

Controls

38MURA & Crossover Applications

General Installation Notes:

- Indoor unit is NOT powered from outdoor unit.
- TXV does NOT need to be removed from indoor coil.
- O/B Energized on Heating.
- Y1 Terminal at outdoor unit can be utilized instead of Y2 for slower ramp up rate, diagrams to follow.
- For FV4CN(B,F) 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.



Fan Coils	Furnaces
FV4CN(B,F)	58S(B,C) / 81(0,1)SA
FZ4ANP	58SP(0,1) / 82(0,1)SA
FJ4DN	58SU0 / 830SA
FB4CN	58TP(0,1) / 82(0,1)TA
FX4DN	59SC2 / 912SD
PF4MN	59SC5 / 915SB
FMA4(P,X)	59SP6/ 926SA
FM(C,U)	59TP6 / 926TB
	59SU5 / 935SA
	OVLAAB
	OVMAAB



Attention:
CE recommends ecobee
for Dual Fuel Applications.



Controls

38MURA & FV4CN(B,F) Fan Coil



Simplest Wiring

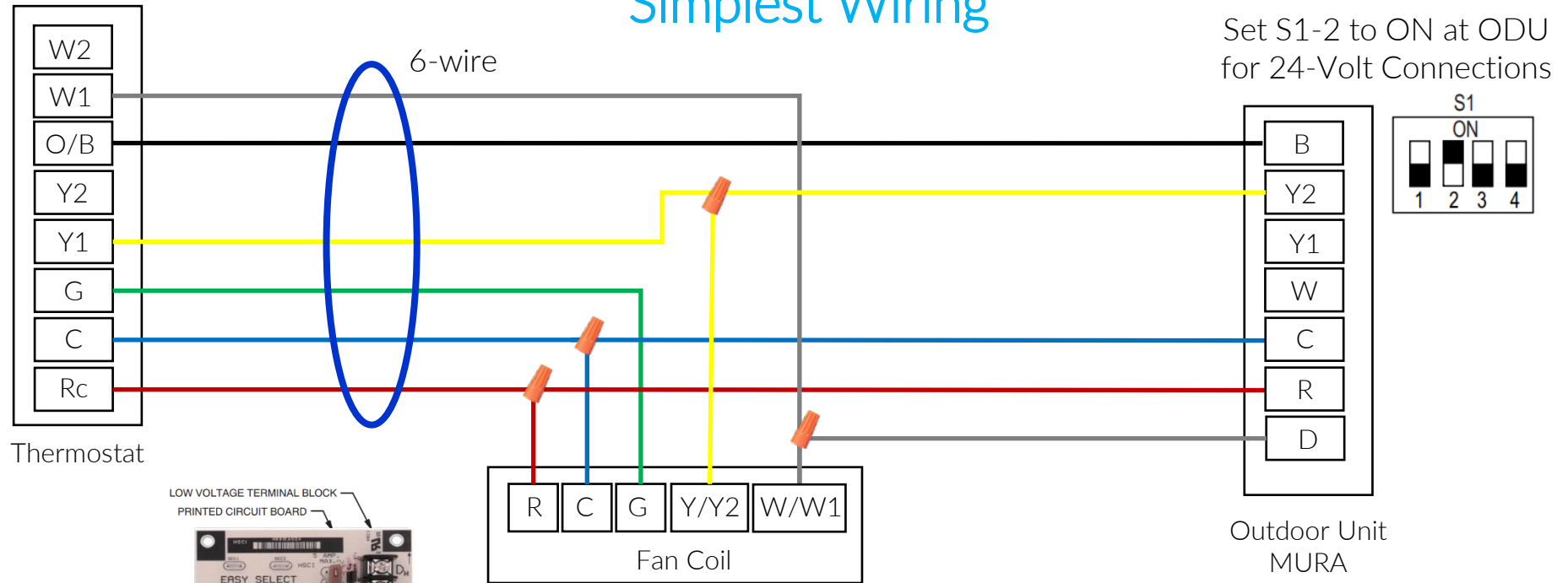


ecobee

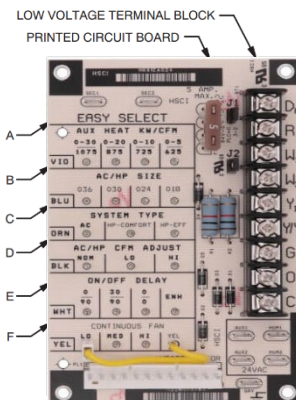
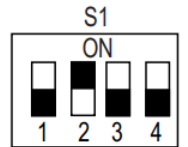
2 Stage Heat & 1 Stage Cool
1 Stage Heat Pump
1 Stage Electric Heat

Notes:

High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost.
Electric Heat will operate during Defrost.



