handler (AHV) – Two Stage Heat Pump



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

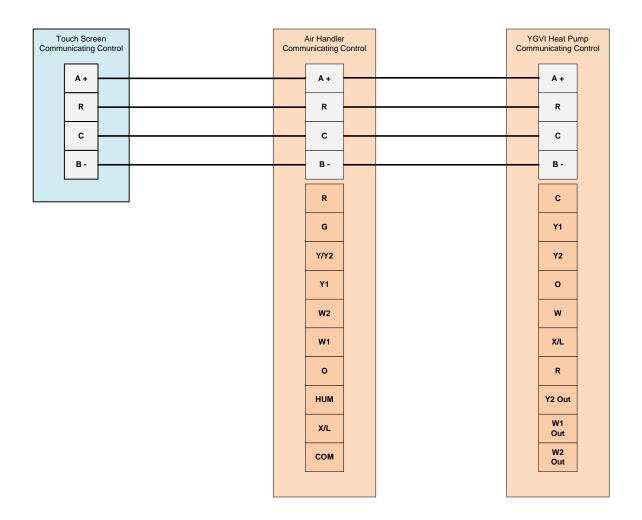


Air Handler Heat Kit Staging: 1 st stage=W1+W2	
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3



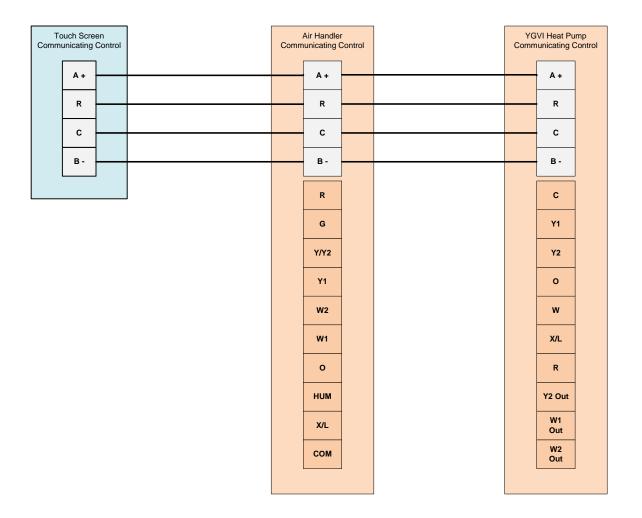
Same as HP28 but with no electric heat.

HP 31 V/S Air Handler (AHV) – Single Stage Heat Pump (Hot HP)



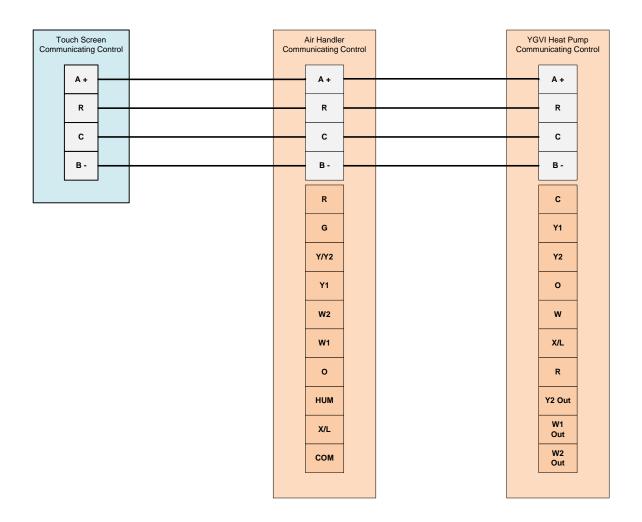
Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

HP 32 V/S Air Handler (AHV) – Single Stage Heat Pump (Hot HP)



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2

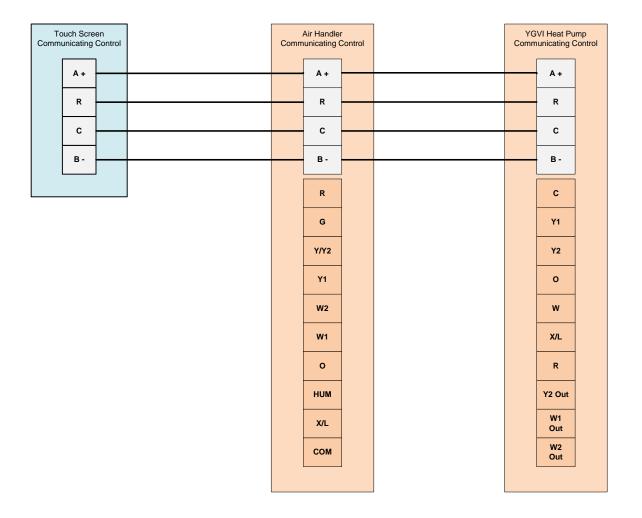
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3



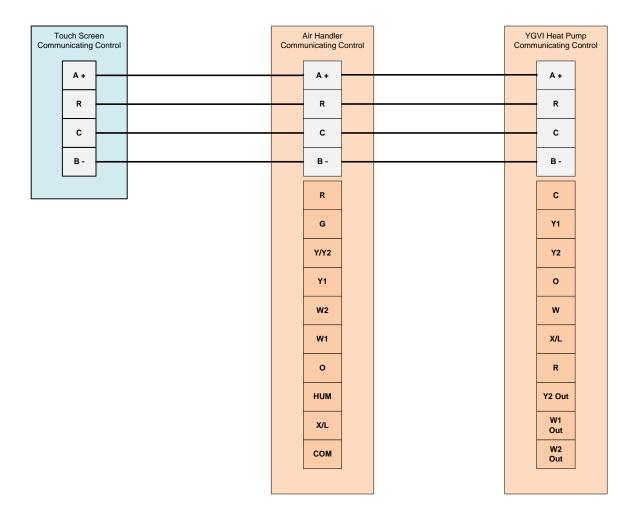
Air Handler Heat Kit Staging: 1st stage=W1+W2

Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

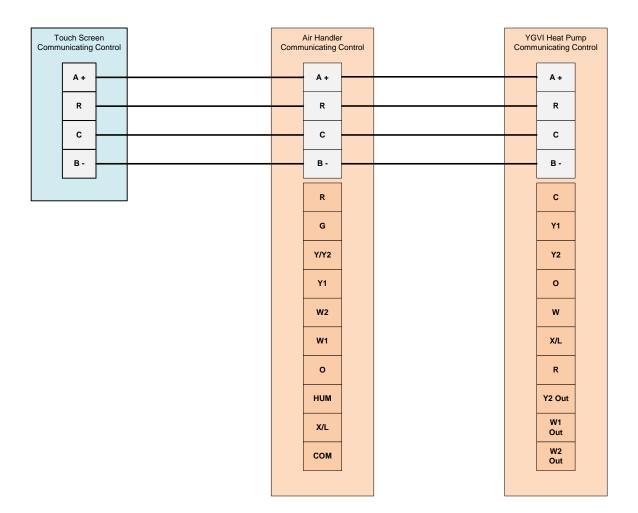
Hot Heat Pump Jumper must be set to ON



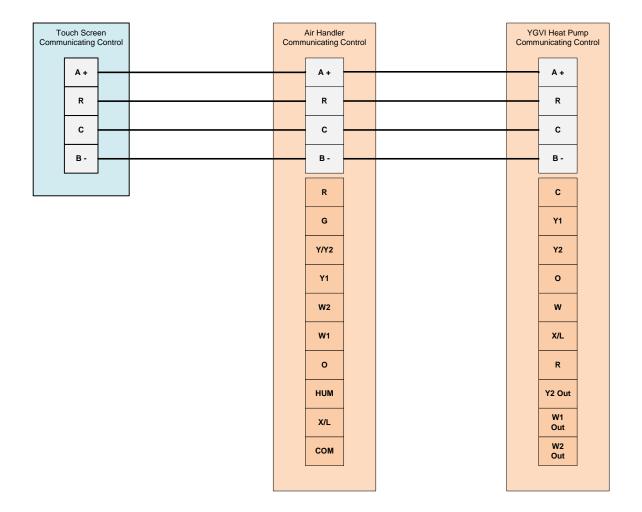
Same as HP31 but with no electric heat.



Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

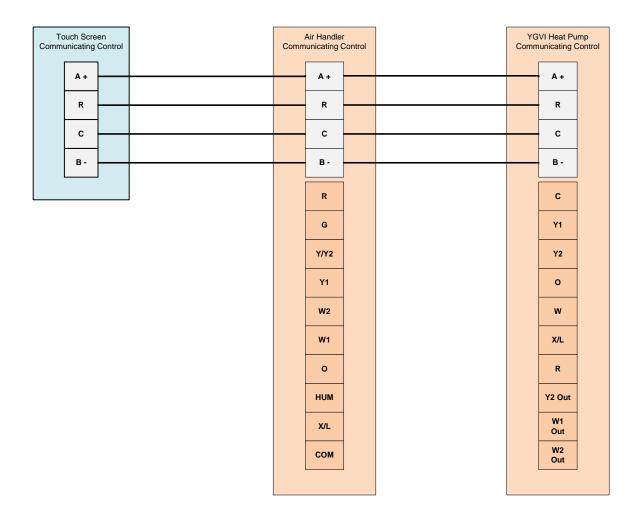


Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3



Air Handler Heat Kit Staging: 1 st stage=W1+W2		
Control Input	Heat Relay Output	
W1	HT1	
W2	HT1 and HT2	
W1 and W2	HT1, HT2 and HT3	

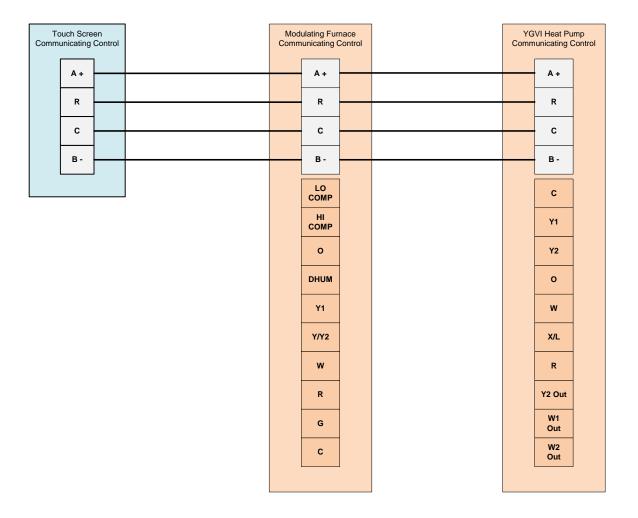
HP 40 V/S Air Handler (AHV) – Single Stage Heat Pump



Air Handler Heat Kit Staging: 1st stage=W1+W2

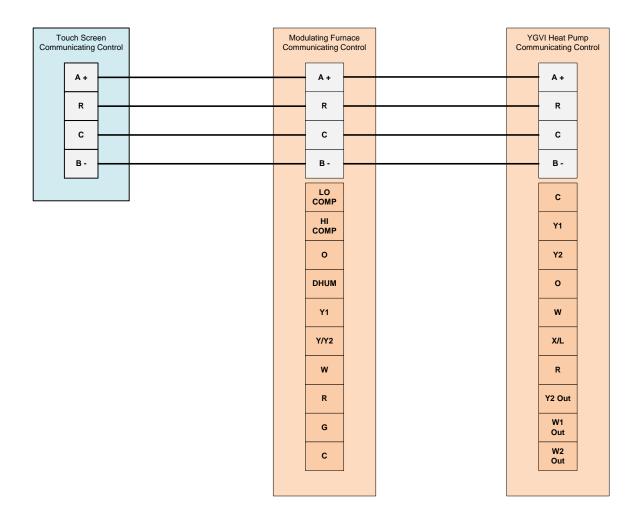
Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

Same as HP34 but with no electric heat.



Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to ON HP 14

Modulating Furnace – Two Stage Heat Pump (Hot HP)



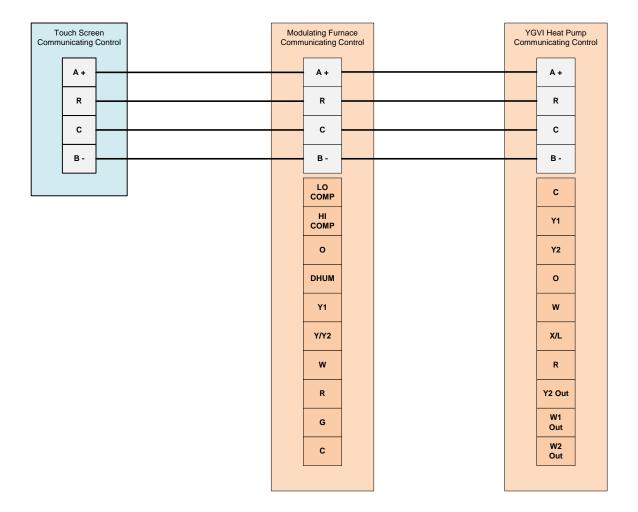
Required Items for Bonnet Sensor Functionality

Bonnet Sensor: S1-37309243000 Bonnet Sensor Connector: S1-02544078000 Heat Pump Jumper must be set to YES

Bonnet sensor must be connected to the A-coil temperature sensor of the furnace control.

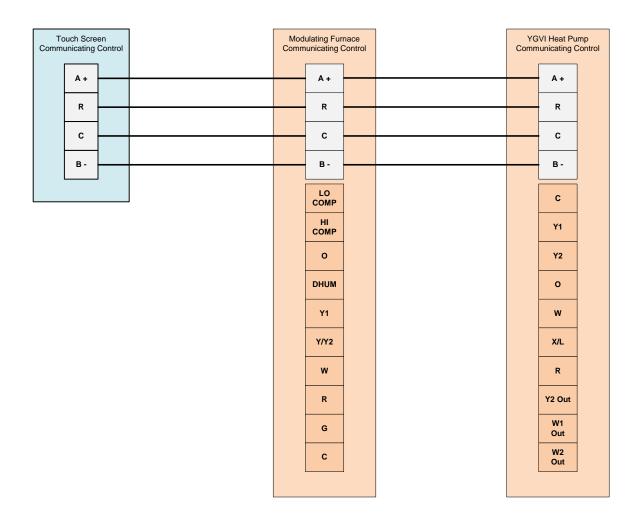
Hot Heat Pump Jumper must be set to ON

FFuel Jumper must be set to ON



Hot Heat Pump Jumper must be set to OFF FFuel Jumper must be set to ON HP 16

Modulating Furnace - Two Stage Heat Pump



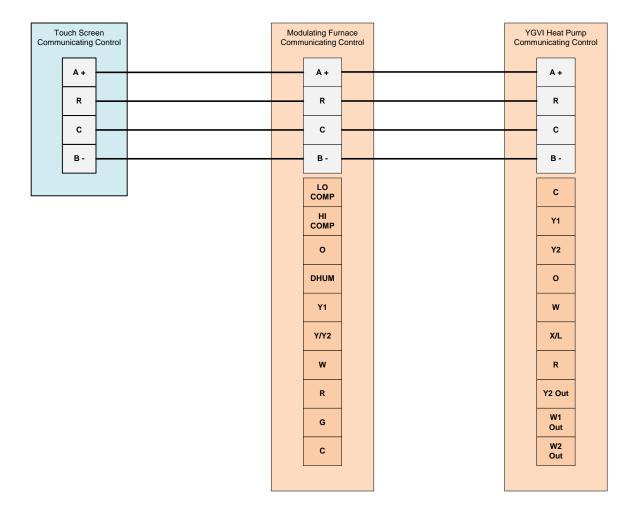
Required Items for Bonnet Sensor Functionality

Bonnet Sensor: S1-37309243000 Bonnet Sensor Connector: S1-02544078000 Heat Pump Jumper must be set to YES

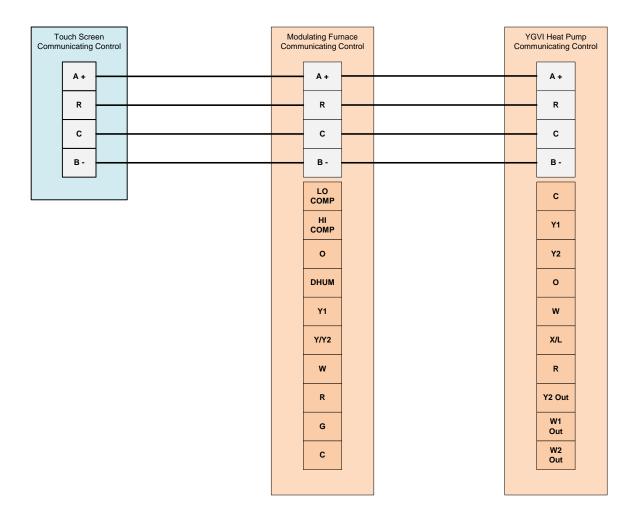
Bonnet sensor must be connected to the A-coil temperature sensor of the furnace control.

Hot Heat Pump Jumper must be set to OFF

FFuel Jumper must be set to ON



Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to ON



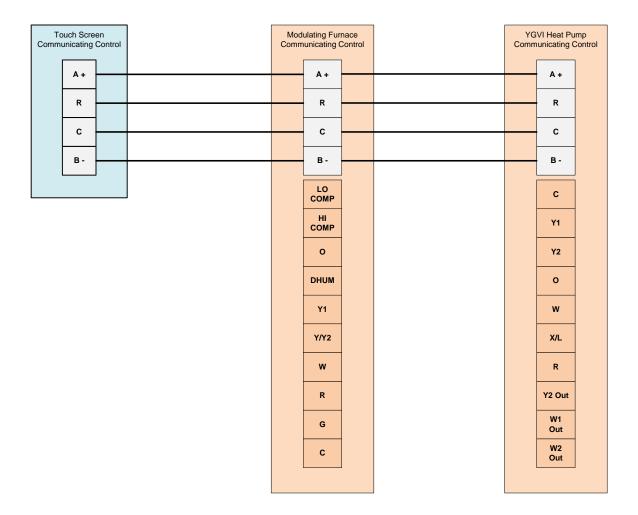
Required Items for Bonnet Sensor Functionality

Bonnet Sensor: S1-37309243000 Bonnet Sensor Connector: S1-02544078000 Heat Pump Jumper must be set to YES

Bonnet sensor must be connected to the A-coil temperature sensor of the furnace control.

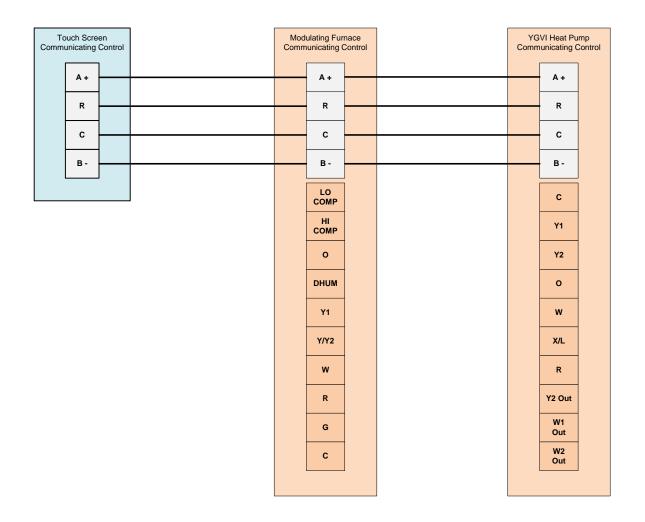
Hot Heat Pump Jumper must be set to ON

FFuel Jumper must be set to ON



Hot Heat Pump Jumper must be set to OFF FFuel Jumper must be set to ON HP 20

Modulating Furnace - Single Stage Heat Pump



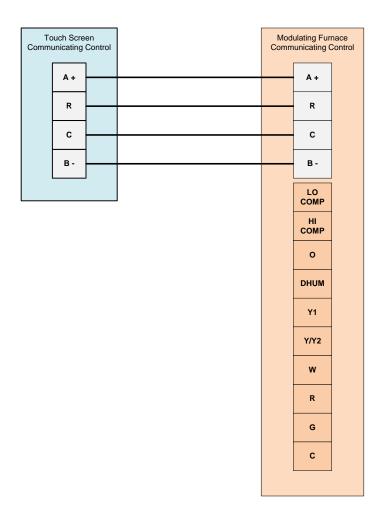
Required Items for Bonnet Sensor Functionality Bonnet Sensor:

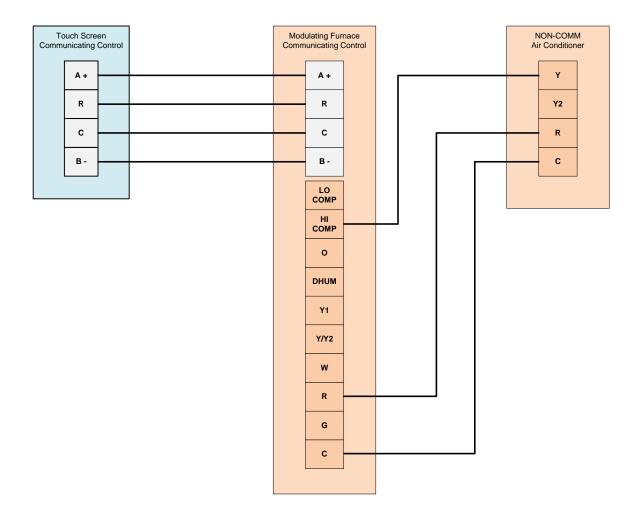
Bonnet Sensor: S1-37309243000 Bonnet Sensor Connector: S1-02544078000 Heat Pump Jumper must be set to YES

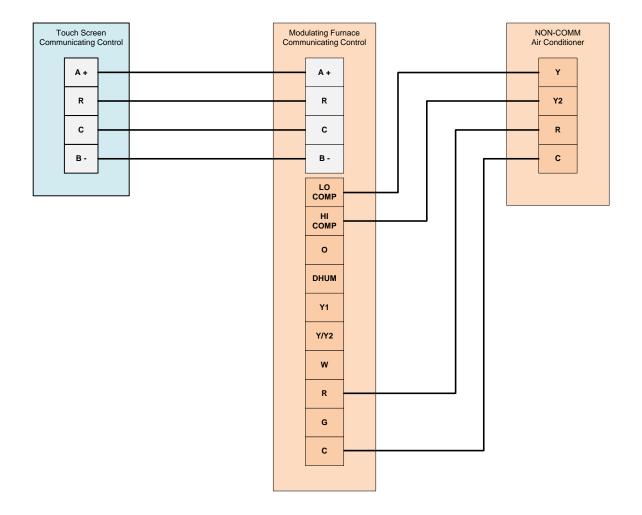
Bonnet sensor must be connected to the A-coil temperature sensor of the furnace control.

