Installation

If present, unscrew the plastic cap from the mixing or injection valve. Thread the actuator on to the valve and hand tighten. Do not use pliers or a wrench. Mount the water temperature sensor in its cradle onto the supply water pipe as shown in illustration on page 2 (or on the supply header for Injection Stations).

Heat transfer paste (supplied with the station) may be used between the sensor, cradle, and header to improve heat transfer and sensor response. Mount the heating curve adjuster near the station (it does not sense air temperature, but works strictly as a ratio setter for outdoor vs. water temperature). Mount the outdoor sensor on the building exterior, away from direct sunlight and other elements which might lead to false readings (exhaust vents, chimneys, etc.).

The non-electric reset control can be used with either constant circulation or stop start control. However, because it takes a few moments for the control to re-adjust to changes in outdoor temperature, it’s more suitable to use with constant circulation.
**Operation**

Each number on the heating curve adjuster represents a specific outdoor to water temperature reset ratio (see heating curve diagram below).

The higher the setting, the higher the system water temperature will be throughout the outdoor temperature range. Actual temperature may differ slightly depending upon piping, boiler temperature, and thermometer location.

- Note that supply water will never be cooler than ambient temperature.
- Recommended adjustment for floor heating:
  - 5 to 2
- For baseboard and radiator systems, a higher heating curve may be acceptable.

**Troubleshooting**

If the building is under-heating, increase the heating curve setting at the adjuster. Likewise reduce the curve setting at the adjuster if the building is overheating. If the system does not respond to changes in heating curve setting or outdoor temperature, check that the actuator is firmly screwed onto the valve. Also examine all of the capillaries for any kinks or damaged sections. If any damage is found, the control may need to be replaced.
Mounting the Non-Electric Outdoor Reset Control on the Viega Injection Station

Mounting the Non-Electric Outdoor Reset Control on the Viega Mixing Station or Diverting Valve

Drill 7/8" Hole

Actuator

To Water Temp Sensor

Outdoor sensor

 Heating Curve Adjuster

DO NOT KINK!
Liquid filled capillary
LENGTH: 26 ft

Liquid filled capillary
LENGTH: 6 1/2 ft

Modulating Safety
High Limit Control

Water sensor

HL 20 high limit kit
must be installed and adjusted

Sensor mounted on system supply

Length: 26 ft

Length: 6 1/2 ft

DO NOT KINK!
Liquid filled capillary

Outdoor Sensor
mount away from direct sunlight exposure and any other elements, which may cause a false reading (air exhaust etc.)

Water Sensor

Drill 7/8" Hole