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



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.

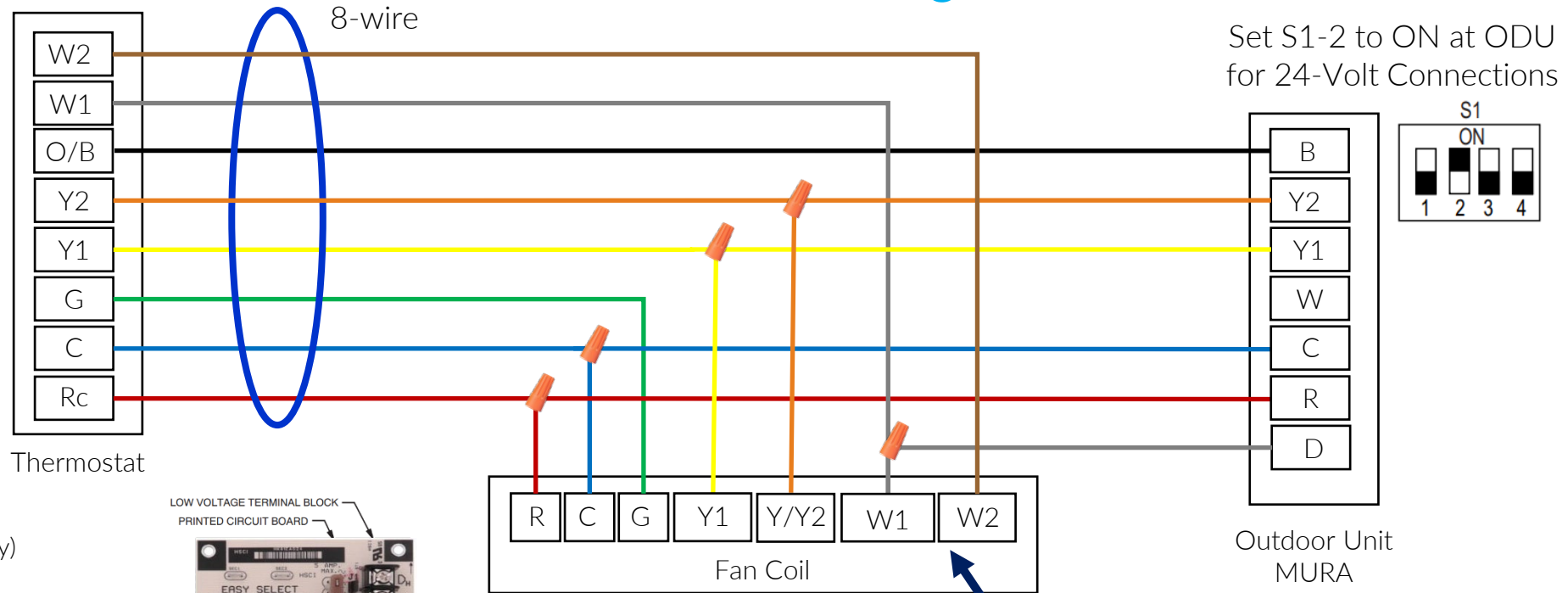
Controls

38MURA & FV4CN(B,F) Fan Coil



4 Stage Heat & 2 Stage Cool
2 Stage Heat Pump
2 Stage Electric Heat (for 2 circuit heaters only)

Notes:
High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost.
Electric Heat will operate during Defrost.



Controls

38MURA & FJ4DN / FB4CN / FX4DN / PF4MN / FZANP Fan Coils



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2 Stage Heat & 1 Stage Cool

1 Stage Heat Pump

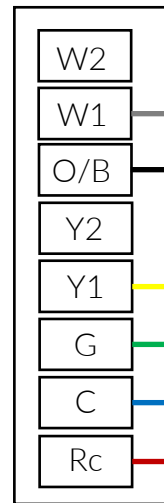
1 Stage Electric Heat

Notes:

High Voltage wiring to equipment not shown.

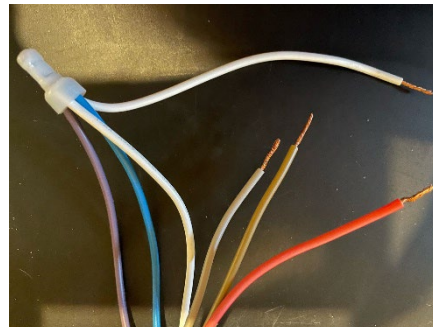
Indoor Fan ON during Defrost.

