Standard AC with Standard Furnace Control Wiring

- **W**: 1st Stage Heat (White)
- **R**: 24 Volt+
- **G**: Fan Only Operation
- **C**: Common
- **Y**: Air Conditioning

This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.

**NOTE**

- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.
Standard AC with Two Stage Furnace Control Wiring

- **R** 24 Volt+
- **G** Fan Only Operation
- **C** Common
- **Y** Air Conditioning
- **W** 1st Stage Heat (White)
- **W2** 2nd Stage Heat (Brown)
- **Y2** 2nd Stage AC

**NOTE**

Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.

**NOTE**

- *Place a jumper connecting Y1 and O.*
- **Refer to the blower chart for CFM requirements. Jump if needed to achieve correct CFM.*
- *Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.*

This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.
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- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.
Standard AC with Standard Air Handler and Single Stage Backup Heat Control Wiring

R: 24 Volt+
G: Fan Only Operation
C: Common
Y: Air Conditioning
W: 1st Stage Heat (White)
W2: 2nd Stage Heat (Brown)

Standard Single Stage Heat Thermostat

Standard Air Handler

Standard A/C Condenser

Wire Size: 18 Gauge

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NOTE
- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.
Standard AC with Standard Air Handler and Two Stage Backup Heat Control Wiring

- R: 24 Volt+
- G: Fan Only Operation
- C: Common
- Y: Air Conditioning
- W: 1st Stage Heat (White)
- W2: 2nd Stage Heat

This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.

Wire Size: 18 Gauge

NOTE

- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.
Standard AC with Variable Speed Air Handler
Control Wiring (No Heat)

**Wire Size: 18 Gauge**

This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.

- **R** 24 Volt+
- **G** Fan Only Operation
- **C** Common
- **W1** 1st Stage Heat (White)
- **O** AC Reversing Valve
- **Y1** 1st Stage AC
- **Y2** 2nd Stage AC
- **W2** 2nd Stage Heat

**NOTES**

- *Place a jumper connecting Y1 and O.*
- ****Refer to the blower chart for CFM requirements. Jump if needed to achieve correct CFM.
- *Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.*
Standard AC with Variable Speed Air Handler and Two Stage Heat Control Wiring

This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.

NOTES
- *Place a jumper connecting Y, and O.
- **Refer to the blower chart for CFM requirements. Jump if needed to achieve correct CFM.
- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire.

Wire Size: 18 Gauge

24 Volt+
Fan Only Operation
Common
1st Stage Heat (White)

AC Reversing Valve
1st Stage AC
2nd Stage AC
2nd Stage Heat

Two Stage Heat Thermostat
Variable Speed Air Handler
AC Contactor
Standard Condenser
Standard AC with Variable Speed Air Handler and Single Stage Heat Control Wiring

- **R**: 24 Volt+
- **G**: Fan Only Operation
- **C**: Common
- **W1**: 1st Stage Heat (White)
- **O**: AC Reversing Valve
- **Y1**: 1st Stage AC
- **Y2**: 2nd Stage AC
- **W2**: 2nd Stage Heat

**NOTES**

- *Place a jumper connecting Y. and O.*
- **Refer to the blower chart for CFM requirements. Jump if needed to achieve correct CFM.*
- Some AC Systems will have a blue wire with a pink stripe in place of the yellow or Y wire. This diagram is to be used as reference for the low voltage control wiring of your heating and AC system. Always refer to your thermostat or equipment installation guides to verify proper wiring.