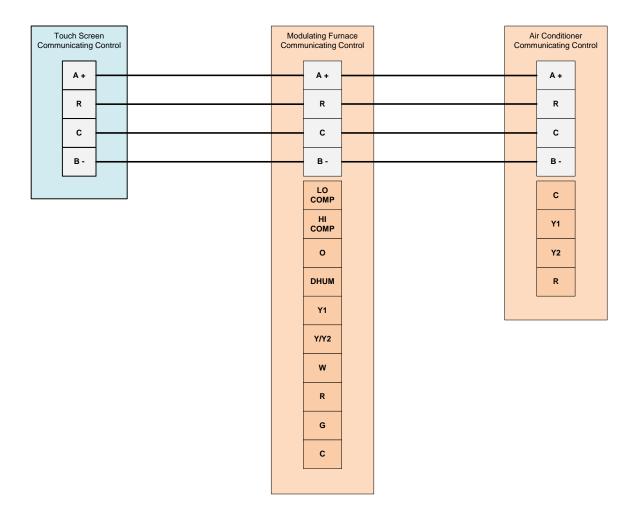
Hot Heat Pump Jumper must be set to OFF

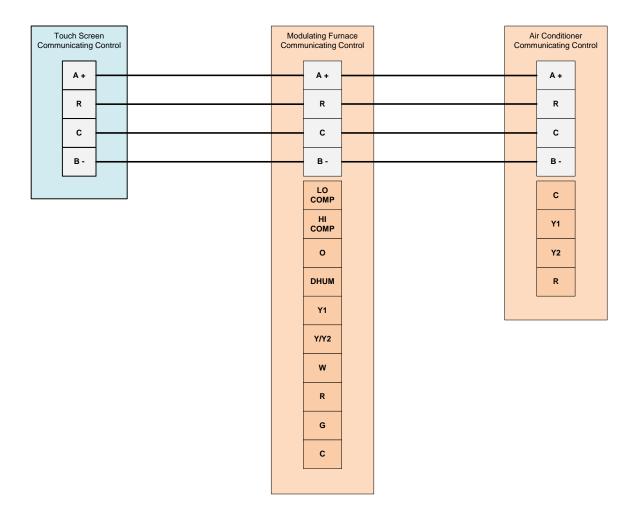
FFuel Jumper must be set to ON

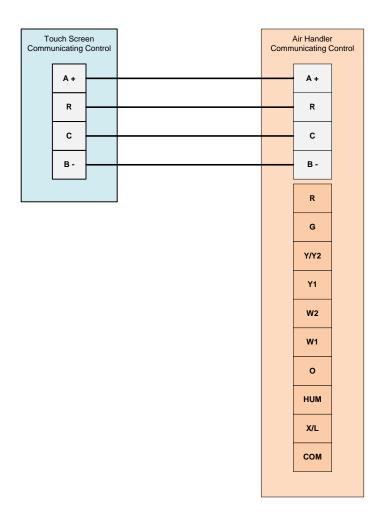










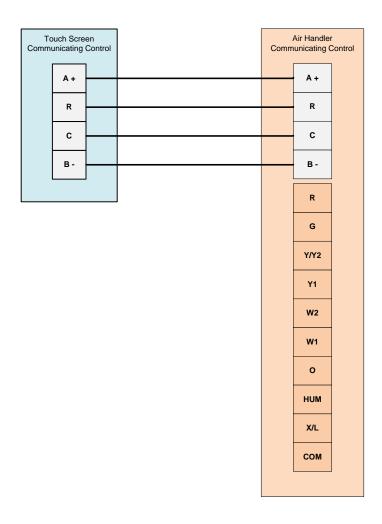


Air Handler Heat Kit
Staging:
1st stage=W1
2nd stage=W1+W2
Control Input Heat Relay Output

2" stage=VV1+VV2				
	Control Input	Heat Relay Output		
	W1	HT1		
	W2	HT1 and HT2		
	W1 and W2	HT1 HT2 and HT3		

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be

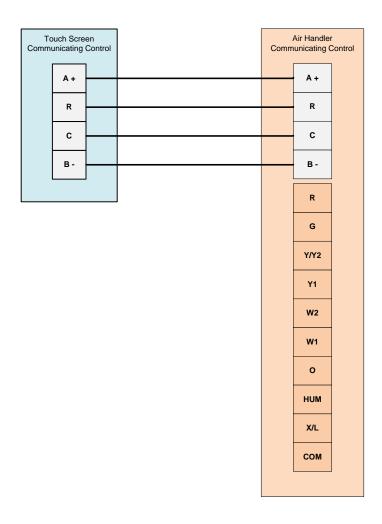
set to A/C



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output

	2" stage=VV1+VV2				
(Control Input	Heat Relay Output			
١	W1	HT1			
١	W2	HT1 and HT2			
\	W1 and W/2	HT1 HT2 and HT3			

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C

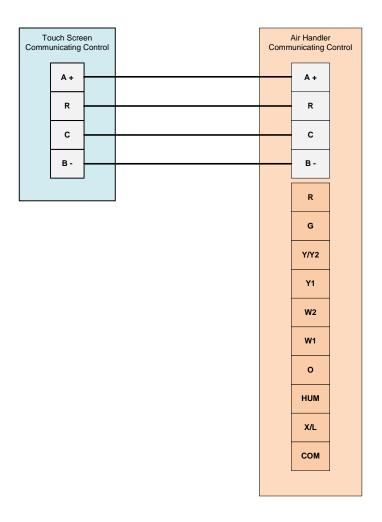


Air Handler Heat Kit Staging: 1st stage=W1+W2

Control Input	Heat Relay Output
W1	HT1
W2	HT1 and HT2
W1 and W2	HT1, HT2 and HT3

Hum Stat Jumper must be set to YES

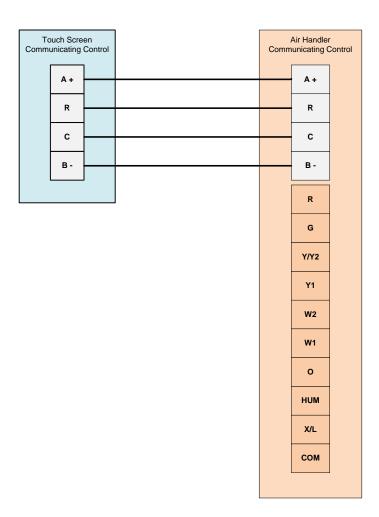
Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C



Hum Stat Jumper must be set to YES

Heat-No Heat Jumper must be set to NO HEAT Mode Jumper must be set to A/C

Same as AC20 but with no electric heat.

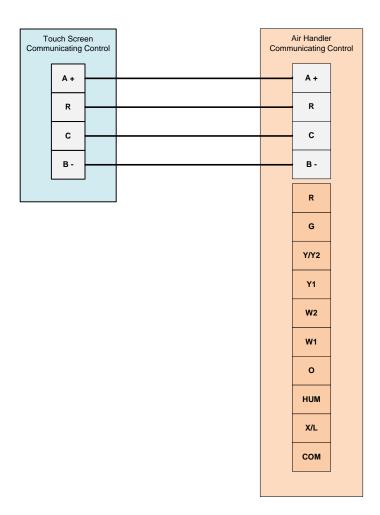


Air Handler Heat Kit
Staging:

1st stage=W1

2nd stage=W1+W2

Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

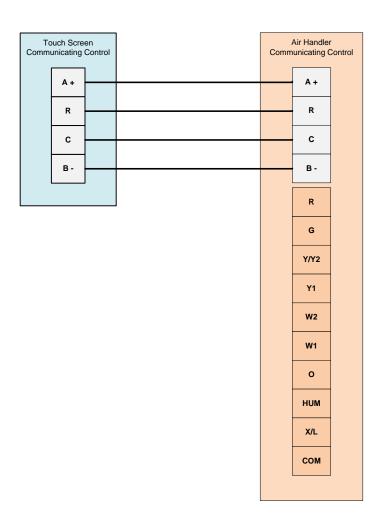


Air Handler Heat Kit Staging:

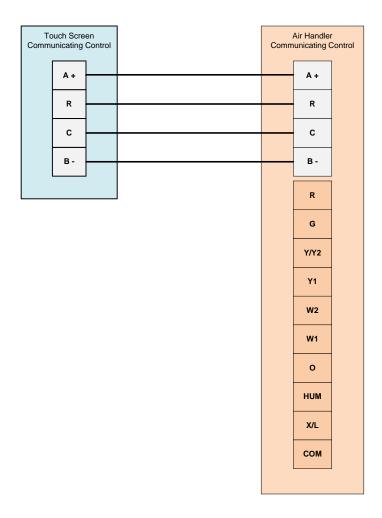
1st stage=W2

2nd stage=W1+W2

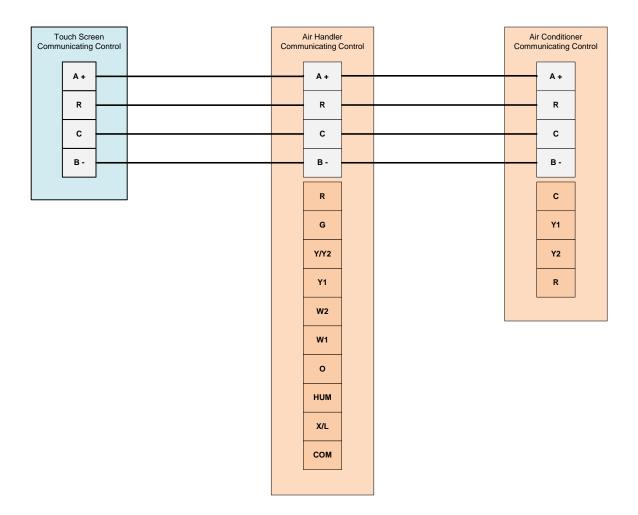
Control Input Heat Relay Output HT1 HT1 and HT2 HT1, HT2 and HT3



Air Handler Heat Kit Staging: 1st stage=W1+W2 Control Input Heat Relay Output HT1 HT1 and HT2 HT1, HT2 and HT3

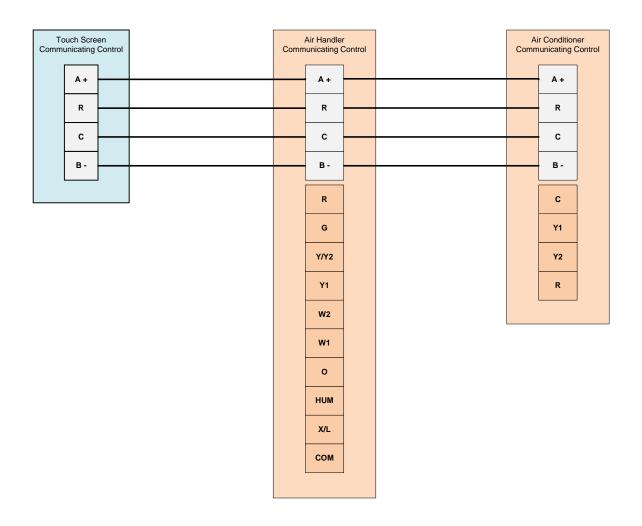


Same as AC32 but with no electric heat.