Electric Heat will operate during Defrost.

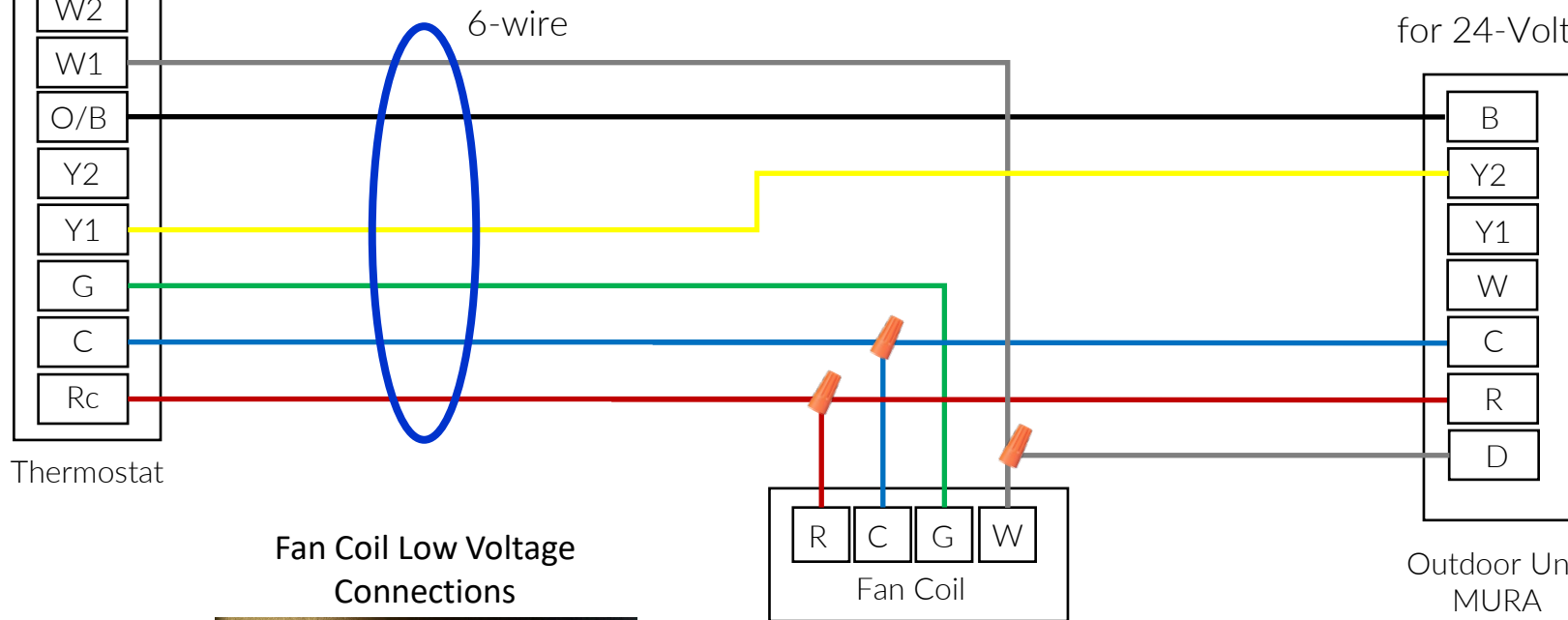


Thermostat

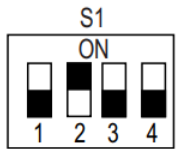
Fan Coil Low Voltage Connections



Simplest Wiring



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



Outdoor Unit MURA

Wire to Terminal designations:

