

Product Instructions

Non-Electric Outdoor Reset Control

Applications

The Non-Electric Outdoor Reset (NR 32) provides outdoor reset water temperature control of a diverting or injection valve.

Features

The NR 32 control is a non-electric modulating valve control. The control modulates system water temperature based upon outdoor temperature and the selected ratio setting (see heating curve diagram).

Specifications

Capillary length from outdoor sensor to curve adjuster: **26 feet**

Capillary length from curve adjuster to actuator: **6-1/2 feet**

Capillary length from actuator to water temp. sensor: **6-1/2 feet**

Installation

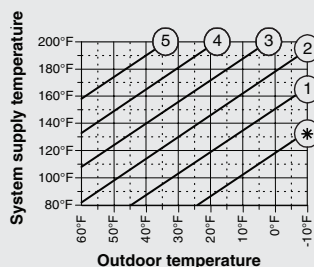
If present, unscrew the plastic cap from the mixing or injection valve. Thread the actuator onto the valve and hand tighten. Do not use pliers or a wrench. Mount the water temperature sensor in its cradle onto the supply water pipe as shown in illustration on page 2 (or on the supply header for Injection 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 circulation pump must be wired for constant circulation with seasonal shut down and start up (the Seasonal Pump And Boiler Switch 18 036 is recommended for this, and is available separately).

Operation

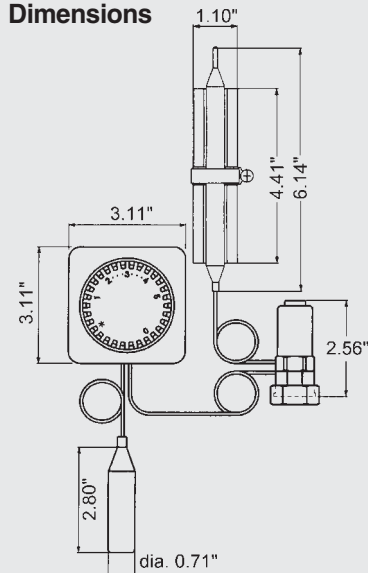
Each number on the heating curve adjuster represents a specific outdoor to water temperature reset ratio (see heating curve diagram). The higher the setting, the higher the system water temperature will be throughout the outdoor temperature range. Actual temperature may differ slightly depending upon piping, boiler temperature, and thermometer location. Note that supply water will never be cooler than ambient temperature.



Recommended adjustment for floorheating: * to 2
For baseboard and radiator systems, a higher heating curve may be acceptable.



Dimensions



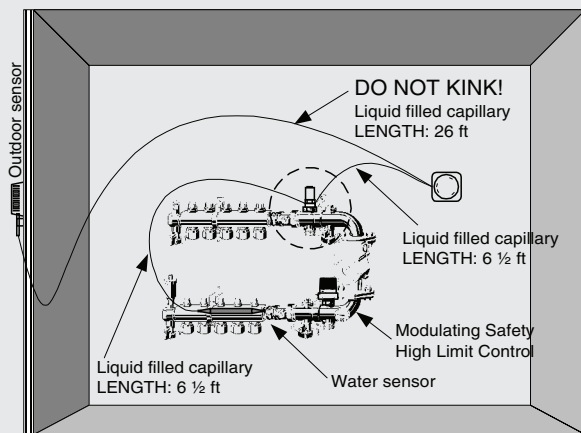
Troubleshooting

If the building is underheating, 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.

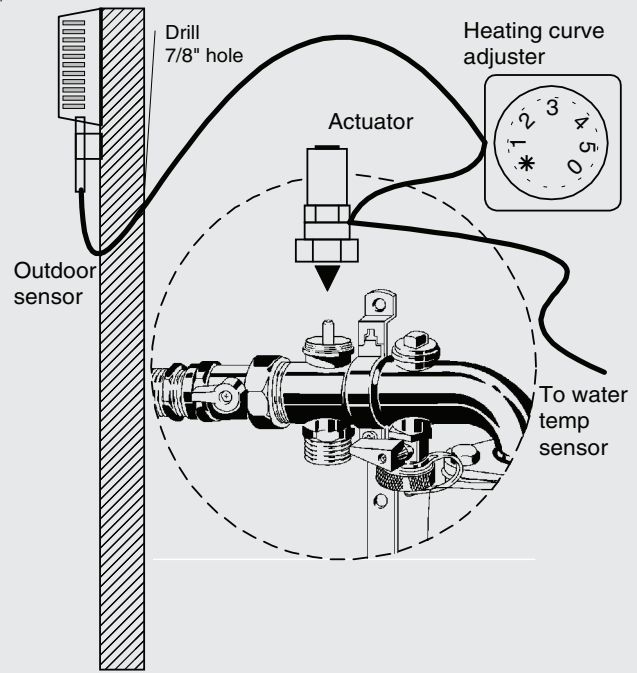
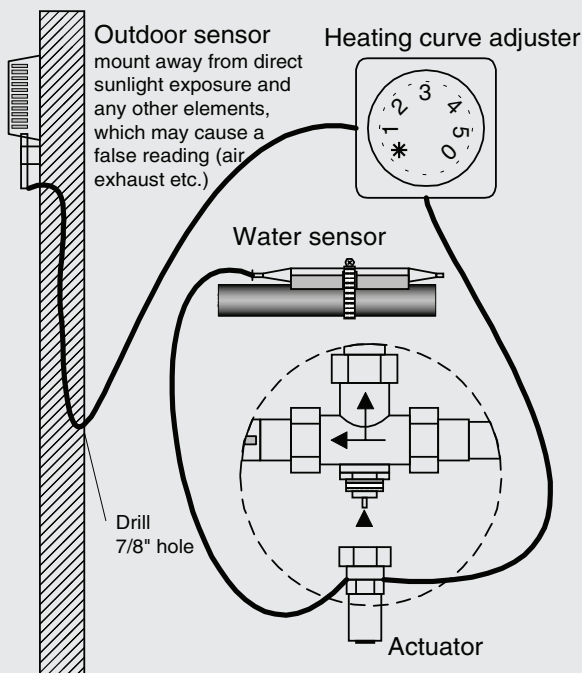
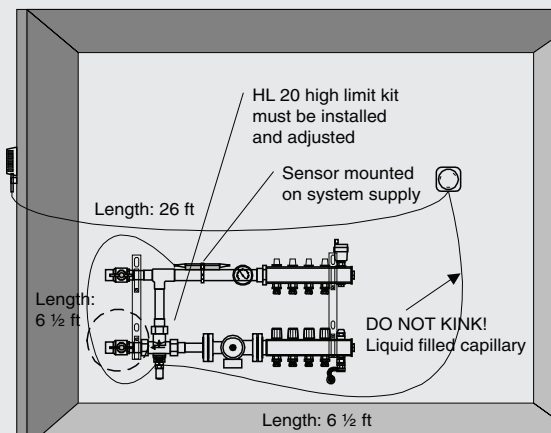
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Mounting the Non-Electric Outdoor Reset Control on the Viega NA Injection Station



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



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