Air Handler Heat Kit Staging: 1st stage=W1 2nd stage=W1+W2 Control Input Heat Relay Output

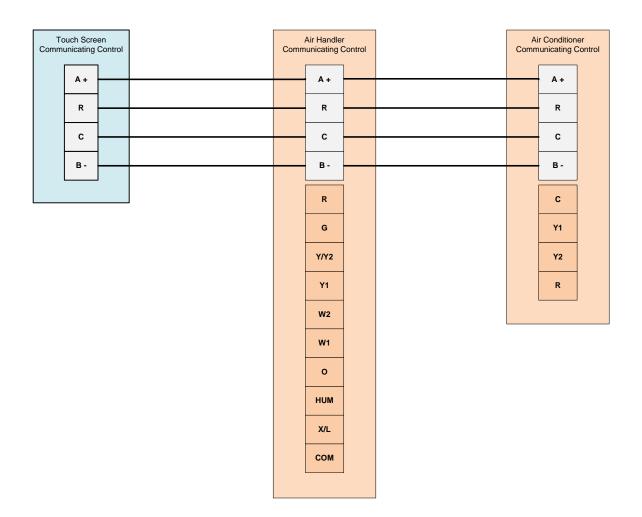
HT1 HT1 and HT2 HT1, HT2 and HT3 Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C



Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output

2 rd stage=VV1+VV2				
Control Input	Heat Relay Output			
W1	HT1			
W2	HT1 and HT2			
W/1 and W/2	HT1 HT2 and HT3			

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C AC 13 V/S Air Handler – Single Stage AC

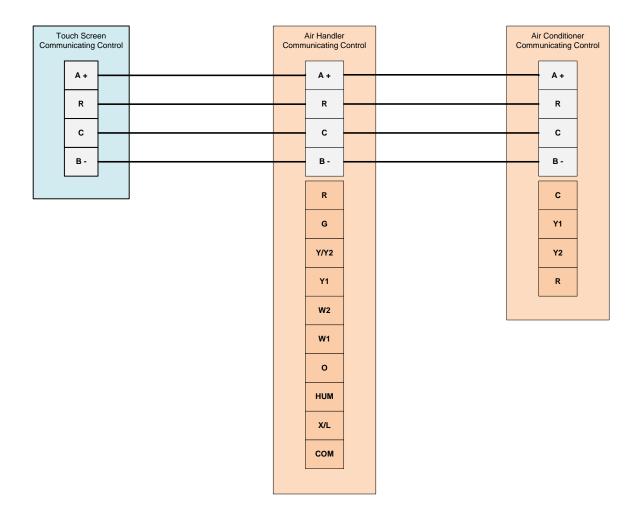


Air Handler Heat Kit Staging: 1st stage=W1+W2

	Control Input	Heat Relay Outpu		
	W1	HT1		
	W2	HT1 and HT2		
	W1 and W2	HT1, HT2 and HT3		

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT

Mode Jumper must be set to A/C



Hum Stat Jumper must be set to YES Heat-No Heat Jumper

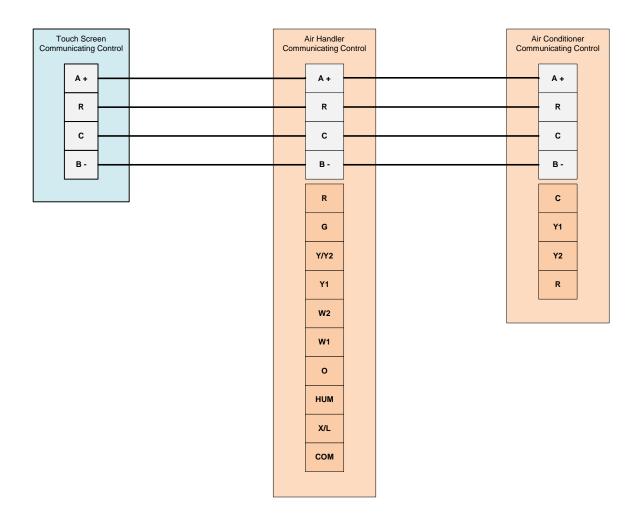
must be set to NO HEAT

Mode Jumper must be
set to AC

Same as AC11 but with no electric heat.

AC 14

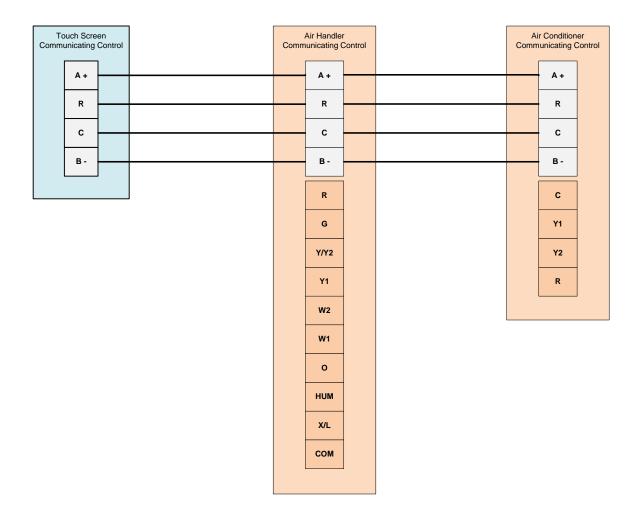
V/S Air Handler – Two Stage AC



Air Handler Heat Kit Staging: 1st stage=W1

2 nd stage=VV1+VV2				
Control Input	Heat Relay Output			
W1	HT1			
W2	HT1 and HT2			
W1 and W2	HT1 HT2 and HT3			

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C

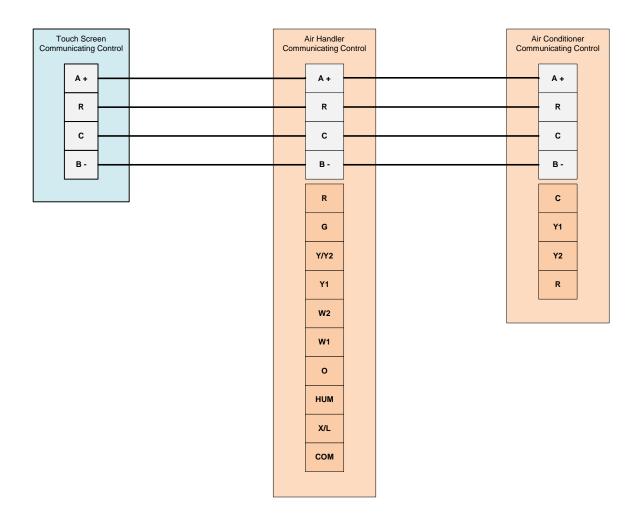


Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output

2 olago IIII II					
Control Input	Heat Relay Output				
W1	HT1				
W2	HT1 and HT2				
W1 and W2	HT1. HT2 and HT3				

Hum Stat Jumper must be set to YES Heat-No Heat Jumper must be set to HEAT Mode Jumper must be set to A/C AC 16

V/S Air Handler - Two Stage AC



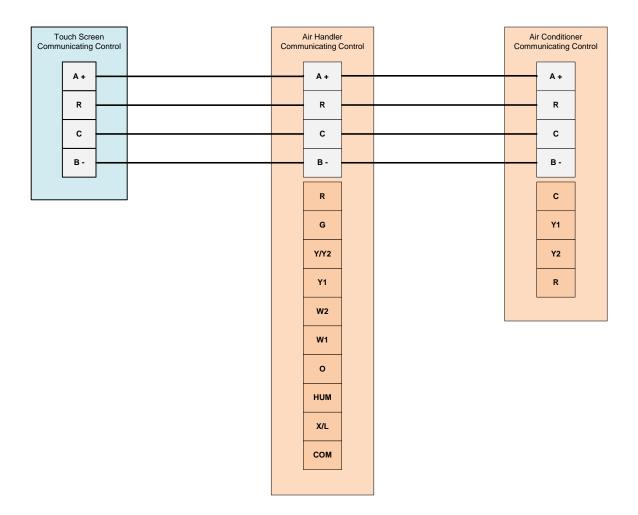
Air Handler Heat Kit Staging: 1st stage=W1+W2

Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

Hum Stat Jumper must be set to YES Heat-No Heat Jumper

must be set to HEAT

Mode Jumper must be set to A/C



Hum Stat Jumper must be set to YES

Heat-No Heat Jumper must be set to NO HEAT

Mode Jumper must be set to AC

Same as AC14 but with no electric heat.

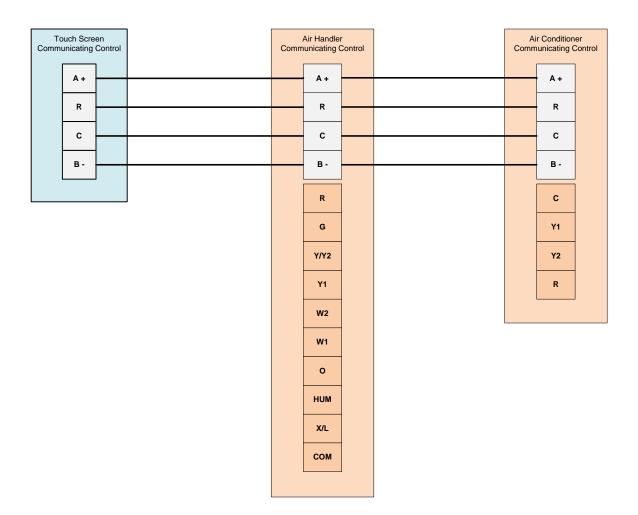
Touch Screen Communicating Control	Air Commun	r Handler nicating Co	ontrol	Ai Comm	r Condition unicating (er Control
A+		A +			A +	
R		R			R	
С		С			С	
В-		В-			В-	
		R			С	
		G			Y1	
		Y/Y2			Y2	
		Y1			R	
		W2				
		W1				
		0				
		HUM				
		X/L				
		СОМ				

Air Handler Heat Kit Staging:

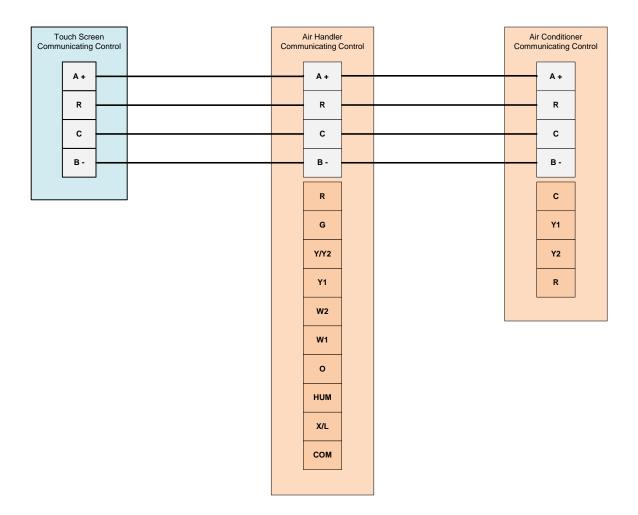
1st stage=W1

2nd stage=W1+W2

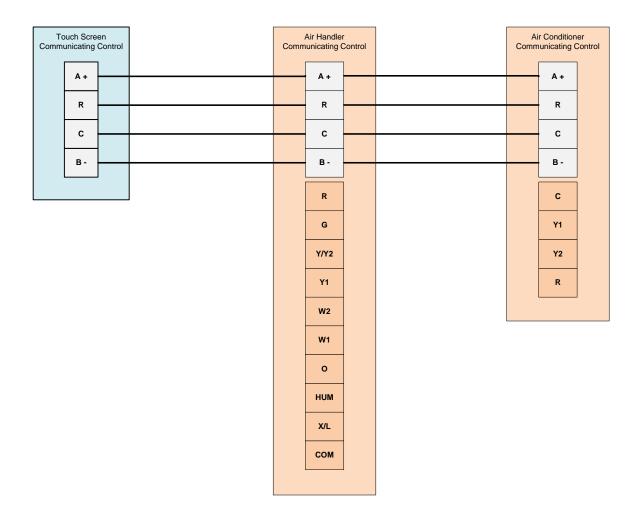
Control Input Heat Relay Output
W1 HT1 HT1 and HT2 HT1, HT2 and HT3



