Gas Pressure Setting
Ensure gas pressure check and water Commissioning has been completed first. The regulator is electronically controlled and does not require adjustment during installation. Make adjustments only if the unit is not operating correctly and all other possible causes for incorrect operation have been eliminated.
1. Turn OFF the gas supply.
2. Turn OFF the water supply.
3. Remove the front panel (four screws).
4. Check the gas type using the data plate on the side of the unit.
5. Confirm that the gas switch is in the correct position (ON/OFF button).
6. Check that the gas is turned on at the water heater, meter, or cylinder.
7. If the system is piping, make sure that gas in the tank, meter, or cylinder is properly pressurized.
8. Ensure gas lines, meter, and/or regulator is properly pressurized.
9. Check for gas leakage.
10. Ensure proper venting material was installed.
11. Ensure condenser coil was installed properly.
12. Ensure vent length is in limits.
13. Verify dip switches are set properly.
14. Check power supply for loose connections.
15. Check all gas supply and voltage drops.
16. Check flame rod for carbon build-up.
17. wires and reconnect all wiring harnesses on unit and PC board.
18. Check for PC board at components.
19. Check gas solenoid valves for open or short circuit.
20. Check burner plate, inspect burner surface for condensation/leaks.
21. Check the ground wire for the PC board.

Thermal Fuse
22. Check that the water heater is in the ON position.
23. Check that all gas supply and voltage drops.
24. Check flame rod for carbon build-up.
25. Check the ground wire for the PC board.

Over Temperature Warning
26. Check for low water flow in a circulating system causing short-cycling.
27. Check for improper conversion of product.

Electrical Grounding
28. Check all components for electrical shield.

Dip Switch Settings
Adjust switches 2 and 3 of Dip SW1 depending on your application according to the table below.

Dip SW1

<table>
<thead>
<tr>
<th>Dip SW1</th>
<th>High Voltage</th>
<th>Off</th>
<th>Low Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ON</td>
<td>Off</td>
<td>OFF</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>Off</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>Off</td>
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</tr>
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Important Safety Notes
The installation and operation instructions are required when fault finding the product. Extreme care should be used at all times to avoid any electrical shock. Only trained and qualified service technicians should attempt to repair the product. Before checking for resistance readings disconnect the power source to the unit and isolate the lines from the line source and heater.

Composting
With all gas appliances in operation at maximum gas rates, the flow of gas at the inlet should be no greater than the inlet flow rate. The amount of gas brought to the incoming point of gas flow control is determined by the control and the gas supply is inadequate and the unit will not operate to specification. Check the gas regulator meter and check for proper operation on a working basis.

WARNING
This appliance must be installed, serviced and removed by a trained and qualified person. During the installation of the water flow control device, ensure gas valve is turned off before unit is shut off. Failure to do so may result in serious injury to yourself or damage to the unit.

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