

# Controls/Res.

## Crossover ONLY Applications vs. Crossover & Res. Applications

**Crossover ONLY Applications**  
Less field wiring, easier install

Any brand furnace for MULA (coil)  
that meets airflow criteria



**Crossover & Res. Applications**  
More field wiring, must be approved match up

All components must be Carrier & AHRI approved matchups  
Only Carrier/Bryant furnaces are approved for MULA (coil)



# Controls/Res.

## 37MU(R,H)A Crossover & Res. Applications General Installation Notes:

- **UPDATE 2.10.2026** – Scenario 3 looks to be changing.
  - New KSAIC0701230 Crossover CVP 24V Interface is releasing soon.
- Indoor unit is NOT powered from outdoor unit.
- O/B Energized on Heating.
- Y2 Terminal at outdoor unit can be utilized instead of Y1 for faster ramp up rate, diagrams to follow.
- For FT5 applications – Recommend "HP-EFF" setting on Easy Select Board.
- Must use dual fuel thermostat for all furnace combinations. Simultaneous Heat Pump and Furnace operation not permitted.
- No wiring diagrams shown will operate a Furnace during Defrost.
- For Furnace applications – Indoor Fan will NOT shut off during Defrost unless a relay is added.
- Furnace applications require outdoor sensor or Wi-Fi weather data.

37MURA\* 18, 24, 30, 36, 48, 60K  
37MUHA\* 18, 24, 30, 36, 48K



37MUHA 60K



\*NOTE: Single Fan ODU height varies by capacity



Air Handlers	Gas Furnaces C / B
FT5	59TN6C / 926S
FJ5	59CU5B / 986T
FG5	59TP6C / 926T
F55	59SP6B / 926S
FMA5X	59SC6A / 916S
FMU(C)5X	59SC2E / 912S
FMU(C)5Z	59SU5 / 935S
FMA5L	58TN0B / 880TB
Coils	58CU0B / 830CB
CAAMP	58TP0B / 821TB
CSAHP	58SP0B / 820SB
	58SC0B / 800SB
	58SB0B / 912S
	58SU0B / 830SB
Oil Furnace	
	OVL





**Attention:**  
Thermostat must sense Outdoor temp for Dual Fuel Applications.

## 37MU(R,H)A & Crossover Application Thermostat Choices:

- Most 24-Volt thermostats will work for Crossover Applications, refer to the Application/Installation instructions for specific details for the model installing.
- We strongly recommend that these systems are always wired as a Heat Pump, not Conventional.
- **NOTE:** Dual Fuel Crossover Applications require the thermostat to sense outside temperature to operate correctly.



ecobee



Cielo



Nest



Honeywell



VIVE

No outside temperature sensor required, uses Wi-Fi weather data, stores up to 5 days

Hard wired outside temperature sensor must be installed





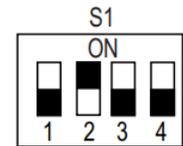
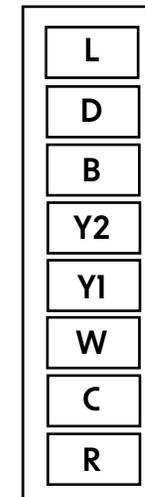
## 37MU(R,H)A – Applications Requiring Defrost or Error Signal from Outdoor Unit ODU

Only in applications where a Defrost (D-terminal ODU) or Error (L-terminal ODU) signal is needed, an R wire from the Indoor Unit to the Outdoor would be required.

Applications would include:

- Thermostats that accept a 24-Volt Error signal from outdoor unit (L-terminal).
- Applications that use a Defrost signal (D-terminal) to activate a relay to shut down the indoor fan during defrost.
- Applications that use a Defrost signal (D-terminal) to bring on the electric heat kit or other heat source, field supplied relay may be required.

Set S1-2 to ON at ODU  
for 24-Volt Connections



Outdoor Unit  
MU(R,H)A

## Res. Indoor Coil Dissipation Board Overview

Main components:

Dissipation Board



Main Harness



Leak Sensor



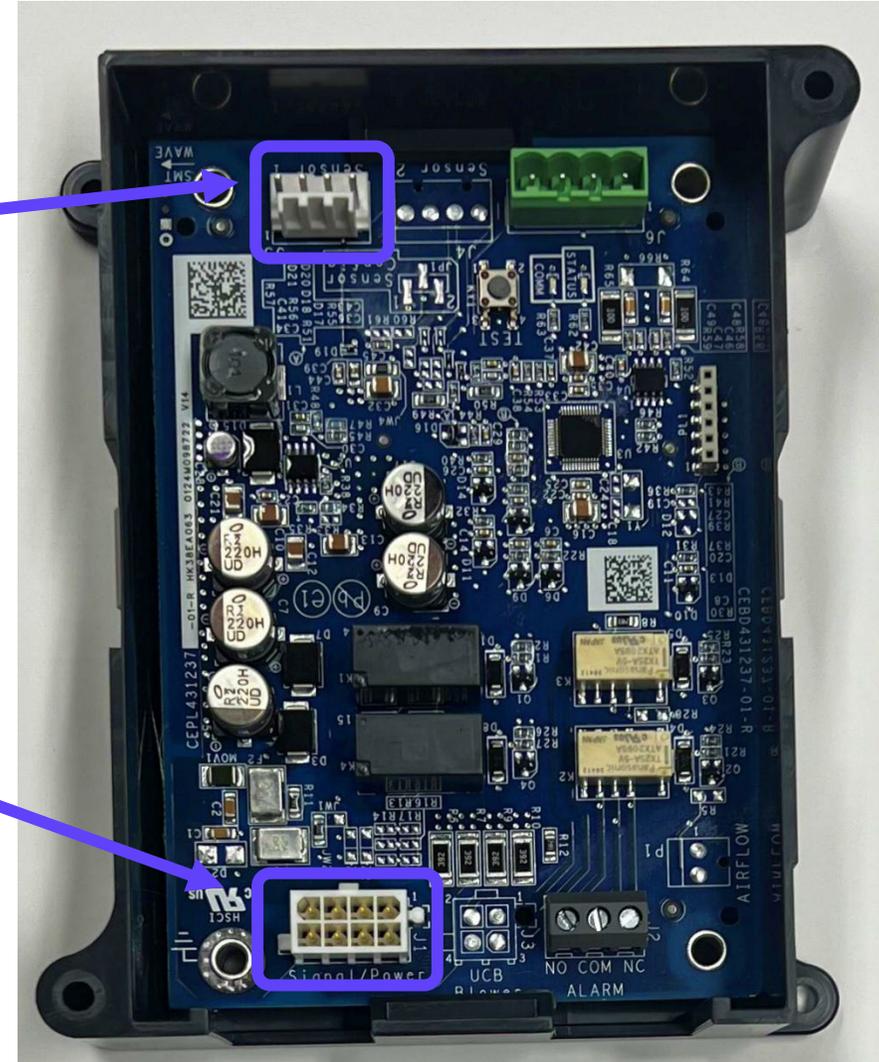
# Controls/Res.