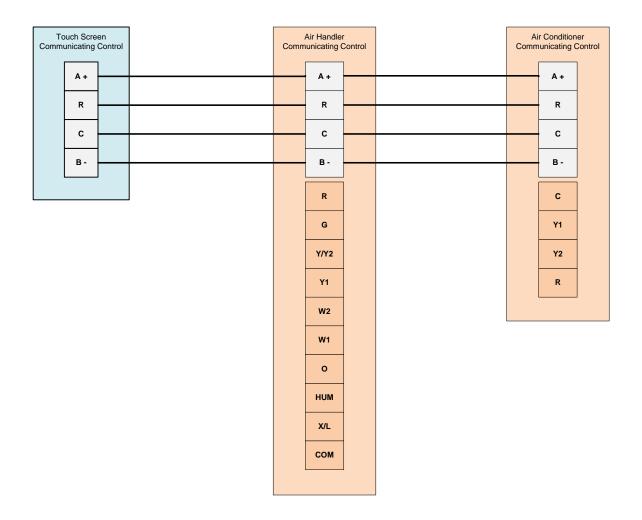
Air Handler Heat Kit
Staging:
1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3



Air Handler Heat Kit Staging: 1 st stage=W1+W2				
Control Input	Heat Relay Output			
W1 HT1				
W2	HT1 and HT2			
W1 and W2	HT1, HT2 and HT3			



Same as AC24 but with no electric heat.

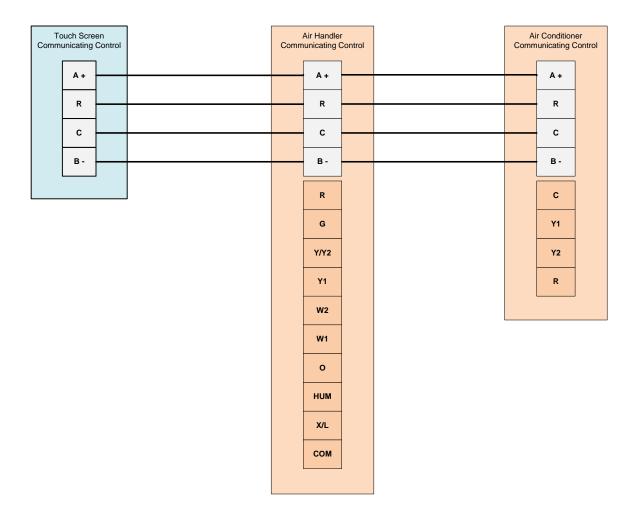


Air Handler Heat Kit Staging:

1st stage=W1

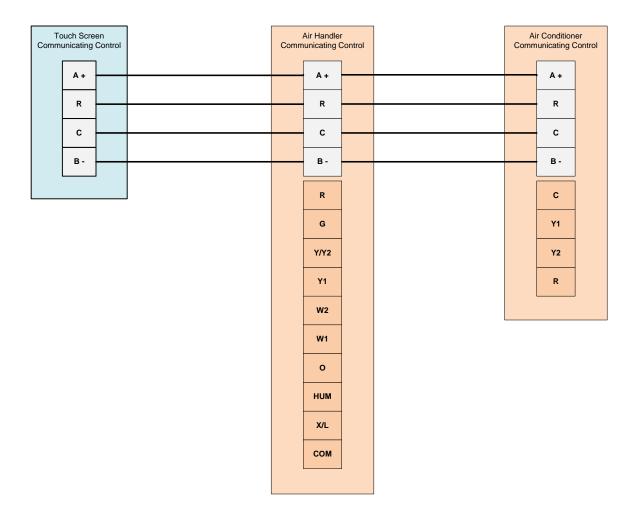
2nd stage=W1+W2

Control Input Heat Relay Output HT1 HT1 and HT2 HT1, HT2 and HT3

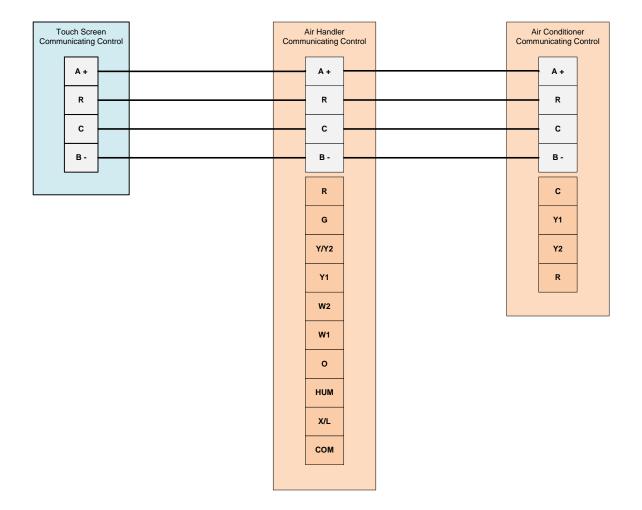


Air Handler Heat Kit
Staging:

1st stage=W2
2nd stage=W1+W2
Control Input Heat Relay Output
W1 HT1
W2 HT1 and HT2
W1 and W2 HT1, HT2 and HT3

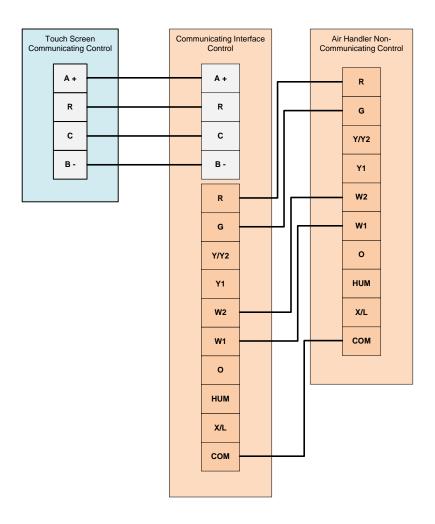


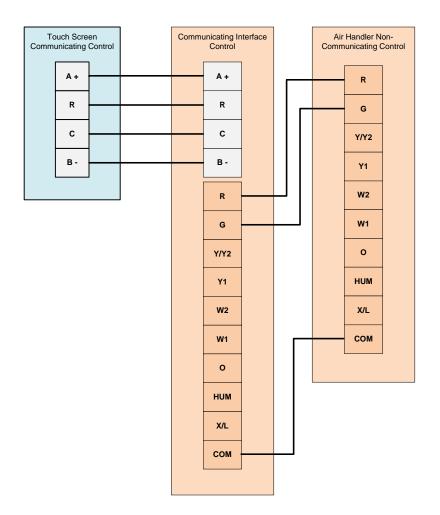
Air Handler Heat Kit Staging: 1 st stage=W1+W2				
Control Input	Heat Relay Output			
W1 HT1				
W2	HT1 and HT2			
W1 and W2	HT1, HT2 and HT3			



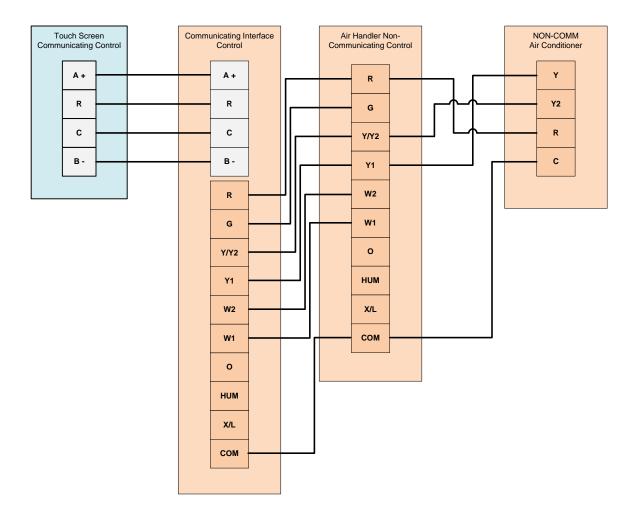
Same as AC31 but with no electric heat.

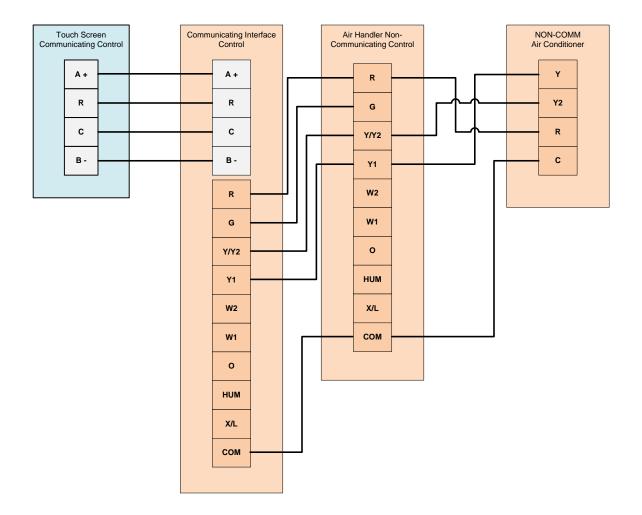
ID Aux (AH with electric heat) - No OD Unit Installed



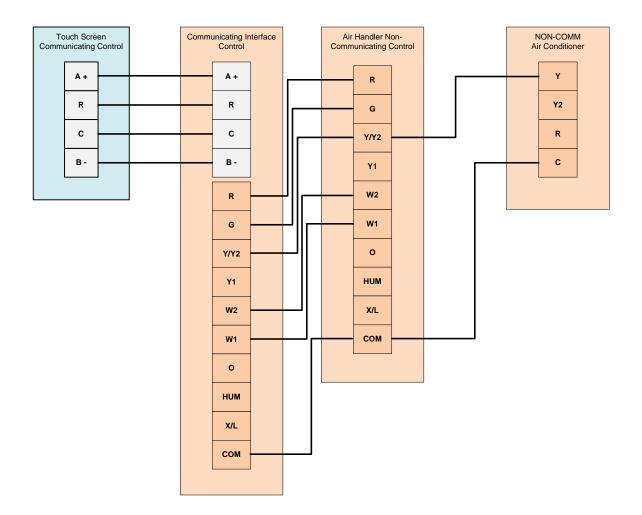


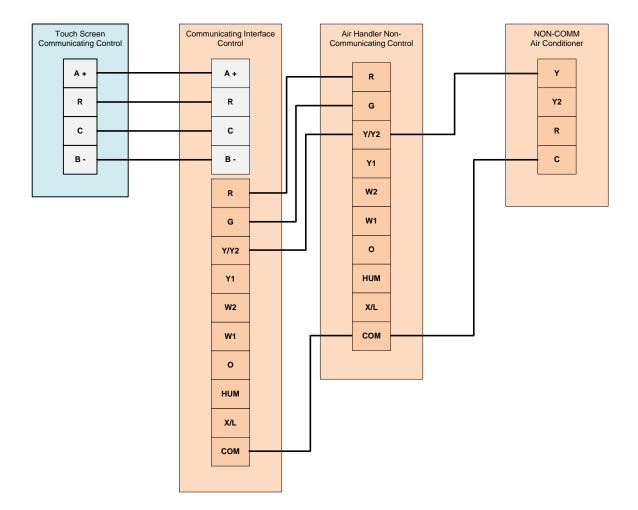
Same as AUX39 except with no electric heat.



