The main 120/240-volt, 30-amp power must be supplied to the HPR-1’s relay “primary or line” terminals using the proper cable and cord connector. A suitable over-current protection device such as a circuit breaker or fuse must be used in-line with the main power. The “secondary or load” side of the heavy-duty relay inside the HPR-1 can then be connected to the device you will be controlling. Although the maximum capacity of the HPR-1 is 30-amps, the unit can be connected to 15-20 amp circuit breakers to control smaller loads. The following is just one example of the configurations, which can be used.

*NOTE: Consult a licensed electrician if you do not fully understand the instructions for the HPR-1.

1) Secure the enclosure to a wall using appropriate hardware.
2) Once the appropriate cord and connector is selected, the connections can be made inside the HPR-1.
3) Disconnect power to all devices before continuing. Make sure the “trigger” cable is disconnected.
4) Open the HPR-1 and identify the (5) terminals, which will be used.
5) Carefully strip the cable from your main power source and pass it through the strain relief connector on the left side.
6) Connect the Green or bare wire to the single “Ground” terminal.
7) Connect the other two wires, (120/240vac) to the terminals on the “top” of the relay.

CONNECTING YOUR EQUIPMENT

1) Carefully strip the cable from your equipment and pass it through the strain relief connector on the right side.
2) Connect the Green or bare wire to the single “Ground” terminal where the incoming ground wire is connected.
3) Connect the other two wires from your equipment, (120/240vac) to the terminals on the “bottom” of the relay. If you are using 120vac power, make sure to connect the white wire from your equipment to the terminal opposite the white wire from the main power.
   * Make sure the wiring is routed so that it does not contact or obstruct the operation of the relay.
4) Re-secure the enclosure cover.
CONNECTING THE 120 VOLT “TRIGGER”

The small cable coming from the HPR-1 is the 3-wire “trigger” cable. It is a 120vac signal cable which will turn on the heavy-duty relay inside the HPR-1 when power is applied to the plug. Connect the trigger to the device you will be using to control the HPR-1 remotely.

APPLICATION EXAMPLE

This example shows an HPR-1 connected to an AIR-1. The HPR-1 in this example is connected to a large air conditioner that is controlled by the AIR-1.

PRECAUTIONS

1) **DO NOT** expose the HPR-1 to water. The plastic enclosure is corrosion-proof, it is not water-proof.
2) **DO** connect the HPR-1 to a source of dedicated 30-amp, 120/240vac power.

WARRANTY

The HPR-1 is warranted against defects in workmanship for **THREE** years.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger voltage (signal to relay)</td>
<td>120vac</td>
</tr>
<tr>
<td>Main power voltage (power to equipment)</td>
<td>120/240vac</td>
</tr>
<tr>
<td>Maximum relay amperage (Resistive)</td>
<td>30-Amps @ 120/240vac</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>0-50°C</td>
</tr>
<tr>
<td>Operating humidity range</td>
<td>0-99% RH (non-condensing)</td>
</tr>
<tr>
<td>Relay operations (minimum)</td>
<td>100,000 electrical / 1,000,000 mechanical</td>
</tr>
<tr>
<td>Weight</td>
<td>Less than 3 lbs</td>
</tr>
<tr>
<td>Dimensions</td>
<td>8” x 6” x 3.5”</td>
</tr>
</tbody>
</table>

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