

## Resistor Hookup Instructions for PE® R2.12, R2.15, & R2.18 Resistor Frames

What resistor models have these frame sizes?\*

Resistors that pair with 208-230 VAC VFDs:	Resistors that pair with 380-415 VAC VFDs:	Resistors that pair with 460 VAC VFDs:	Resistors that pair with 575 VAC VFDs:
R1023HF (R2.18)	-	R1046HD, and E (R2.12)	R1557HD, and E (R2.18)
R1523HD, and E (R2.15)		R1046HF (R2.18)	

1. Remove the **8mm bolts** (circled) from the side cover closest to the knockout holes.
2. Select and remove a knockout hole on the resistor housing in a location that is convenient for your conduit location.
3. Run your wires/leads through the conduit/knockout hole from Step 2. **Use the same gauge wire as the motor leads you are using for the VFD** (consult the VFD manual).
4. Securely tighten your leads to the wire connection screws circled in the picture.



*R2.12 size shown. Outer frame dimensions are different, but the instructions are the same for other sizes.*

NOTE: This resistor model may have a thermal switch near the wire connections (as visible toward the left side of the picture). DO NOT connect anything to this element as it is not needed in this application.

5. Inspect the resistor frame and resistor elements to **make sure no part of the resistor is contacting the frame or is bent, or has any loose/foreign metallic pieces within the resistor**. Remove or gently bend any parts or pieces back into place if required.
6. Replace the side cover and bolts back on the resistor.
7. Connect the other end of the resistor leads to the “P1” and “P2” terminals on your VFD (on some VFD models the resistor terminals are labeled “B” and “P”).



\*Resistor frame sizes, names, and dimensions are subject to change. Additionally, models not listed in the table may use this frame, and some models listed may no longer use this frame size.