



Universal RI Zone Valve Installation Guide

The Automag **Universal RI** Zone Valve is designed to easily replace any manufacturer's existing zone valve installations.

The **Universal RI** Zone Valve can be easily wired, using the 3 two-wire terminal blocks located on the circuit board, found on the front of the valve head:

- 2-wire thermostat connection
- 2-wire 24 volt AC transformer connection
- 2-wire "TT" end Switch connection

The **Universal RI** Zone Valve includes a state of the art circuit board. This circuit board contains filtered, soft-closed components, that eliminate valve humming and water hammer from instantaneous closure.

Automag Zone Valves utilize 24 Volts DC to close, and are **normally-open** (powered-close). The powered-close feature ensures that the hot water will circulate, by gravity, if power to the zone valve fails.

When using a 14' Valve (#31 Automag Coil) use 8 VA of power

When using a 16' or 25' Valve (#29 Automag Coil) use 10 VA of power

Automag Zone Valves may be installed in any position, however, it is best to install the valve on a horizontal line with the coil on top. This ensures gravitational flow in case of a circulator malfunction. For gravity systems and monoflow systems, the coil must be installed on top.

! The direction of flow for the system must be the same as the directional arrow cast into the valve body.

Automag Zone Valves utilize strainers to avoid excessive debris, flux, or solder from entering the valve. It is recommended to use flux and solder sparingly, when soldering valve into the system.

If the system was converted from steam to hydronic, loose rust and metal particles may be present, which can clog any zone valve. If installing this conversion system, install the Automag Zone Valve with an inline "Y" strainer in front of the zone valve (with ball valves to isolate the system), or use a magnetic dirt and sediment filter.

! Coil cover and coil **MUST** be removed prior to soldering. Do **NOT** disassemble the valve base, or damage/mutilate the valve stem in any way, as this will void the warranty.

! Do **NOT** exceed circulator head rating of the valve. Using a slightly larger pipe size is recommended when a larger oversized circulator is installed.

When working with an existing (discontinued) RS-260 thermostat with adjustable anticipator settings, set the anticipator to 1.0 for best results.



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INDIVIDUAL THERMOSTAT 2-WIRE TO VALVE

*USING EITHER AUTOMAG RS260 OPTION
(RETIRED THERMOSTAT) OR DIGITAL TS 1025*