## Dissipation Board Overview

Dissipation Board:

Sensor connection

Main harness connection



FLASH CODE CHART		
Yellow LED	Reason	Mode
Solid	Normal Operation	Normal Operation
Flashing 1	Sensor $\geq$ 20% LFL	Dissipation
Flashing 2	Sensor Open	Dissipation
Flashing 3	Normal Dissipation After Leak	Dissipation
Flashing 4	No Power to G Output	Dissipation w/o Blower
Flashing 5	Fault with A2L Digital Sensor	Dissipation
Flashing 6	Test Button Stuck (>30s)	Dissipation
Flashing 7	Y or W Wiring Inverted	Normal Operation
Flashing 8	Y or W Shorted	Normal Operation

## Dissipation Board Overview

### Wire connections:

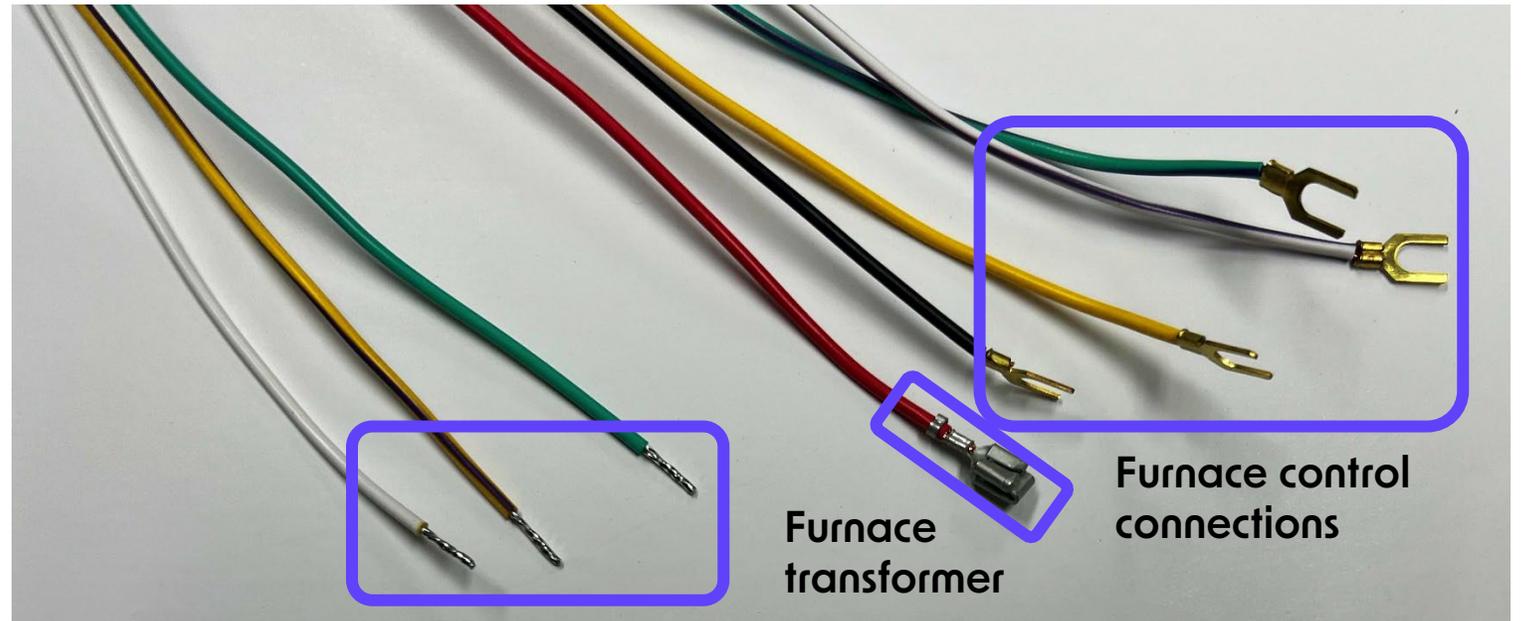
- Shipped with Indoor Coil.
- Designed to work with a Carrier or Bryant furnace.
- Make sure to review Installation Manual prior to connecting device.



PIN	COLOR	1-Stage Label	2-Stage Label
1	Red	to Furnace SEC1	to Furnace SEC1
2	Grn/Vio	to Furnace G	to Furnace G
3	White	to TSTAT W	to TSTAT W1
4	Yel/Vio	to OD unit Y	to OD unit Y1
5	Yellow	to Furnace Y	to Furnace Y1
6	Green	to TSTAT G	to TSTAT G
7	White/Vio	to Furnace W	to Furnace W1
8	Black	to Furnace C	to Furnace C

See Installation Instructions For Specific Details\*\*

350110-701 REV. C





## Attention:

Thermostat must have Outdoor temp sensor for Dual Fuel Applications.



## 37MU(R,H)A & 1-Stage Furnace – Dual Fuel Applications

Includes Carrier/Bryant 2-Stage Gas Furnaces utilizing Comfort Heat Technology® or Adaptive Mode.

When setting up thermostat make sure to disable furnace and heat pump running at same time.



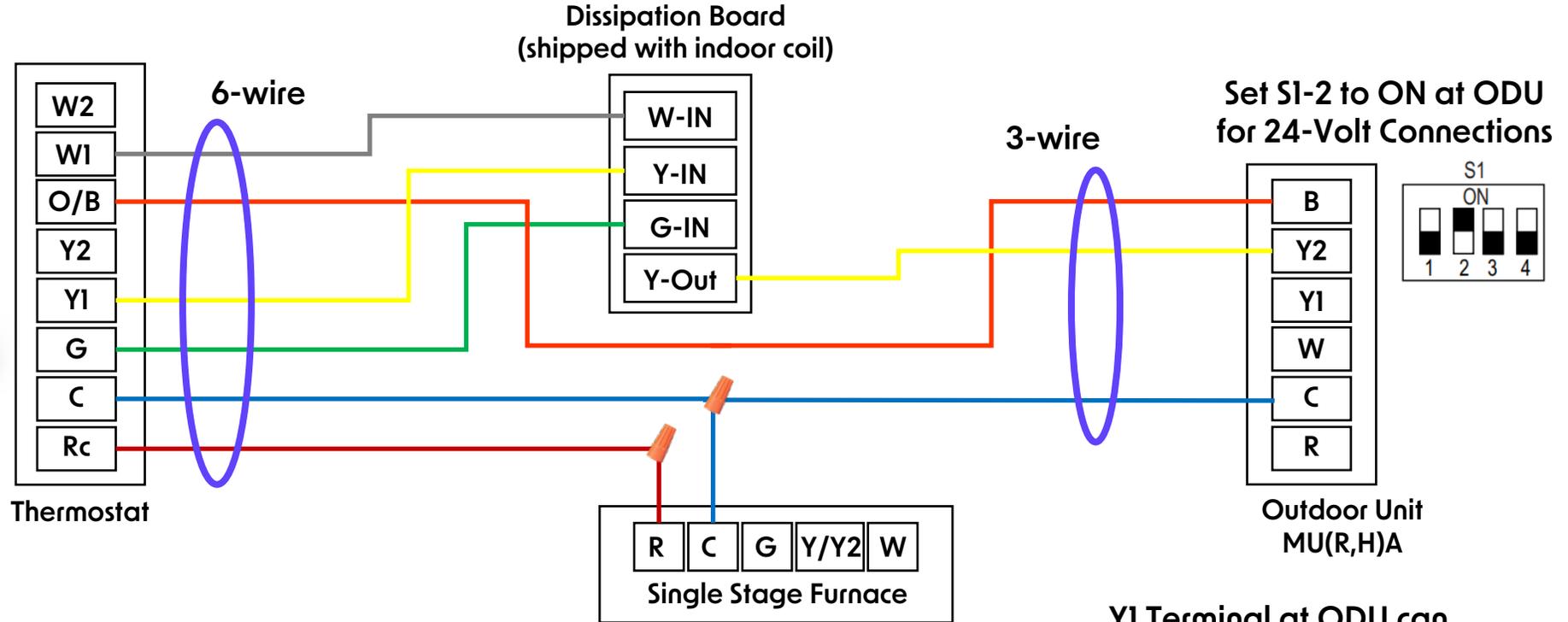
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2 Stage Heat & 1 Stage Cool

1 Stage Heat Pump  
1 Stage Gas Furnace



Cielo



### Notes:

Factory wires from Diss. Board to Furnace not shown.

