Gas Pressure Setting

Ensure gas pressure under Commissioning has been completed first. The regulator is electrically controlled and Notifies you pre-set. Under normal circumstances, gas pressure adjustment may be required. Make adjustments only if the unit is in operation and all other possible causes for incorrect operation or performance have been eliminated.

1. Turn OFF the gas supply.
2. Turn OFF the 120V power supply.
3. Remove the front panel from the water heater.
4. Check the gas type using the data plate on the side of the unit.
5. If using a spare PC board, check that the gas type switches are in the correct position (Fig. 6). 1 of 3G ON for natural gas.
6. Disconnect igniter harness from the igniter plug. See igniter harness section below. (ON is towards the right and OFF is towards the left).
7. Attach the pressure gauge to the burner test point, located on the gas valve (Fig. 1). Set your meter to the hertz scale. Reading across the white and black wires at terminals 2 and 4 allows this controller to be used.

Thermal Fuse / Overheat Switch:

Indicates temperature being supplied, being supplied or in reverse.:

Amp Fuses:

Red - Blue 11 ~ 13 VDC 22 ~ 28 ohms F5 9 - 10
Red - Black 6 ~ 45 VDC N / A E1 1 - 2
Yellow - White (Unit in operating mode) G1 3 - 5
Orange - White 2 ~ 6 VDC 15 ~ 35 ohms G1 2 - 5

WARNING

DO NOT adjust the other dip switches unless specifically instructed to do so. Incorrect Dip Switch Settings can cause the water heater to operate in an unsafe condition and may damage the water heater and/or other equipment.

Dip Switch Settings

Adjust switches 2 and 3 in the bank of 8 depending on your altitude according to the table below:

<table>
<thead>
<tr>
<th>SW No.</th>
<th>Off</th>
<th>Level 0</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>0 ~ 2000</td>
<td>2001 ~ 4000</td>
<td>4001 ~ 6000</td>
<td>6001 ~ 8000</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>2001 ~ 3000</td>
<td>3001 ~ 4000</td>
<td>4001 ~ 5000</td>
<td>5001 ~ 6000</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>2001 ~ 3000</td>
<td>3001 ~ 4000</td>
<td>4001 ~ 5000</td>
<td>5001 ~ 6000</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>2001 ~ 3000</td>
<td>3001 ~ 4000</td>
<td>4001 ~ 5000</td>
<td>5001 ~ 6000</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>2001 ~ 3000</td>
<td>3001 ~ 4000</td>
<td>4001 ~ 5000</td>
<td>5001 ~ 6000</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>2001 ~ 3000</td>
<td>3001 ~ 4000</td>
<td>4001 ~ 5000</td>
<td>5001 ~ 6000</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>2001 ~ 3000</td>
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