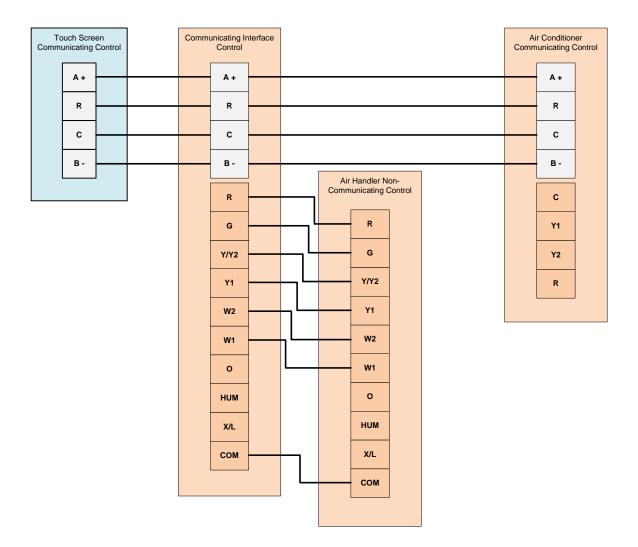


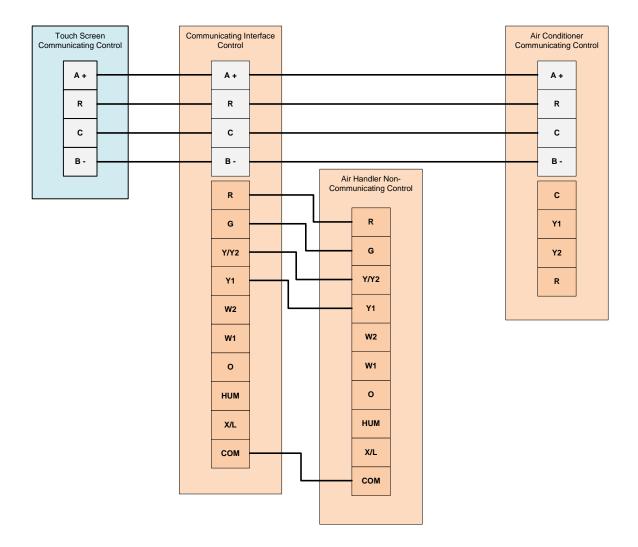
Same as AUX1 except with no electric heat.



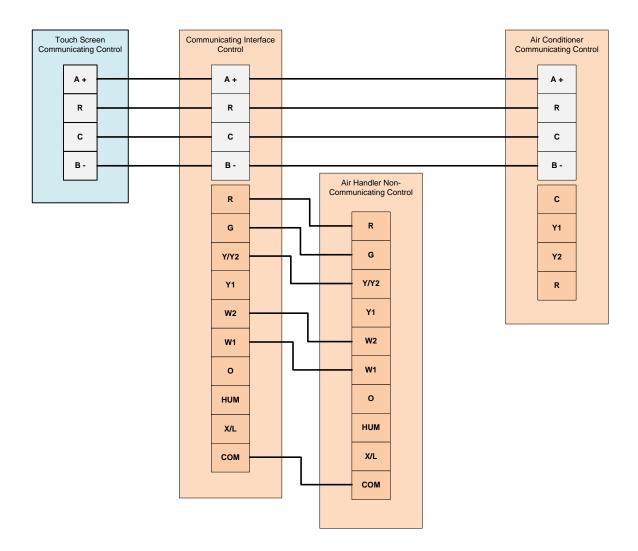


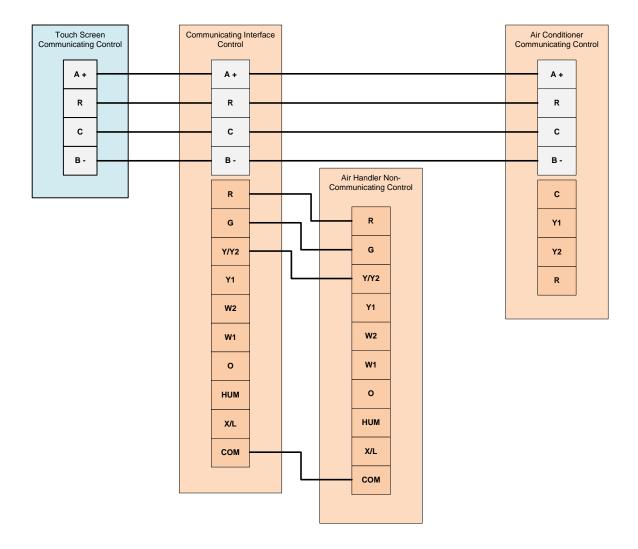
Same as AUX12 except with no electric heat.



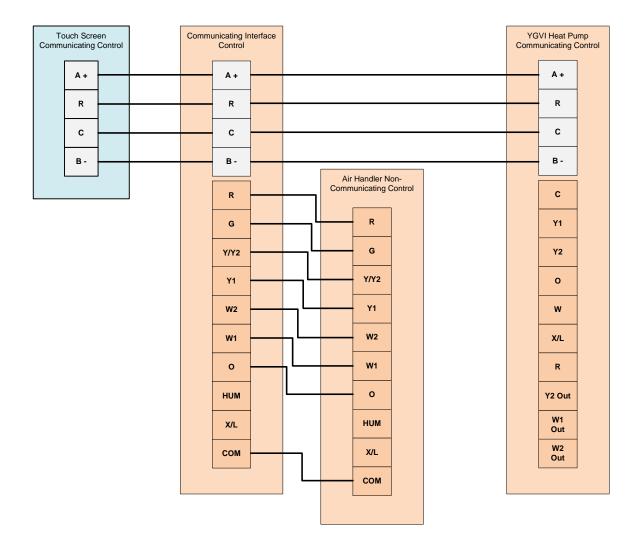


Same as AUX2 except with no electric heat.

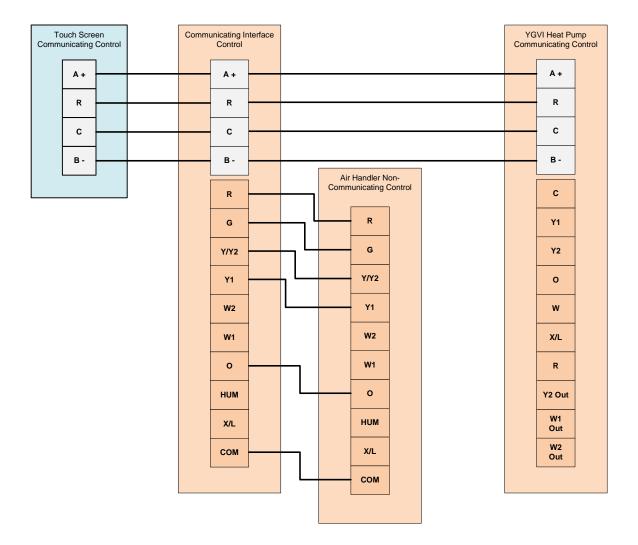




Same as AUX15 except with no electric heat.

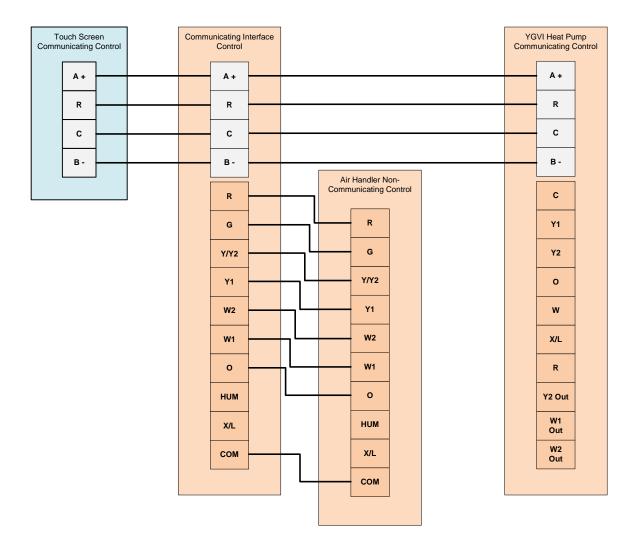


Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to OFF



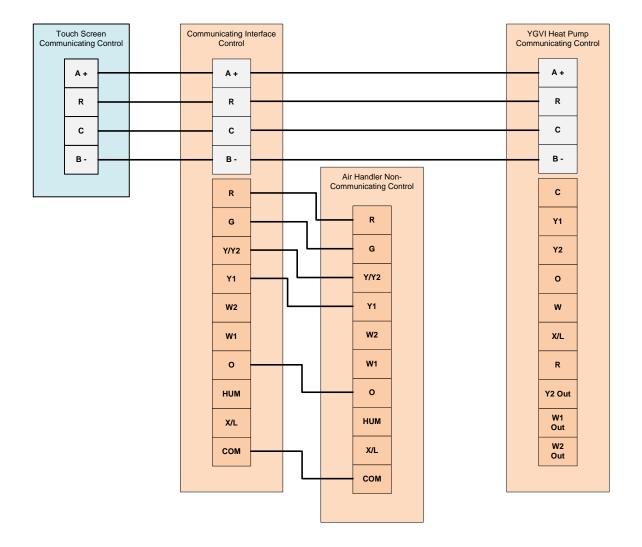
Same as AUX17 except with no electric heat.

Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to OFF



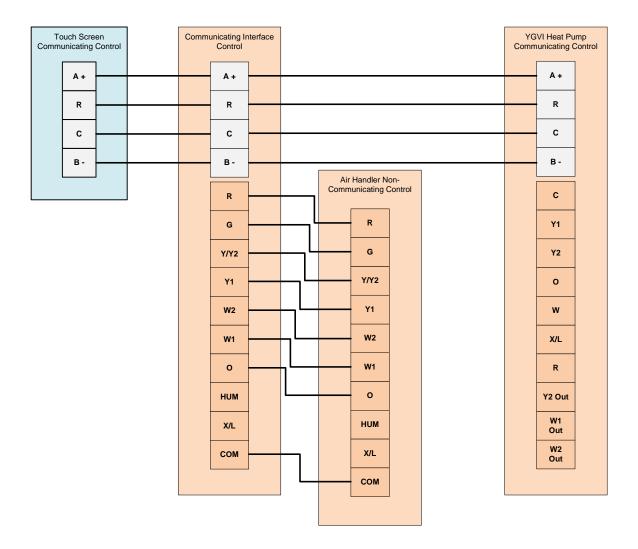
Hot Heat Pump Jumper must be set to OFF

FFuel Jumper must be set to OFF

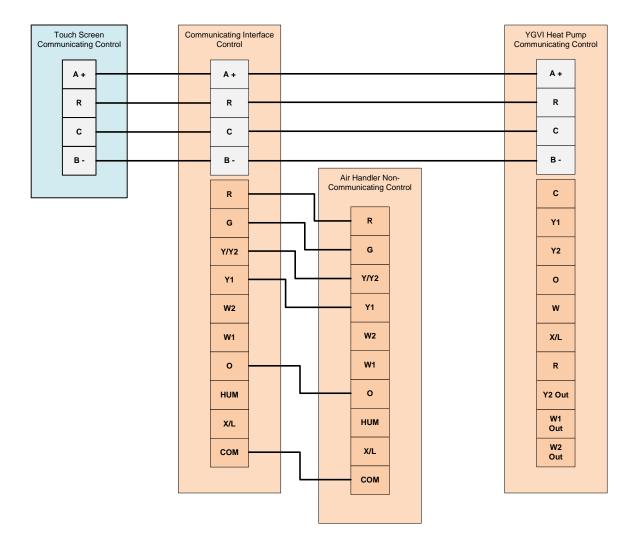


Same as AUX19 except with no electric heat.

