



ESP-J Series

115V Conversion Instructions

Kit #AC-ESPJ-115V

All SpacePak J series air handlers are delivered from the factory configured to operate on 230V input power. The J series units are field convertible to 115V input.

The conversion kit contains the following:

- Wiring Diagram Label (WG0875-12)
- Wiring Diagram Conversion Instructions (WG0859)
- Electrical Voltage Conversion Label (WG0861)
- Jumper Wire (WG0862)

The following instructions provide the procedure to complete this conversion.

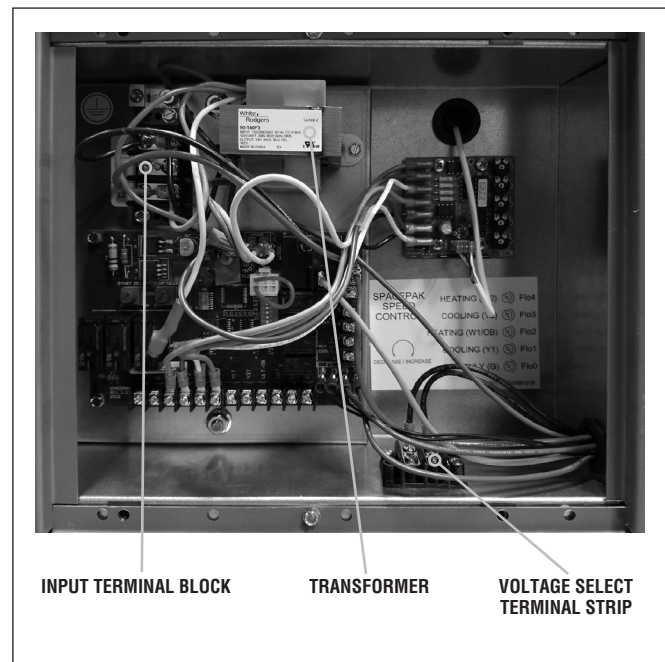
1. Before beginning the conversion, ensure that the power is supplied by a dedicated circuit of no less than #14 AWG copper conductors, and the circuit is protected by an overcurrent protective device (fuse or circuit breaker) rated at no greater than 20 amps.
2. Ensure that no electrical connections are made to the unit.

REFERENCE FIGURE 1 FOR THE FOLLOWING INSTRUCTIONS:

3. Remove the ORANGE wire from the L2 terminal of the power input block, and cap or cut and insulate it to ensure it does not contact any other circuit or surface.
4. Remove the RED wire from the L2 terminal of the INPUT TERMINAL BLOCK, and place it on the N terminal.
5. Unwrap the WHITE wire from the Transformer and connect it to the N terminal on the INPUT TERMINAL BLOCK, common with the RED wire, and tighten the screw.
6. Place the short jumper (part# WG0862) supplied with the conversion kit, on the VOLTAGE SELECT TERMINAL STRIP at the bottom of the electrical box.
7. Complete the included conversion label (part# WG0861) and affix it to the outlet panel of the unit. Remove the Wiring Diagram page from this packet, and place it in the Instruction & Operation Manual to replace the existing diagram. Remove the wiring diagram label from this package and apply it to the inside of the control box cover, directly over the existing label.



Figure 1



8. Before making any connection, check for continuity from L1 to N on the power input strip. The continuity should measure 50-100 ohms. Less than that may indicate a short. Double check the wiring before proceeding.
9. Complete the installation by connecting the Line, Neutral, and ground wires to the input power block. Replace the electrical box cover, and resume installation per the IOM.

WARNING: These instructions are intended for use on ESP-J series air handlers that are being converted from 230V to 115V. This conversion should only be performed by a qualified licensed service technician. Failure to comply could result in property damage, serious injury, or death.

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Figure 2: ESP 115V Wiring Diagram (WG0875-12)

