These kits are designed for the 9200 model gate operators. For cold weather climates where temperatures routinely drop below 40°F (4°C). A built-in thermostat will automatically control the temperature inside operator housing.

High Voltage AC Input Power for the 9200 Gate Operator with a Heater

DO NOT use the “high voltage wire size and distance limitations” table in the Installation/Owner’s manuals to determine the high voltage AC input power wire size and distance limitations for the gate operator because of a much greater current draw when using the heater. Use the tables below to determine the wire size and distances for your chosen gate operator when a heater is installed. EACH operator should have a “Dedicated” circuit breaker at the power source.

If the high voltage AC input power wiring is greater than the maximum distance shown, it is recommended that a service feeder be installed. When large gauge wire is used, a separate junction box must be installed for the operator connection. Wire run distances are based on NEC guidelines for copper wire allowing a maximum 3% voltage drop on the line. The calculated distance was then further reduced by 10% to allow for other loses in the system. Never run low voltage rated wire insulation in the same conduit as high voltage rated wire insulation. Keep them in separate conduits.

**High voltage AC input wire size and distance limitations for a 9210 - 115 VAC with a heater.**

<table>
<thead>
<tr>
<th>Phase (Ø)</th>
<th>Model</th>
<th>Horsepower</th>
<th>Volts</th>
<th>Operator and Heater Amps</th>
<th>Wire Size / Max Distance in Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9210</td>
<td>1 HP</td>
<td>115 VAC</td>
<td>16.3</td>
<td>65</td>
</tr>
</tbody>
</table>

Note: EACH operator should have a “Dedicated 20 Amp” minimum circuit breaker at the power source.

**High voltage AC input wire size and distance limitations for a 9200 - 208/230/460 VAC with a heater.**

<table>
<thead>
<tr>
<th>Phase (Ø)</th>
<th>Model</th>
<th>Horsepower</th>
<th>Volts</th>
<th>Operator and Heater Amps</th>
<th>Wire Size / Max Distance in Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9210</td>
<td>1 HP</td>
<td>208 VAC</td>
<td>8.4</td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>9210</td>
<td>1 HP</td>
<td>230 VAC</td>
<td>8.3</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td>9220</td>
<td>2 HP</td>
<td>208 VAC</td>
<td>14.9</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>9220</td>
<td>2 HP</td>
<td>230 VAC</td>
<td>15.1</td>
<td>145</td>
</tr>
</tbody>
</table>

In bi-parting (dual) gate applications, high voltage AC input power is required for EACH 9200 operator with heater.
Installation of Heater

Each Kit Includes: Heater with 2 securing bolts / mounting plate with 2 bolts and nuts.

Shut off the AC input power to the operator from the circuit breaker.

Remove clear plastic electronic box cover. Remove the 3 locknuts inside the electronic box to swing box open.

Bolt mounting plate to heater with 2 supplied bolts and nuts.

Slide heater into the gear reducer bracket as shown below and bolt heater to the bracket with 2 supplied securing bolts.

Run the 2 power wires as shown below. Keep wires away from the heater vents and make sure wires do not get pinched in the electronic box’s folding hinge.

Power Connection

Connect the 2 heater power wires according to operator AC power type.

Heater Switch

ON - Normal setting. Automatically turns the heater and fan ON when the temperature drops below 40°F (4°C) inside the operator, and turns the heater and fan OFF when the temperature rises above 55°F (13°C) inside the operator.

OFF - Turns the heater/fan off.

Note: The gear reducer bracket may need to be spread apart a little to get the heater to slide in.

Older 9200s must have 2 holes drilled in the gear reducer bracket for the securing bolts.