Step 1: For Pole mounting of the unit, install the brackets with cleats away from the front of the unit. For square post or wall mounting, install the brackets with cleats toward the front of the unit.

Step 2: Mount the unit to the Pole or Post with 4” to 5” lag bolts (not included); for walls, use screws or bolts appropriate for the installation.

Step 3: Measure, cut to length, and install a piece of 3/4” flexible conduit (not included) to fit between the VIPx unit and the rectifier. A hole for a 3/4” conduit connector can be drilled in the bottom of the rectifier using a 1-1/8” step bit.

Step 4: Route the cables from inside the VIPx unit through the conduit into the rectifier.

Step 5: Zip-tie the AC detect probe to one hot leg of the AC. Connect the red and black wires to the orange and blue wires coming out of the signal cable (orange butts to red & blue butts to black).

Step 6: Locate the Power cable from the VIPx unit and then locate a voltage between two of the secondary taps of the rectifier between 12VAC and 25VAC (15VAC to 20VAC is optimal). Connect the 2 wires to the secondary taps using ring terminals.

Step 7: Locate the larger cable from the VIPx unit and measure the distance from the conduit to the front of the rectifier. Allow a small loop of wire and cut the cable to match the needed length.

Step 8: Using fork and ring terminal connectors, place the Black & Red wires to the rectifier Voltage outputs and connect the Green and White wires to the shunt. NOTE: Be sure to isolate and insulate unused wires with electrical tape to avoid shorts and grounds.

Step 9: Unplug the power connector from the front of the VIPx unit, turn the rectifier on and check the voltage at the VIPx power plug by touching the Meter leads to the connector screws on the plug. The voltage should be 12VAC to 25VAC. After voltage is confirmed plug in the power plug and turn on the VIP-X unit.