High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost.

Furnace will NOT operate during Defrost.

Going away by 7/1/2026



# Controls/Res.

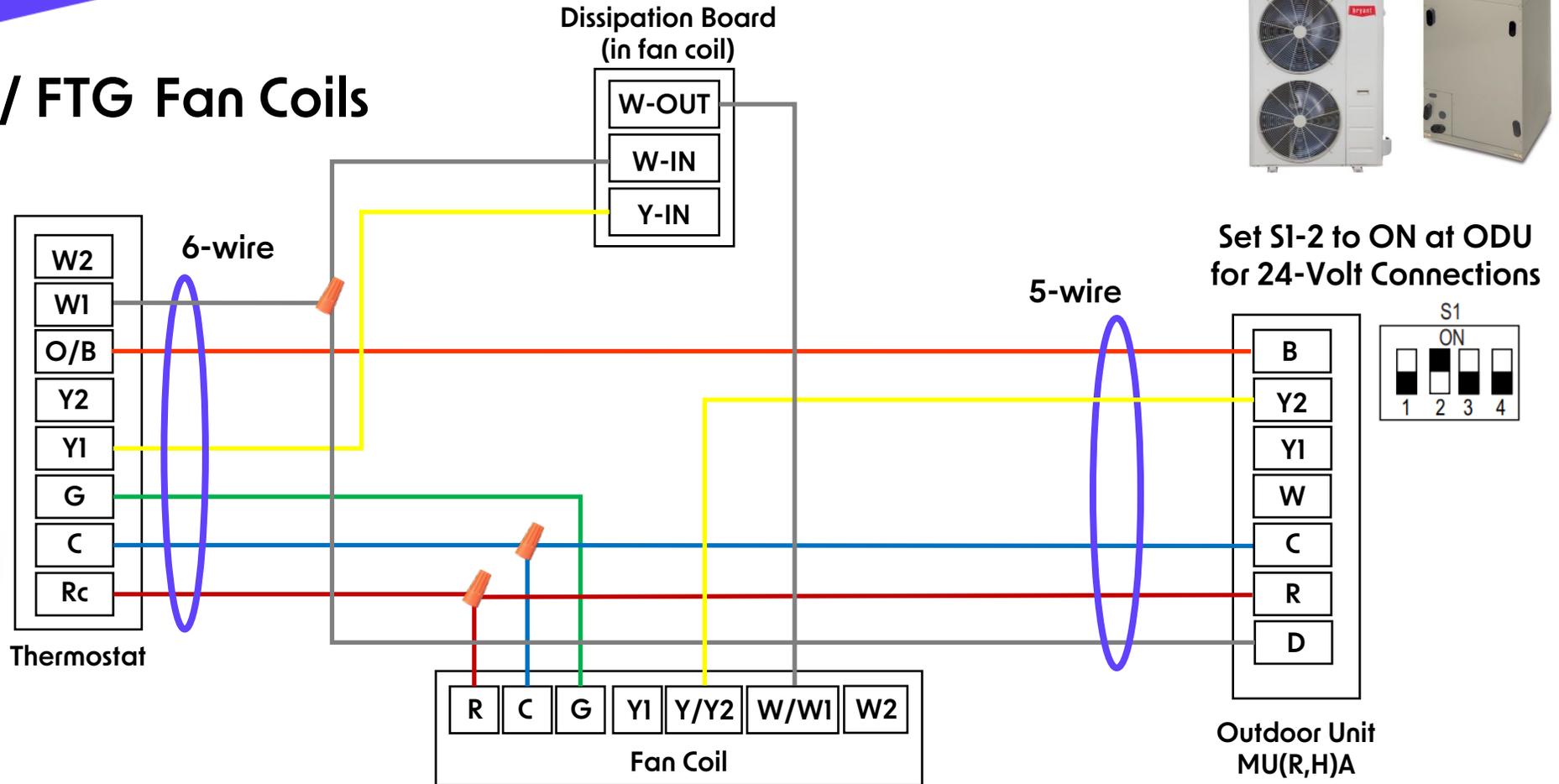
## 37MU(R,H)A & FT5 / FTG Fan Coils



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Cielo

**2 Stage Heat & 1 Stage Cool**  
 1 Stage Heat Pump  
 1 Stage Electric Heat



**Notes:**

- Factory wires from Diss. Board to Fan Coil not shown.
- High Voltage wiring to equipment not shown.
- Indoor Fan ON during Defrost.
- Electric Heat ON during Defrost.

Recommend "HP-EFF" setting on Easy Select Board during initial set up.

Y1 Terminal at ODU can be utilized instead of Y2 for slower ramp up rate.