Red is R

Gray is G

Brown is C

White is wire crimped to white, blue and violet for the 3 stages of heat

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

Controls

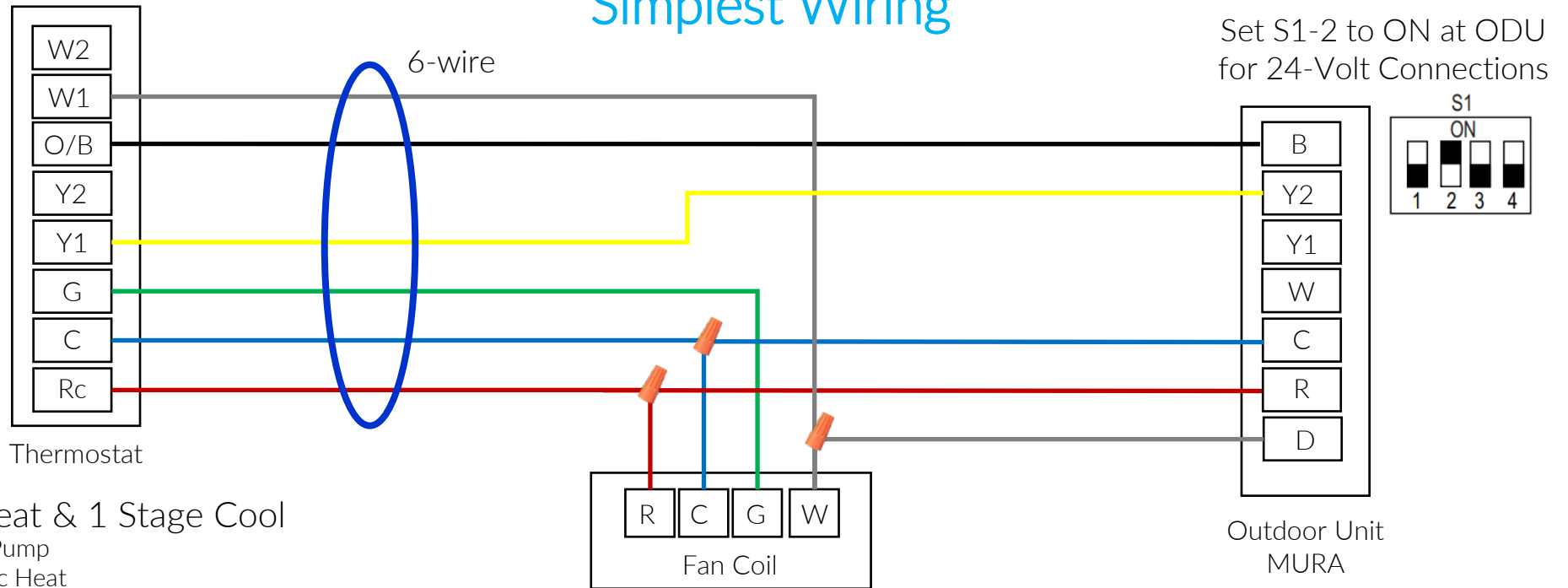
38MURA & FMA4(P,X) Fan Coil



Simplest Wiring



ecobee



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



Notes:

High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost.

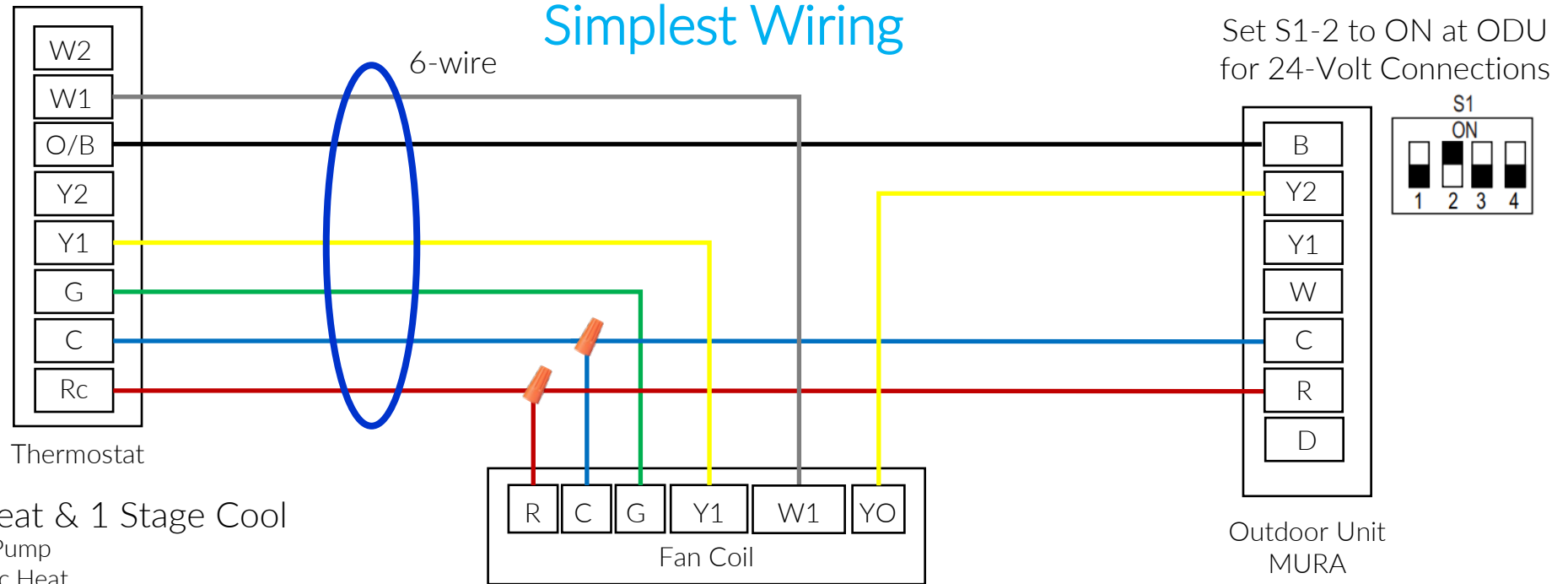
Electric Heat will operate during Defrost.