Hot Heat Pump Jumper must be set to OFF FFuel Jumper must be set to OFF

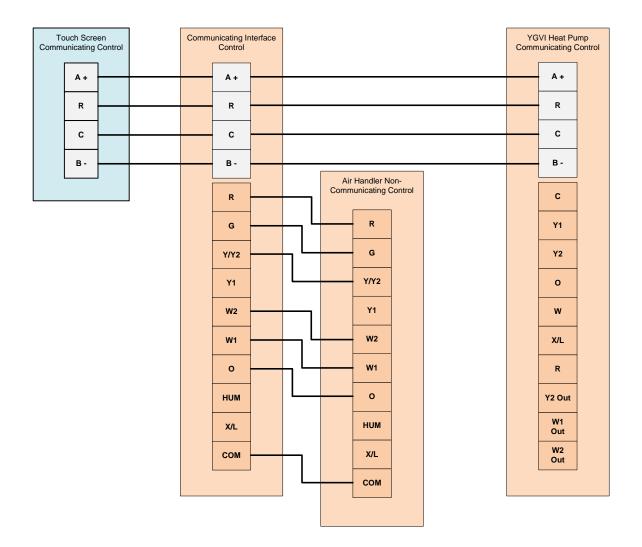


Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to OFF



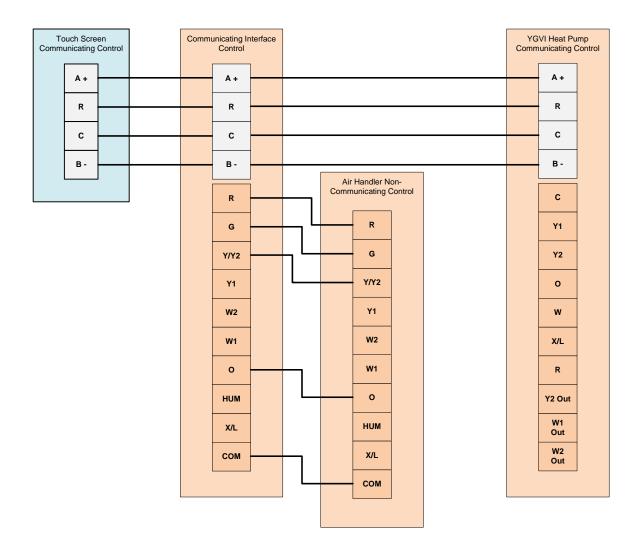
Same as AUX21 except with no electric heat.

Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to OFF



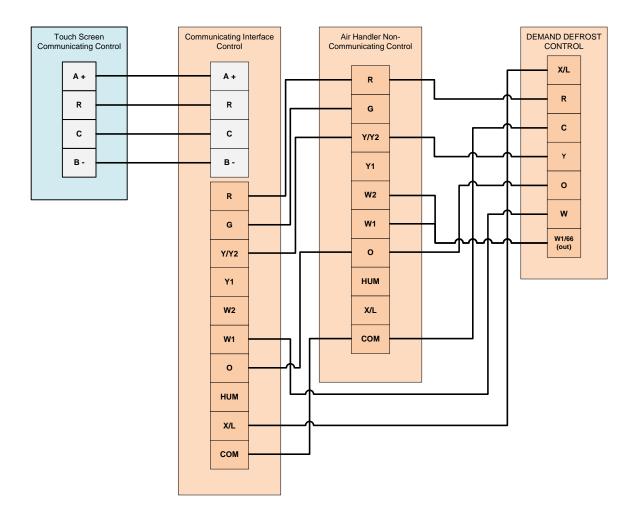
Hot Heat Pump Jumper must be set to OFF

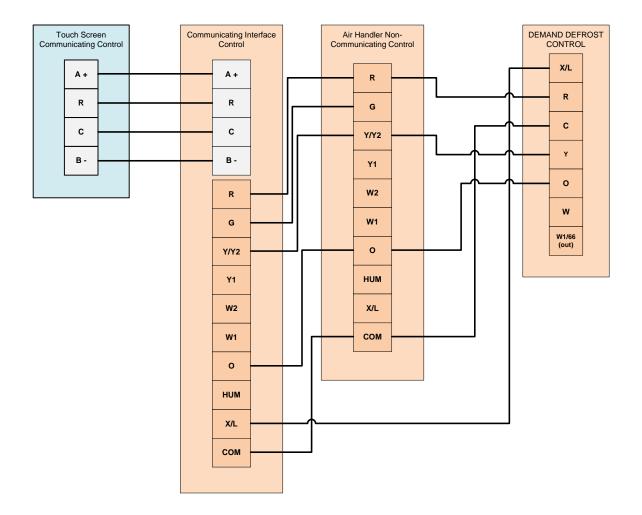
FFuel Jumper must be set to OFF



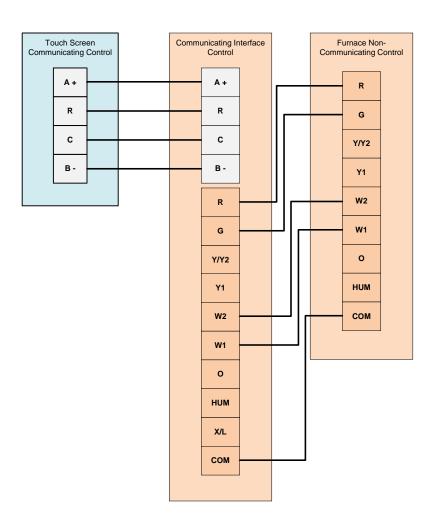
Same as AUX23 except with no electric heat.

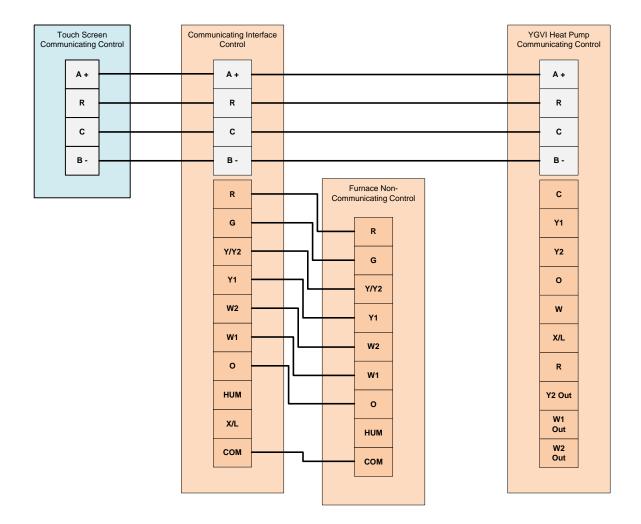
Hot Heat Pump Jumper must be set to OFF FFuel Jumper must be set to OFF





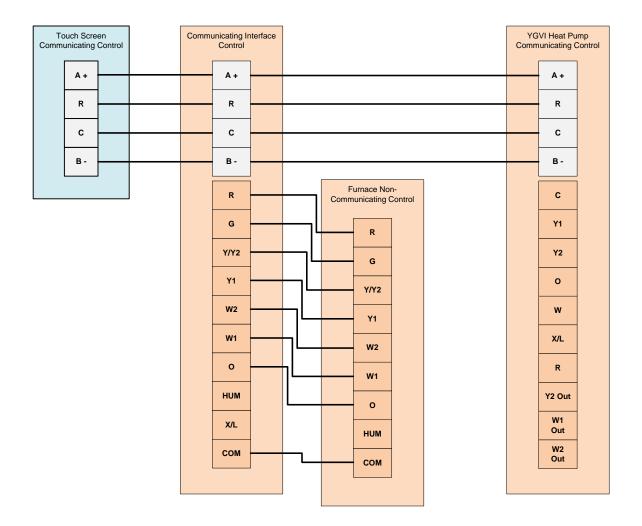
Same as AUX35 except with no electric heat.