**Going away by 7/1/2026**



# Controls/Res.

## 37MU(R,H)A & FT5 / FTG Fan Coils



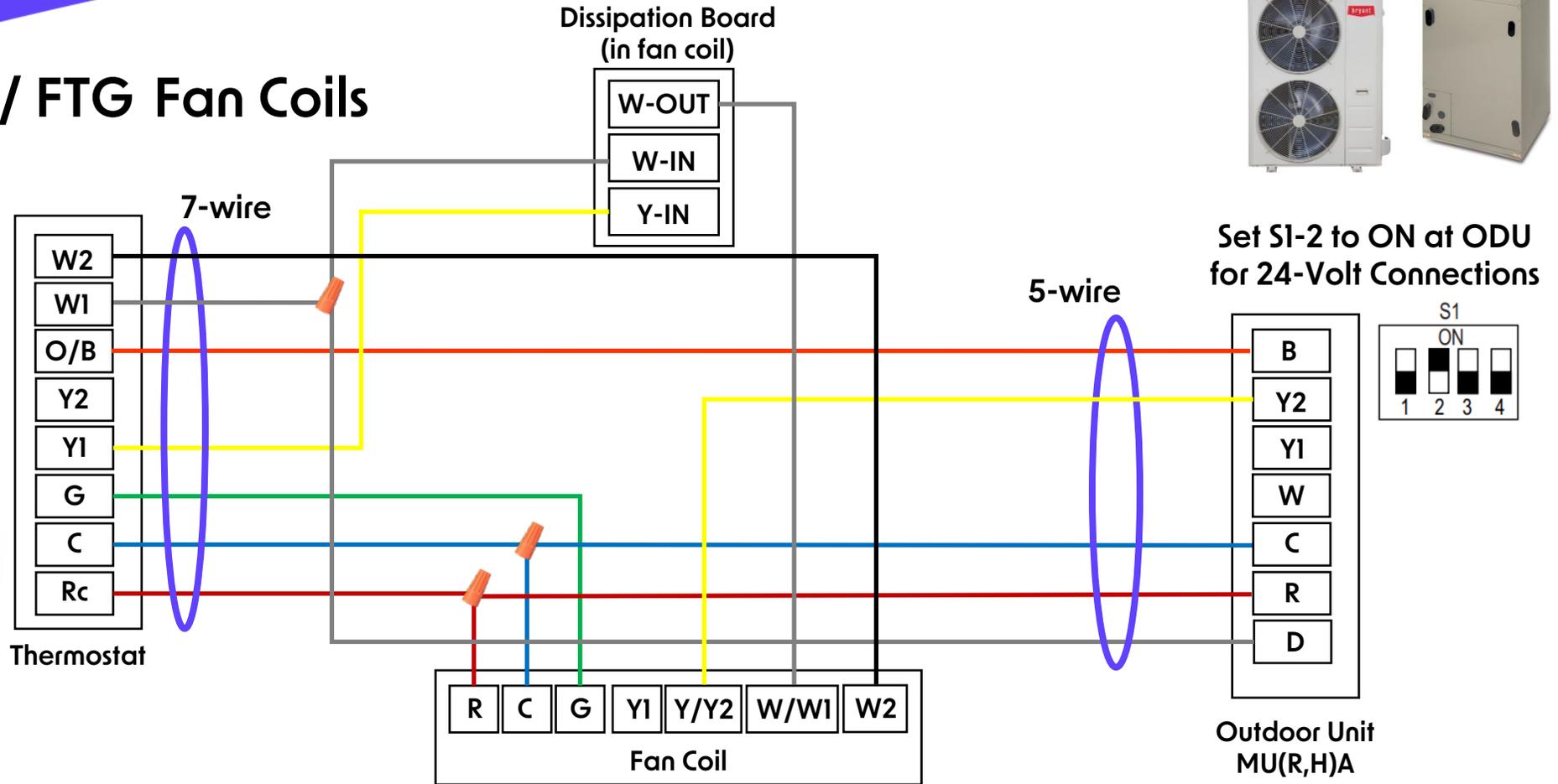
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Cielo

### 3 Stage Heat & 1 Stage Cool

- 1 Stage Heat Pump
- 2 Stage Electric Heat



### Notes:

- Factory wires from Diss. Board to Fan Coil not shown.
- High Voltage wiring to equipment not shown.
- Indoor Fan ON during Defrost.
- Electric Heat ON during Defrost.

Recommend "HP-EFF" setting on Easy Select Board during initial set up.

Y1 Terminal at ODU can be utilized instead of Y2 for slower ramp up rate.

**Going away by 7/1/2026**



# Controls/Res.

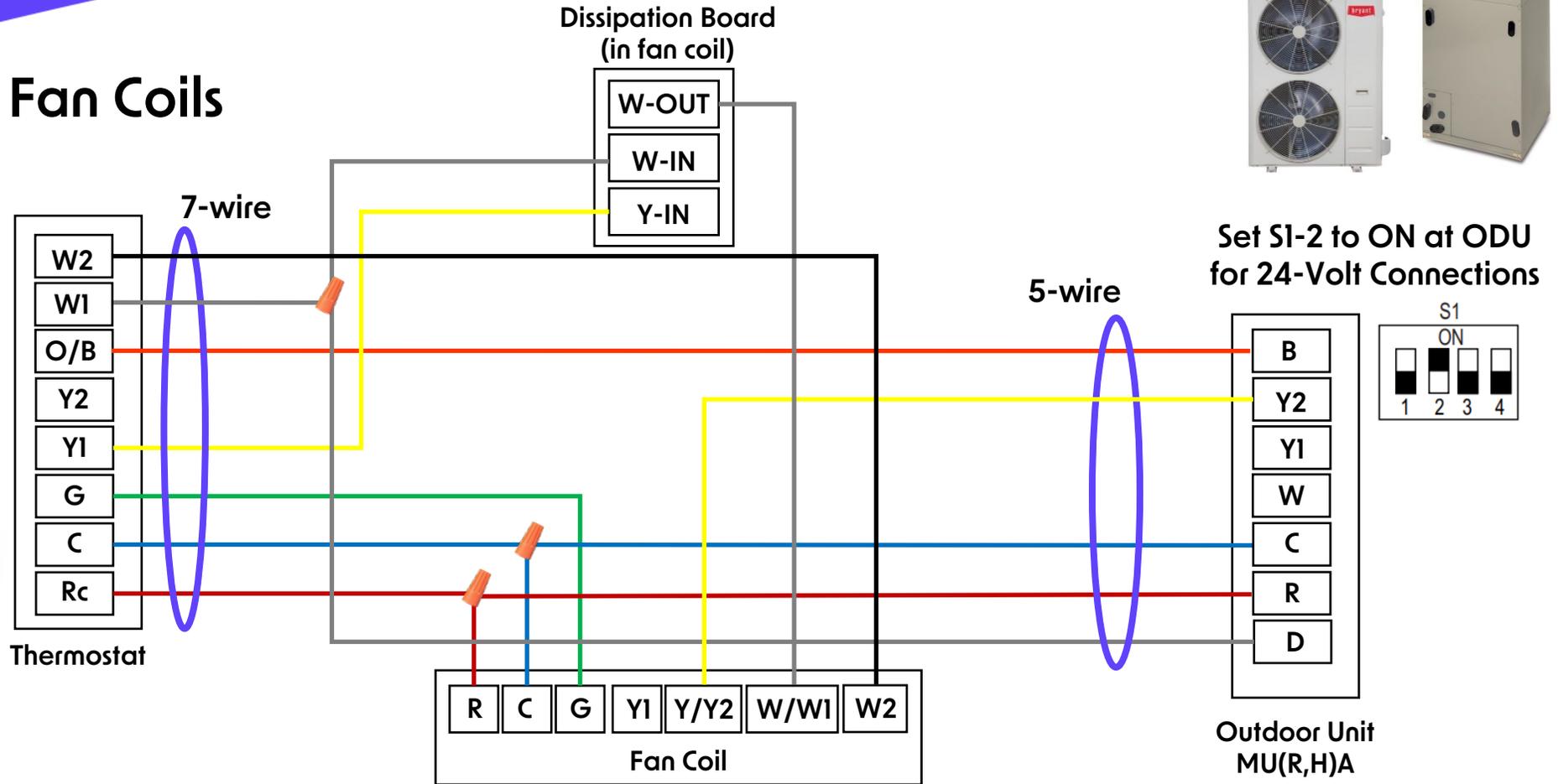
## 37MU(R,H)A & F55 Fan Coils



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Cielo

**3 Stage Heat & 1 Stage Cool**  
1 Stage Heat Pump  
2 Stage Electric Heat



### Notes:

Factory wires from Diss. Board to Fan Coil not shown.

High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost.

Electric Heat ON during Defrost.