Controls

38MURA & FM(C,U) Fan Coil



ecobee



Notes:
High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost.
Electric Heat will NOT operate during Defrost.

Controls



Attention:
CE recommends ecobee
for Dual Fuel Applications.



38MURA & 1-Stage Gas Furnace – Dual Fuel Applications

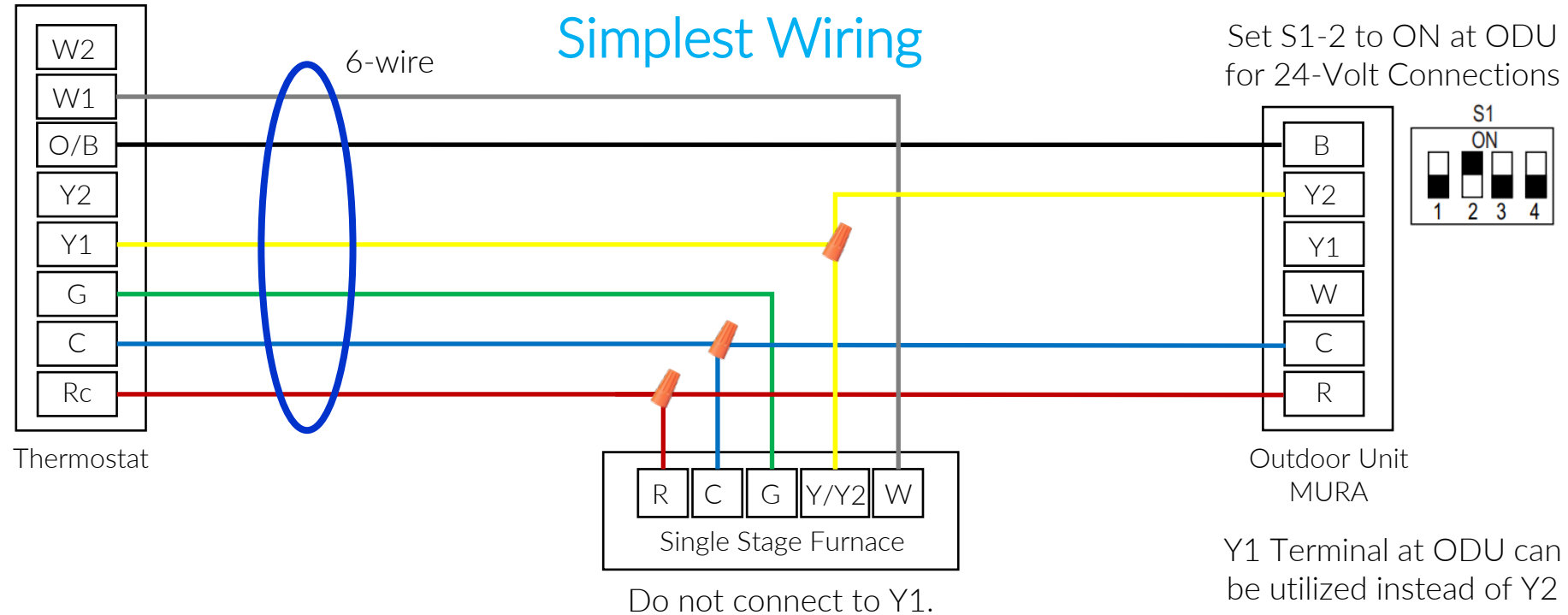
Includes 2-Stage Gas Furnaces utilizing Comfort Heat Technology® or Adaptive Mode.

Make sure when setting up ecobee to disable furnace and heat pump running at same time.
See steps 11 & 12 during initial setup.



ecobee

2 Stage Heat & 1 Stage Cool
1 Stage Heat Pump
1 Stage Gas Furnace



Notes:

High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost.
Furnace will NOT operate during Defrost.