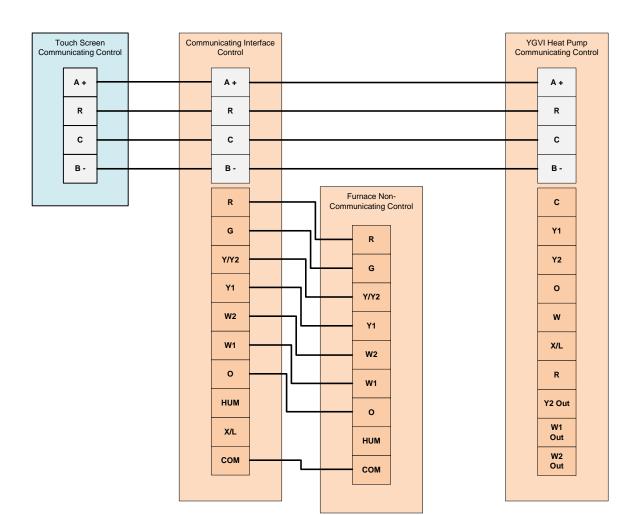
Hot Heat Pump Jumper must be set to ON

FFuel Jumper must be set to ON

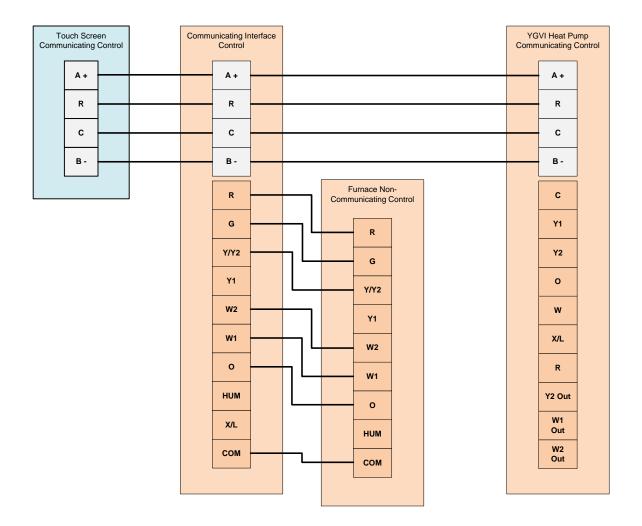


Hot Heat Pump Jumper must be set to OFF

FFuel Jumper must be set to ON

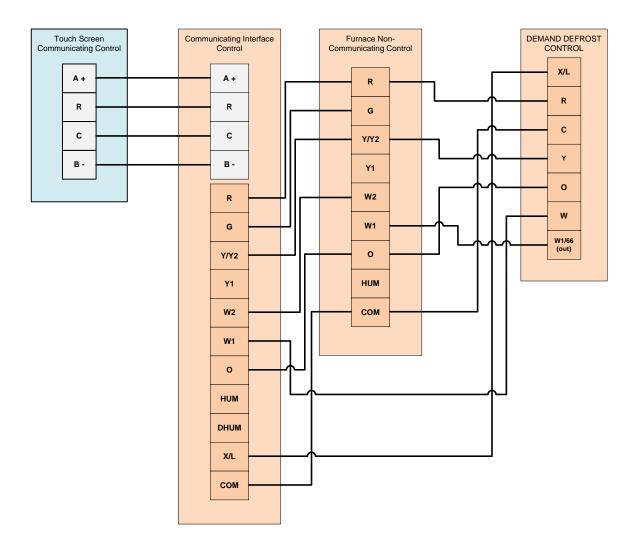


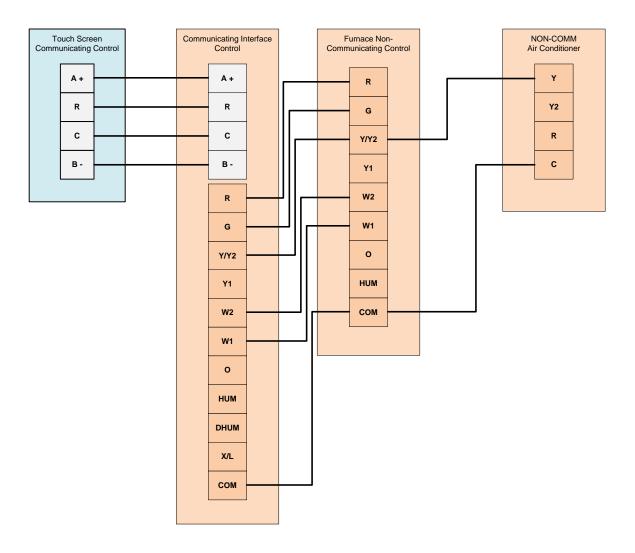
Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to ON

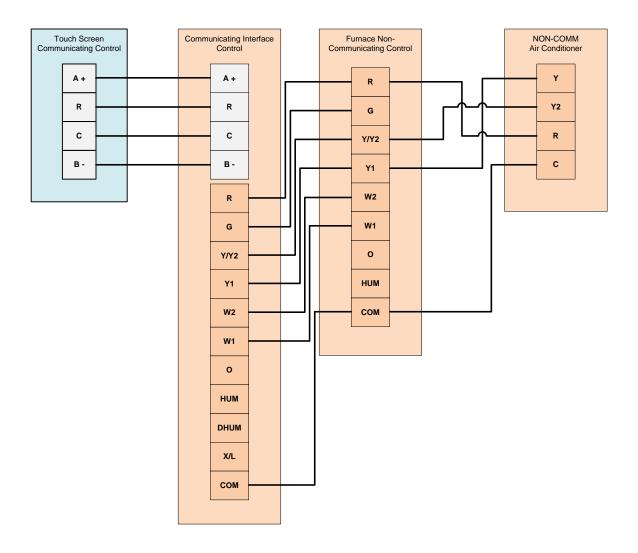


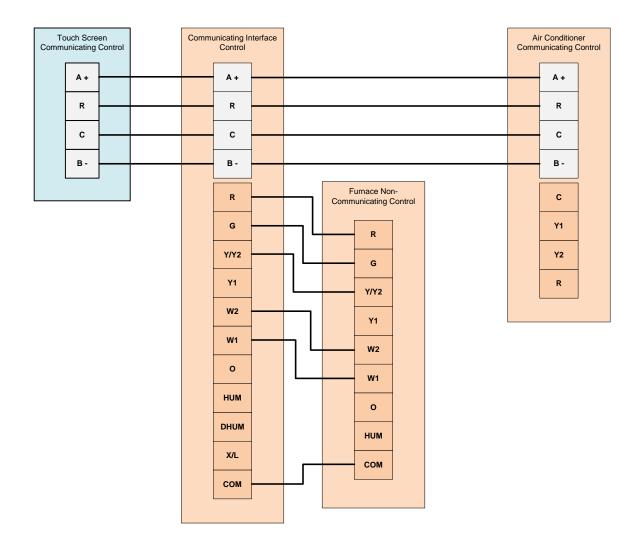
Hot Heat Pump Jumper must be set to OFF

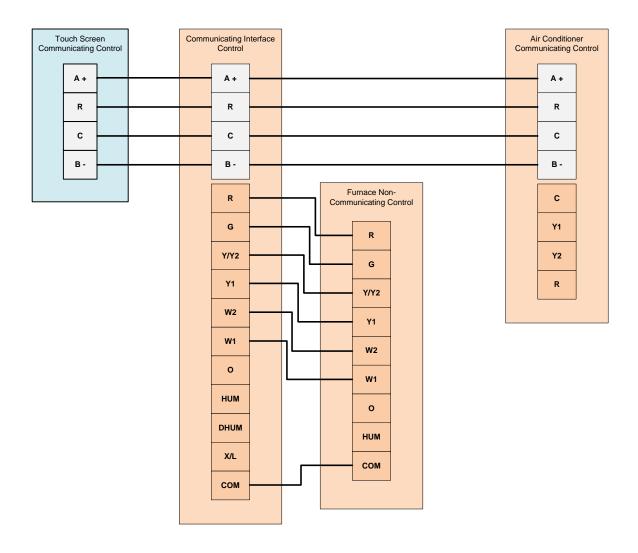
FFuel Jumper must be set to ON

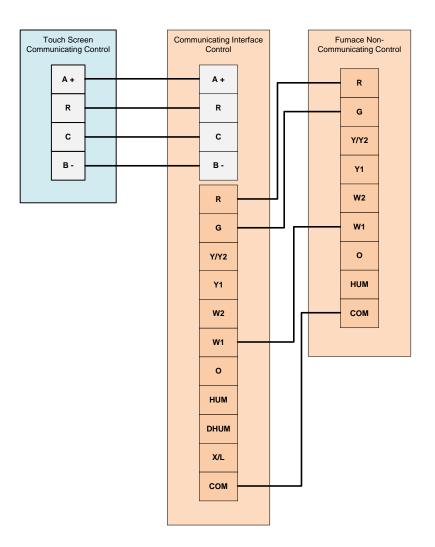


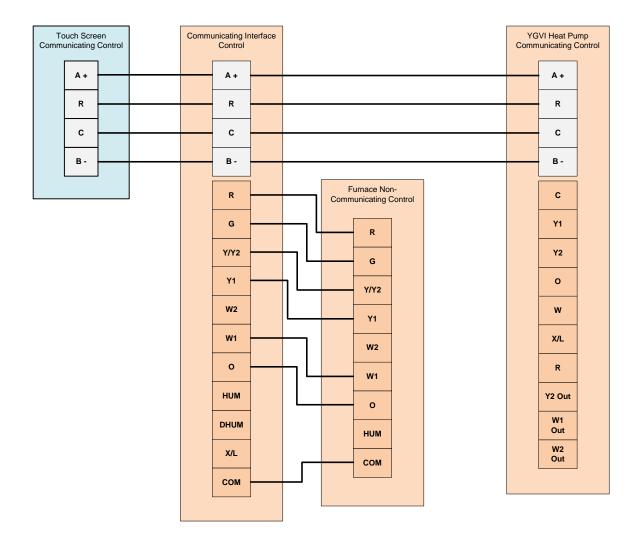






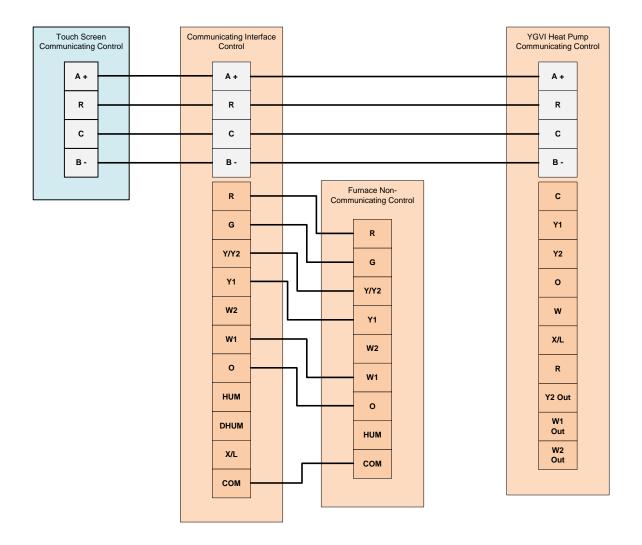






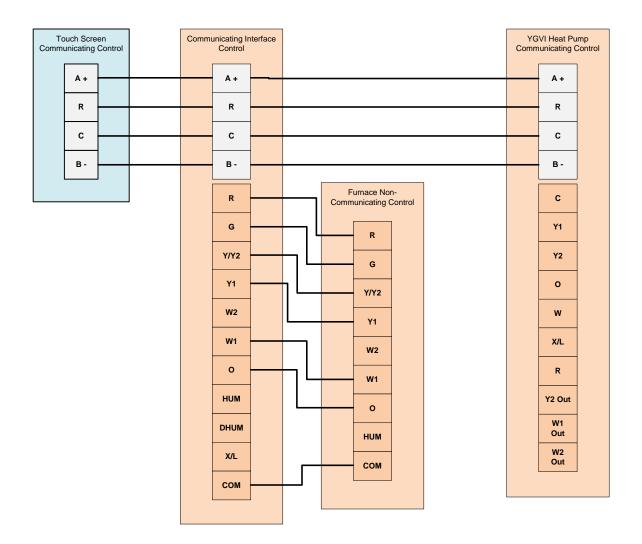
Hot Heat Pump Jumper must be set to ON

FFuel Jumper must be set to ON

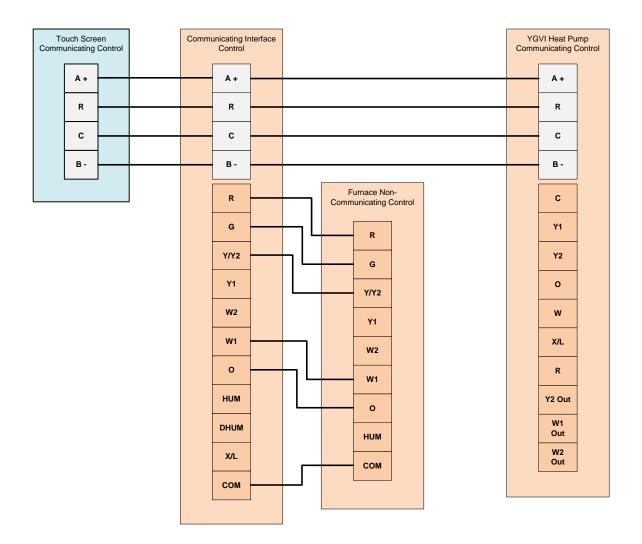


Hot Heat Pump Jumper must be set to OFF

FFuel Jumper must be set to ON



Hot Heat Pump Jumper must be set to ON FFuel Jumper must be set to ON



Hot Heat Pump Jumper must be set to OFF FFuel Jumper must be set to ON