**Going away by 7/1/2026**



# Controls/Res.

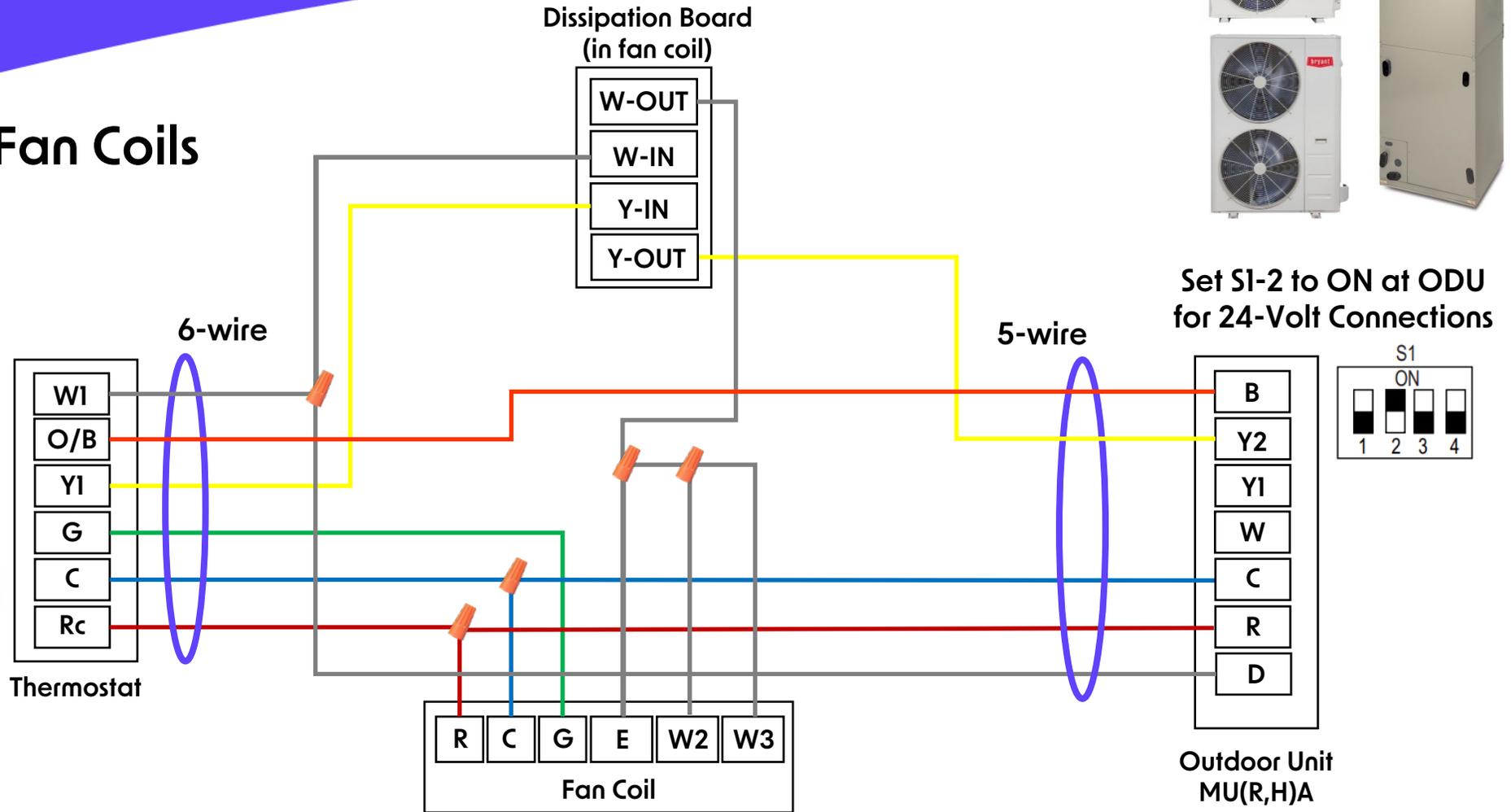
## 37MU(R,H)A & FJ5 Fan Coils



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2 Stage Heat & 1 Stage Cool  
1 Stage Heat Pump  
1 Stage Electric Heat



### Notes:

Factory wires from Diss. Board to Fan Coil not shown.

High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost.

Electric Heat ON during Defrost.

Going away by 7/1/2026

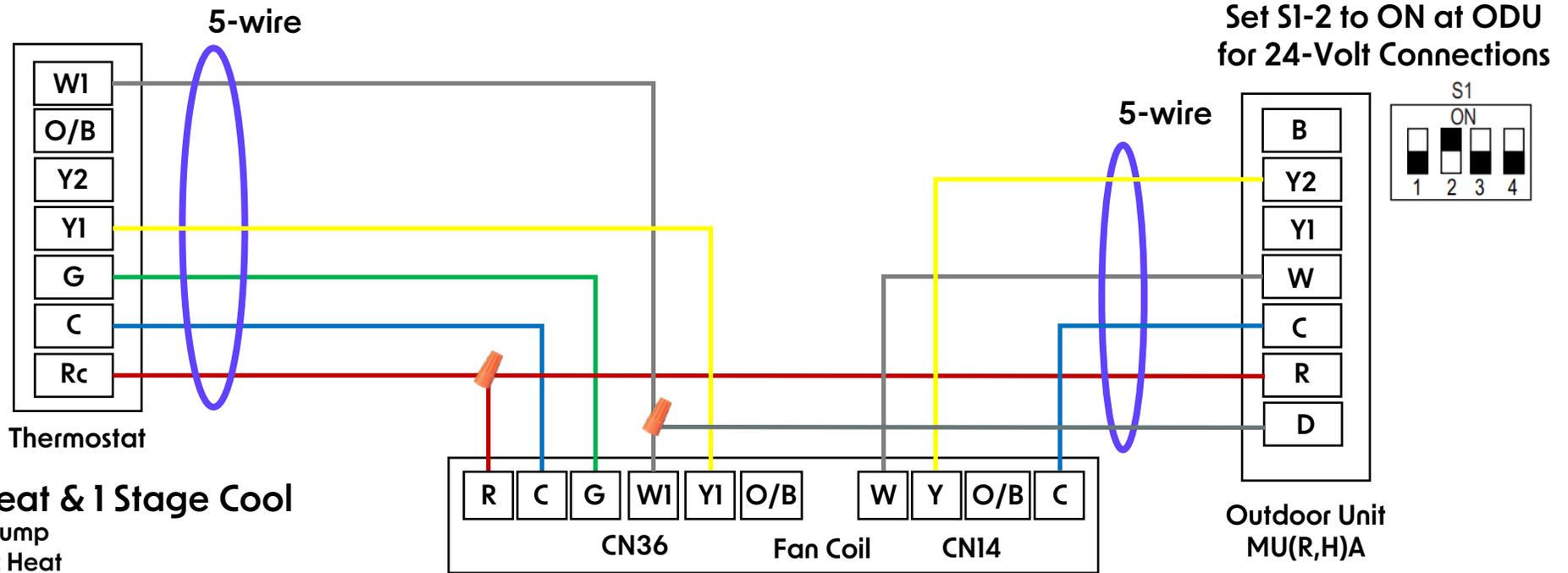


# Controls/Res.

## 37MU(R,H)A & Multi-family Indoor Units FMA5L(X) / FMC5X(Z) / FMU5X(Z) Fan Coils



**2 Stage Heat & 1 Stage Cool**  
1 Stage Heat Pump  
1 Stage Electric Heat



**Notes:**  
Dissipation board built-in to main PCB in fan coil.  
High Voltage wiring to equipment not shown.  
Indoor Fan ON during Defrost.  
Electric Heat ON during Defrost.