Comfort Heat Technology® - This feature with Adaptive Control is a proprietary function that promotes homeowner comfort through two stages of heating. This furnace offers a patented algorithm that continually monitors and adjusts furnace operation by looking at both current and past conditions to determine the most effective stage of heating and the amount of time to run each stage, every cycle.

Controls



Attention:
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for Dual Fuel Applications.



38MURA & 1-Stage Gas Furnace – Dual Fuel Applications

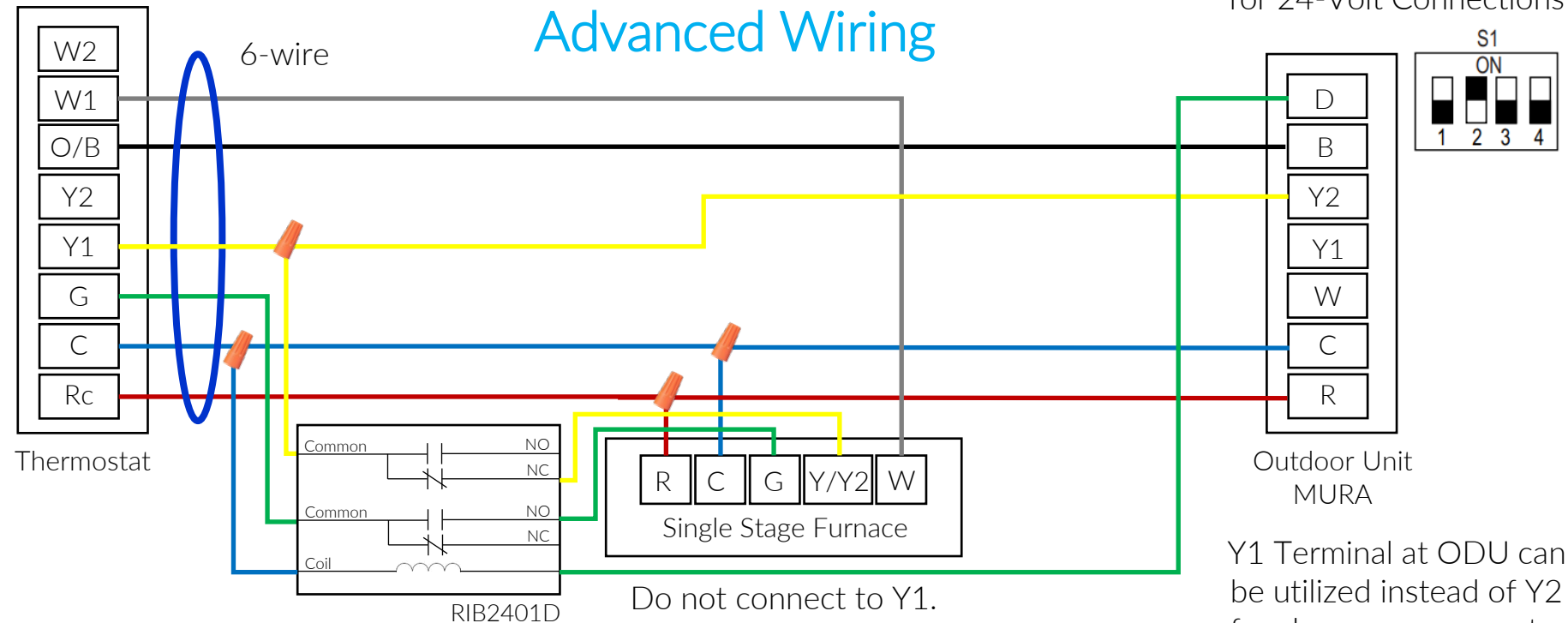
Includes 2-Stage Gas Furnaces utilizing Comfort Heat Technology® or Adaptive Mode.

Same as last diagram, BUT fan will shut OFF during defrost. If utilizing Y/Y2, Y1 and G, all three must be broken to shut indoor fan OFF during defrost.



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2 Stage Heat & 1 Stage Cool
1 Stage Heat Pump
1 Stage Gas Furnace



Notes:

High Voltage wiring to equipment not shown.
Indoor Fan OFF during Defrost with relay.
Furnace will NOT operate during Defrost.

Comfort Heat Technology® - This feature with Adaptive Control is a proprietary function that promotes homeowner comfort through two stages of heating. This furnace offers a patented algorithm that continually monitors and adjusts furnace operation by looking at both current and past conditions to determine the most effective stage of heating and the amount of time to run each stage, every cycle.

Controls



Attention:
CE recommends ecobee
for Dual Fuel Applications.



