

Water Tank Tec® Water Odor-Corrosion Protection Systems

Installation and Operation of This Product: Model RD5201

Attention: REMOVE THE PLASTIC ANODE TIP BEFORE INSTALLING. THIS IS FOR SHIPMENT ONLY.

This Unit Will Only Protect Enameled Carbon Steel Tanks of the following Sizes:

Gas Heater: 10 to 110 Gallons.

Electric Heater: 10 to 110 Gallons.

1. **Warnings against personnel injury and water heater damage in the process of installing the RD5201:**
 - A. **This system must be installed only by qualified persons.**
 - B. Before installing the RD5201 in your tank, turn off electric power/propane/natural gas to your water heater tank. **Defective electric heating elements might cause fatal electric shock to persons installing this product if the Anode contacts the electrical element when placing the unit into the tank if the electric power is not turned off.**

Installation For Non-Recessed Anodes.

The right polarity of the connecting cables must be made. This system will not work if incorrect.

- Potential controller "-" pole (**BLUE CABLE**) 10mm to → Anode bottom (tank ground).
- Potential controller "+" pole (**BROWN CABLE**) 8mm to → connector to Anode top.
- Anode Top **MUST NOT** touch any part of the water heater tank.

Do not drain the water heater tank prior to installation, keep it full. If the coated part of the Anode does not contact the water completely when plugged in, it will not work properly or the working life may be greatly diminished.

Keep the power supply unit **ON** at all times after installation (less than 2 cents per day cost).

Process of Installing RD5201 to Your Tank: NON-RECESSED

- A. Turn off electric or gas power to the water heater tank. Do Not drain the tank.
- B. Turn off water supply to tank and turn on farthest hot water sink faucet until no pressure remains.
- C. Remove existing Anode from Tank.
- D. Install anode sensor rod into tank and tighten.

Standard (non-recessed anode) Wire Connection (see below photo):

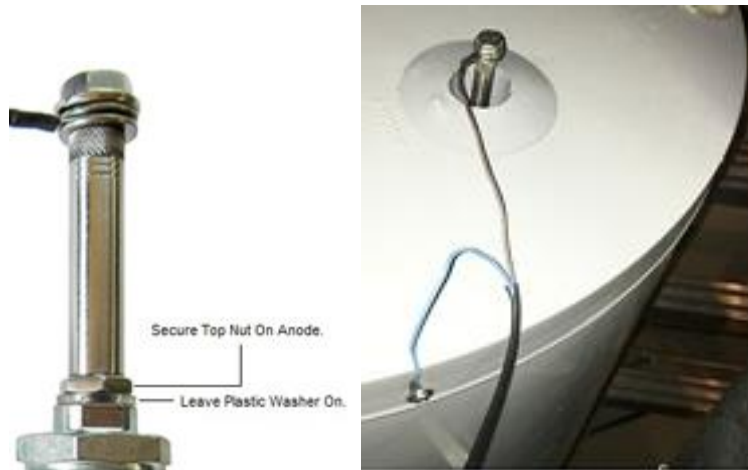
1. Connect the **BLUE** wire **1st** (ground wire) to the Anode Base by inserting the 1st round wire connector into the plastic spacer, then secure with the supplied 10mm nut. Note: The **BLUE** wire **MUST** contact the base of the anode.
2. Connect the **BROWN** wire to the top of the Anode and tighten with the supplied 8mm nut. Plug The Unit In.



Installation For Recessed Anodes.

1. Remove the TOP nut from the Anode, screw the extension rod on. Keep the bottom nut on the Anode screwed tight.
2. Place the supplied washers between the **BROWN WIRE** eyelet and tighten.
3. Find a ground connection on the top of the tank/side and attach the **BLUE WIRE** (see below photos).

Plug the power unit into a 110/220 volt AC outlet. The LED light will flash **Green** for a few seconds then turn solid. If the LED light turns **RED**, check to see if the wiring is correct. **BLUE ground - BROWN positive.**



Possible Reasons When LED is RED:

- The water heater tank is not full of water or has an air pocket in the top of heater.
- Wrong polarity connection (wires reversed or loose connection).
- Open circuit for DC current from controller (wire broken during installation process).
- Power is not enough for your tank (unit installed in electric tank over 110 gallons).

Data of potential controller of RD5201

AC Input: 110-240 V, 1 phase, max 0.03
 Max Output V: 10 V
 Max Output A: 100mA
 Ambient Temp: 0°-70c° [32 to 158 Fahrenheit]
 IP Rate: 20

Data of RD5201 Anode

Anode Thread Size: 3/4 14 NPT
 Anode Material: Grade 1 pure titanium
 Coating: (MMO) Titanium oxide-iridium oxide
 Environment: Potable water
 Operating Temp: Up to 100° Celsius [212 Fahrenheit]

For any questions, please contact us at: mray@waterodor.com