Y1 Terminal at ODU can be utilized instead of Y2 for slower ramp up rate.

**Going away by 7/1/2026**

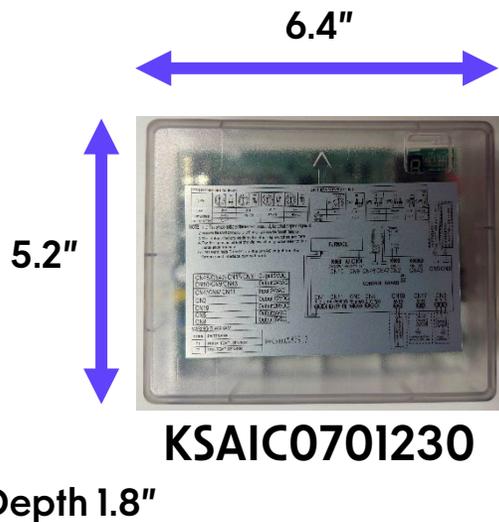


# Controls

## CVP 24-Volt Interface Kit – KSAIC0701230

- This kit is used to connect Residential Equipment to Crossover ODUs and control the system by a standard 24-Volt thermostat.
- Keeps the Inverter Compressor operating as a Variable Speed System.

Use OEM Wired Controls or any compatible 24-Volt stat



Coming by 7/1/2026 or sooner

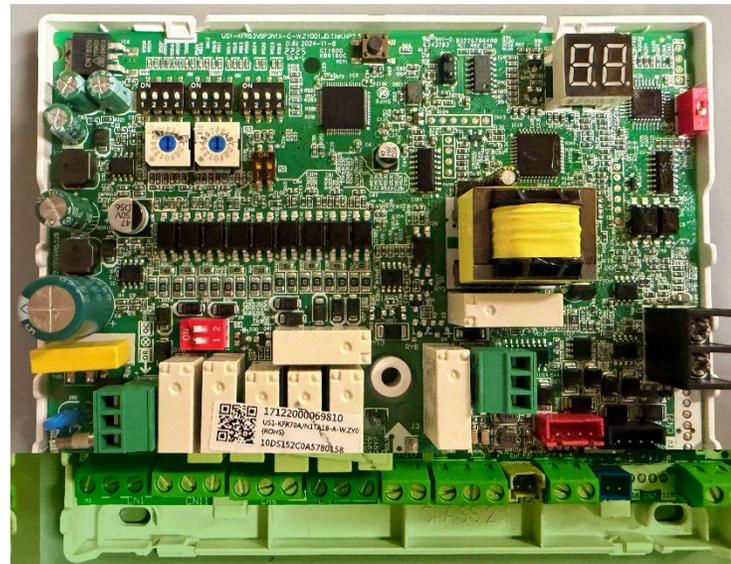
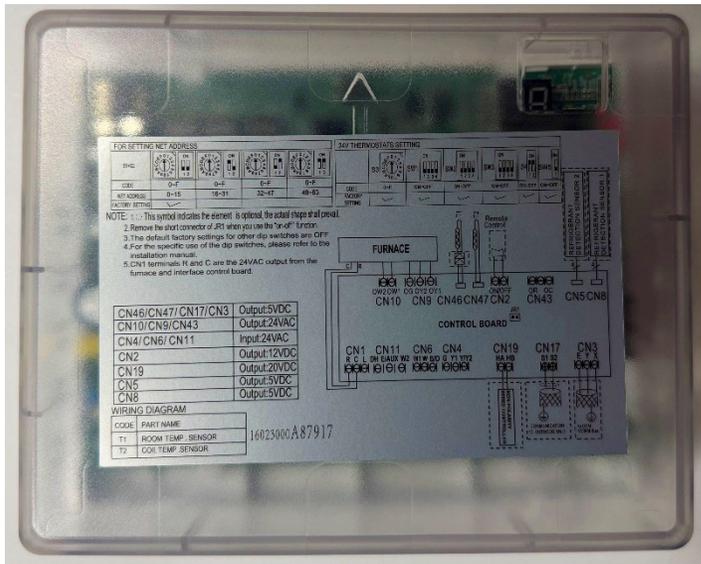


# Controls

## CVP 24-Volt Interface Kit – KSAIC0701230 (cont.)

- What you get

701 Interface



TI Room Air Thermistor



Mounting kit

TI Room Air Thermistor Extension Cable

Coming by 7/1/2026 or sooner

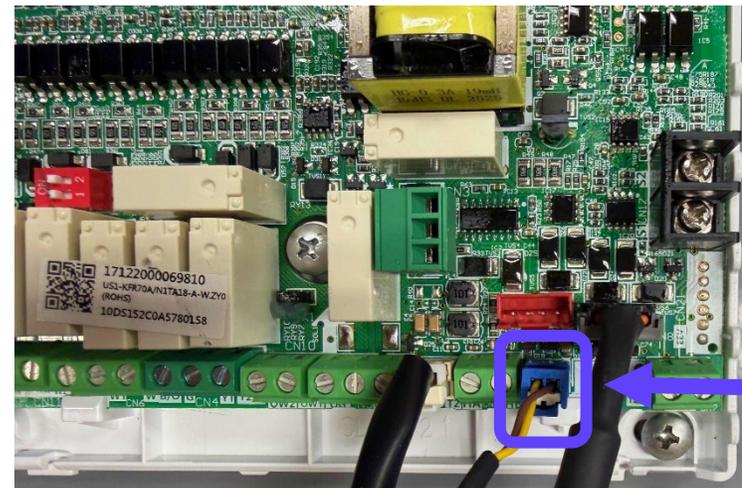
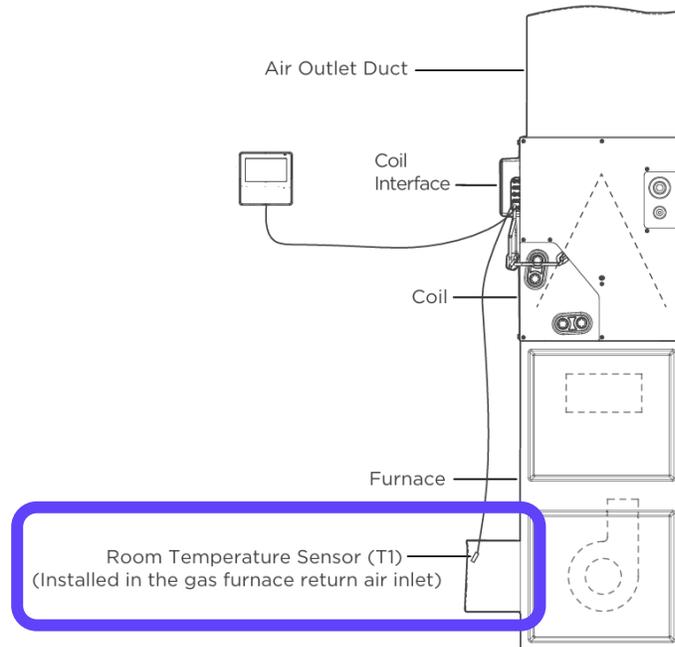


# Controls

Coming by 7/1/2026 or sooner

## CVP 24-Volt Interface Kit – KSAIC0701230 (cont.)

- The Return Air Temperature (TI) sensor should be installed in the air stream of the return duct leading into the furnace.
- The thermistor should be installed pointing into the duct between 2.5ft. and 4ft. from the return side of the furnace.
- Use a ½" drill and insert the thermistor no less than 6" into the duct and seal airtight around the cable.