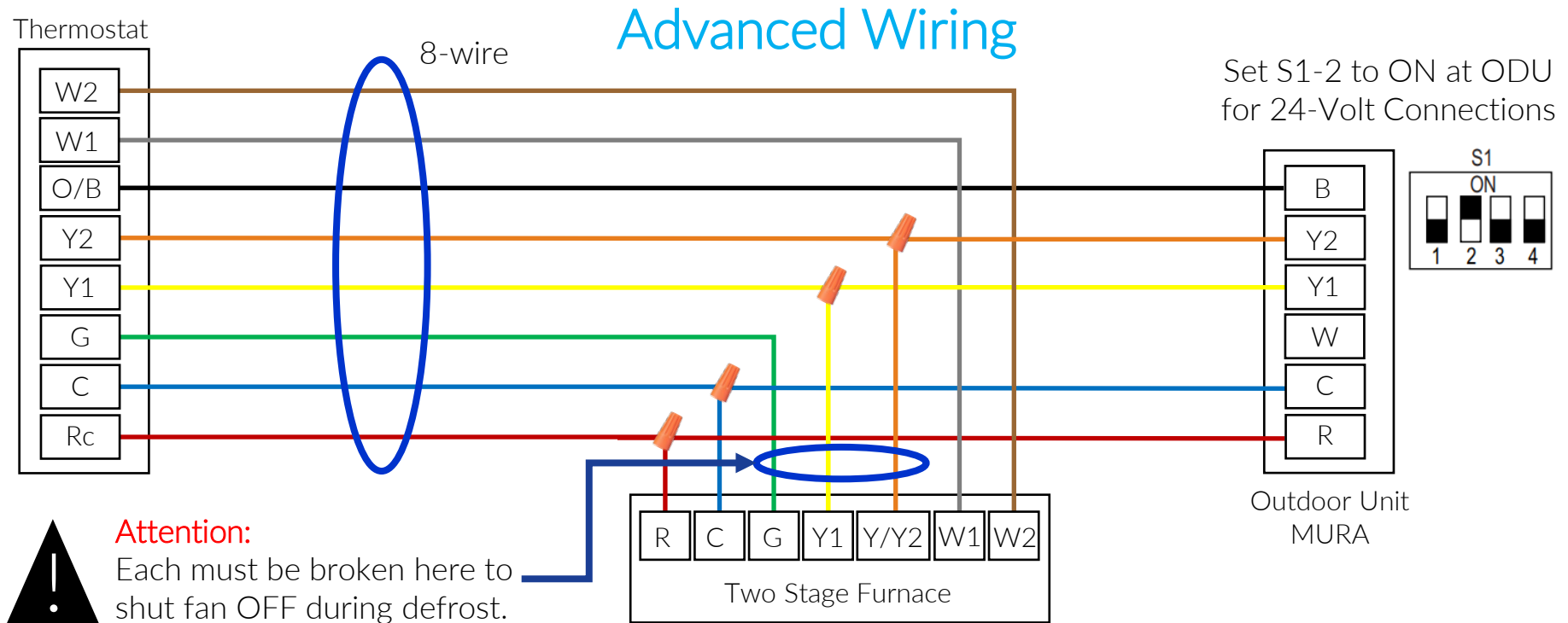
38MURA & 2-Stage Gas Furnace – Dual Fuel Applications

Make sure when setting up ecobee to disable furnace and heat pump running at same time.
See steps 11 & 12 during initial setup.



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4 Stage Heat & 2 Stage Cool
2 Stage Heat Pump
2 Stage Gas Furnace



Notes:

High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost, unless relay added.

For two stage thermostat control of the furnace staging, turn SW1-2 ON at the furnace control board (58TP/59TP/82(0,1)TA/926TB)

Controls



Attention:
CE recommends ecobee
for Dual Fuel Applications.



38MURA & 1-Stage Oil Furnace – Dual Fuel Applications

Make sure when setting up ecobee to disable furnace and heat pump running at same time.
See steps 11 & 12 during initial setup.