Return Sensor  
CN46 - TI

# Controls

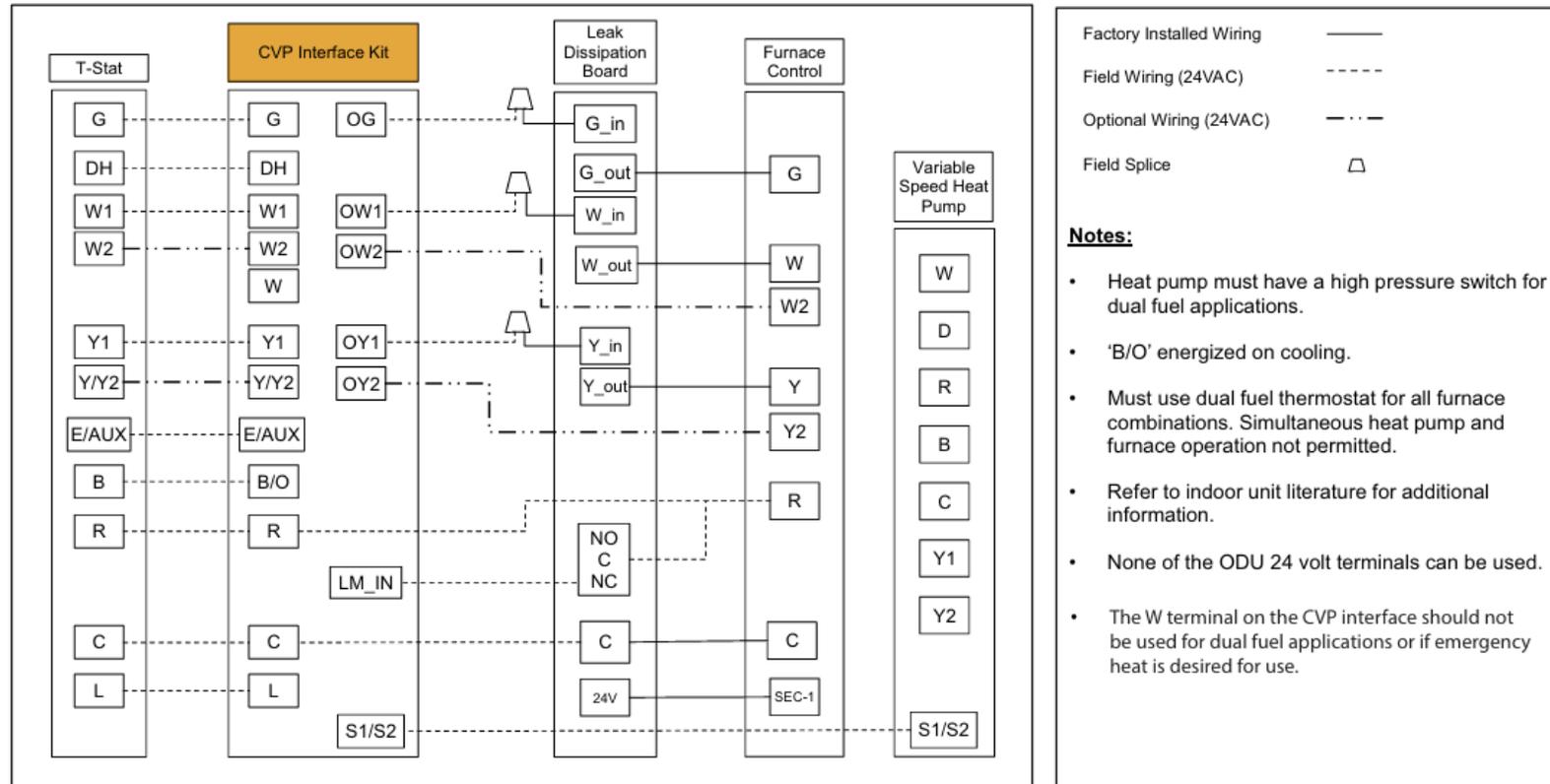
## CVP 24-Volt Interface Kit – KSAIC0701230 (cont.)

Coming by 7/1/2026 or sooner

### Application: Residential Furnace and Coil, Crossover ODU, KSAIC0701230 and 24-Volt Control

- SWI-1 – Turn ON for 24-Volt Control

For this application, all other DIPs can remain in their default position.



# Controls

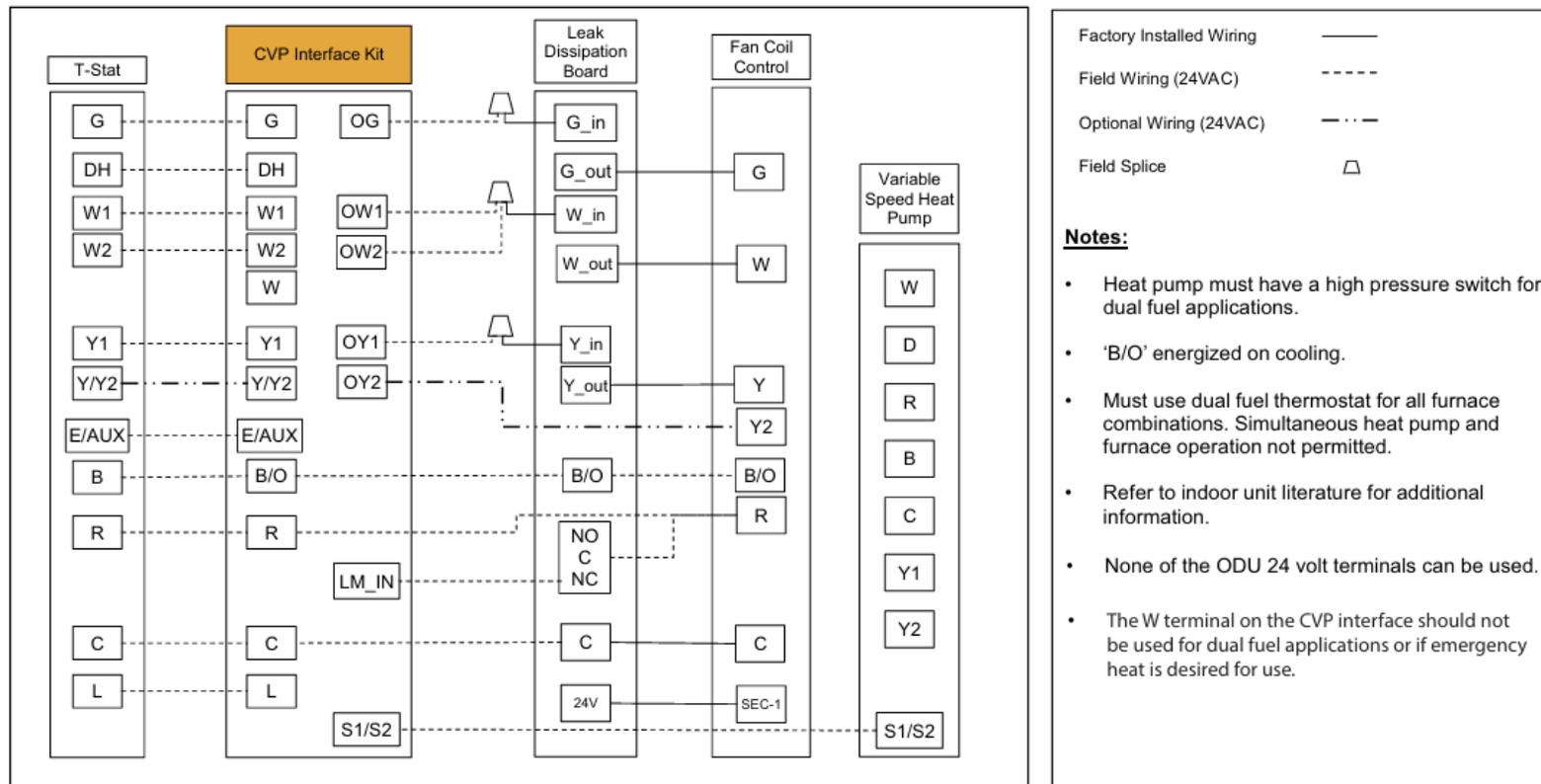
## CVP 24-Volt Interface Kit – KSAIC0701230 (cont.)