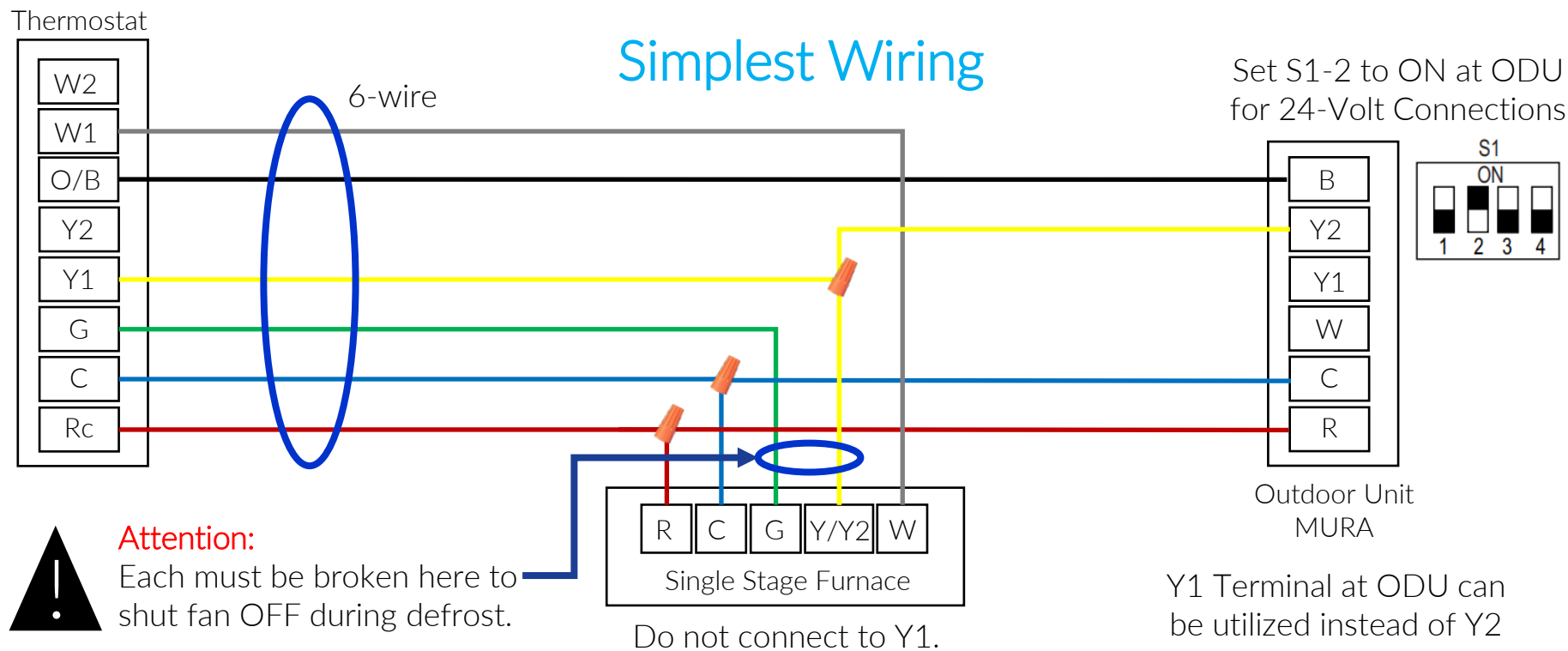


ecobee

2 Stage Heat & 1 Stage Cool
1 Stage Heat Pump
1 Stage Oil Furnace

Notes:

High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost, unless relay added.
Furnace will NOT operate during Defrost.



Controls



Attention:
CE recommends ecobee
for Dual Fuel Applications.



38MURA & 1-Stage Oil Furnace – Dual Fuel Applications

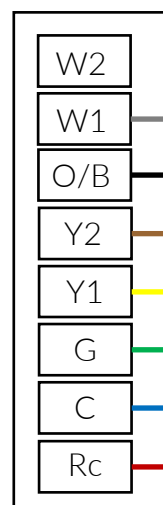
Make sure when setting up ecobee to disable furnace and heat pump running at same time.
See steps 11 & 12 during initial setup.



ecobee

3 Stage Heat & 1 Stage Cool
2 Stage Heat Pump
1 Stage Oil Furnace

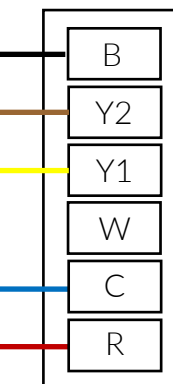
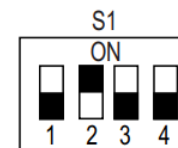
Thermostat



6-wire

Advanced Wiring

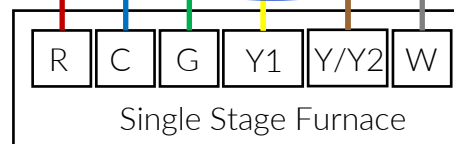
Set S1-2 to ON at ODU
for 24-Volt Connections



Outdoor Unit
MURA



Attention:
Each must be broken here to
shut fan OFF during defrost.



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

Notes:

High Voltage wiring to equipment not shown.
Indoor Fan ON during Defrost, unless relay added.
Furnace will NOT operate during Defrost.