Coming by 7/1/2026 or sooner

### Application: Residential Air Handler and Coil, Crossover ODU, KSAIC0701230 and 24-Volt Control

- SWI-1 – Turn ON for 24-Volt Control

For this application, all other DIPs can remain in their default position.



# Controls

Coming by 7/1/2026 or sooner

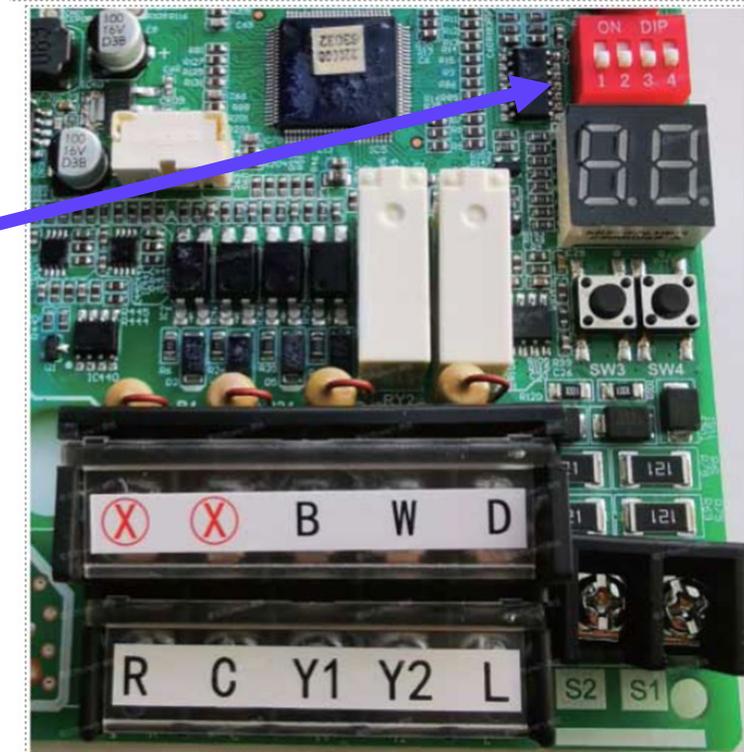
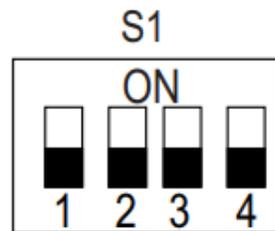
## 37MU(R,H)A Outdoor Unit DIP Settings

Control Selection – 24-Volt Thermostat

S1, S2 Connections to outdoor unit

Outdoor unit S1 DIP switch settings

All S1 DIPs OFF (default)



37MU(R,H)A DIP Switches  
Located above low voltage terminal block

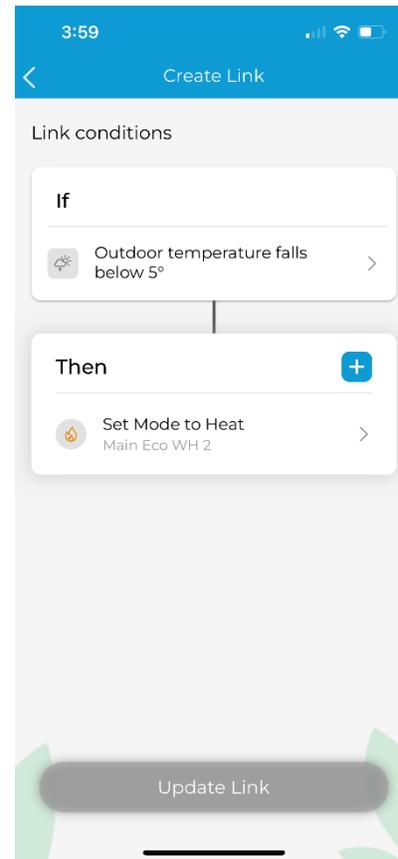
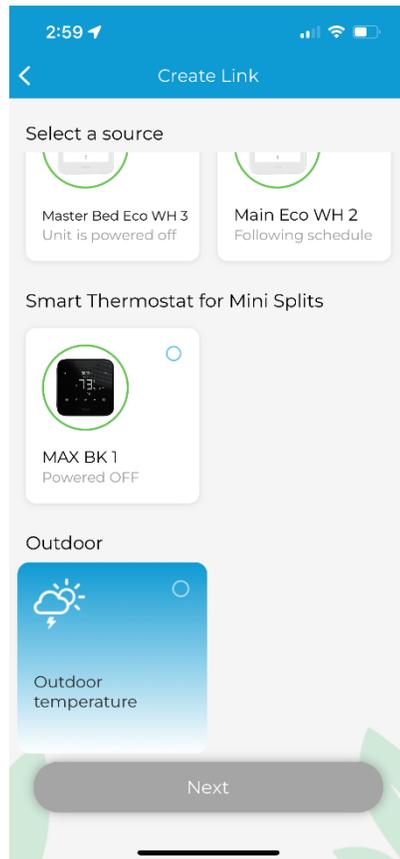
# Miscellaneous Control Applications

## Ductless systems and Crossover/Residential systems can talk without wires (end)

As you work your way through the decision-making process takes a few screens, but in the end a "Link conditions" screen shows you the rule. Think of it as "If this, then that". The rule can be toggled ON and OFF.



**Cielo Smart Thermostat (24-Volt)**



**Cielo Breez Max (DLS)**

