

INSTALLATION AND OPERATING INSTRUCTIONS

Hydronic Zone Valves

INSTALLATION INSTRUCTIONS

The valves should close against the water flow. On Armstrong normally closed Two-Way valves the flow should be from port B to port A.

NOTE: When soldering always direct the flametip away from the valve:

Failure to do so will void the warranty.

Instructions for sweating the valve in line:

Prior to soldering the valve place the valve in the manually open position, this should be done slowly and hold in the retaining notch until the gear lever slack is taken up by the retaining spring. The lever will reset to the automatic position once the valve receives it's first electrical charge. The motor housing must always be protected when soldering. Use only no lead solder with a melting point below 600 degrees F. The incoming and outgoing lines need to be cleaned thoroughly i" from each end to ensure a good joint.

NOTE: *In horizontal piping the valve should be positioned in the 9:00 o'clock 12: 00 o' clock and 3:00 o'clock position only. When used in vertical piping the motor housing needs to be protected from drippage.*

OPERATING SPECIFICATIONS

ELECTRICAL RATING:

24 Volt, 50/60 Hz (6.5 WATTS) 0.32 AMP End Switch optional. UL Listed and CSA approved. Transformer not supplied.

ELECTRICAL WIRING:

No: 18 AWG, 105 degrees C wire leads. (On valves without end switches electrical leads are not provided.)

VALVE BODY:

Forged Brass

MOTOR HOUSING:

Polymer resin

RUBBER COMPONENTS:

Buna-N paddle, Viton "O"rings

TEMPERATURE LIMITS:

225 degrees F 105 degrees F ambient

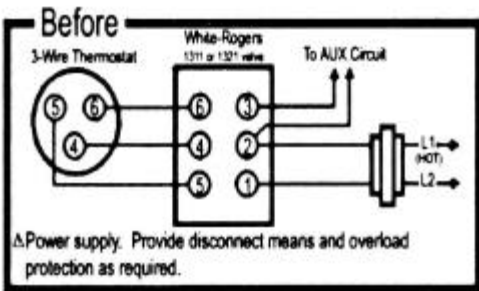
MAXIMUM SYSTEM PRESSURE:

200 PSI maximum

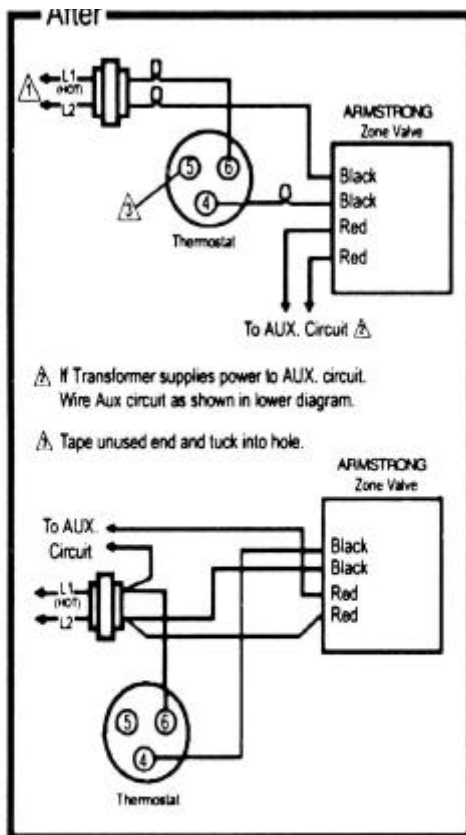
SPECIFICATIONS:

7/16" Port (Standard) 3.7 Cv (Two-Way valve) 7/16" Port (Three-Way valve) 5.0 10 PSI maximum opening/closing differential.

How to replace a White-Rogers 3-wire Valve with an Armstrong Valve.

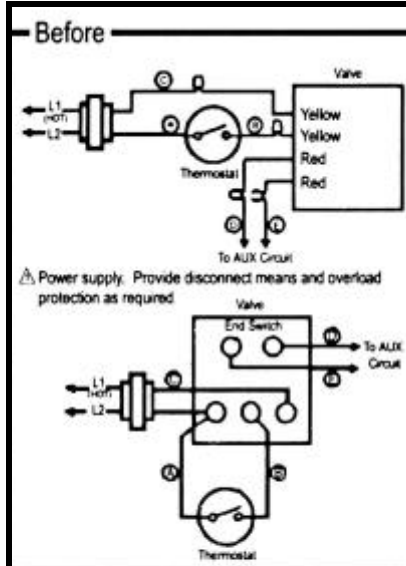


Existing White-Rogers System

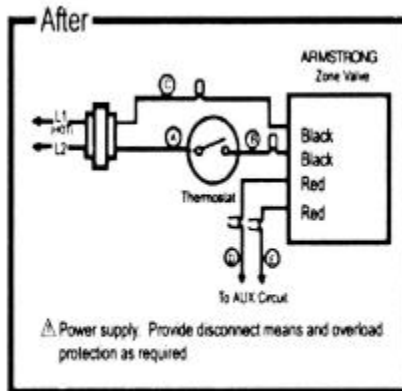


Wiring a Armstrong Zone Valve to a White-Rogers system.

How to replace a Honeywell Valve with an Armstrong Zone Valve.

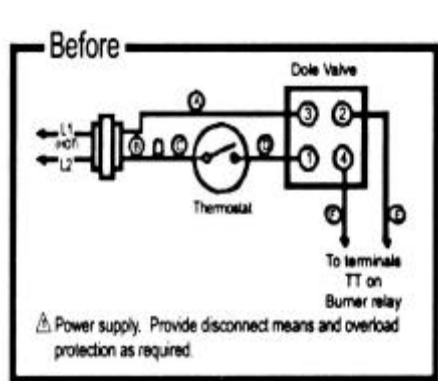


Existing Honeywell System. Wires are identified by letter to correspond to wires on Armstrong Zone Valve.

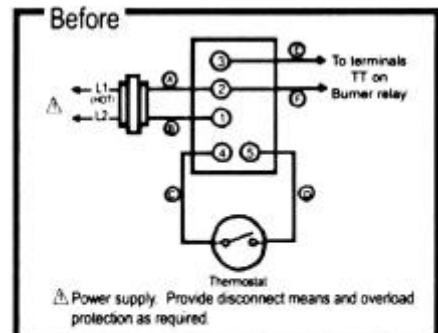


Wiring a Armstrong Zone Valve to a Honeywell system.

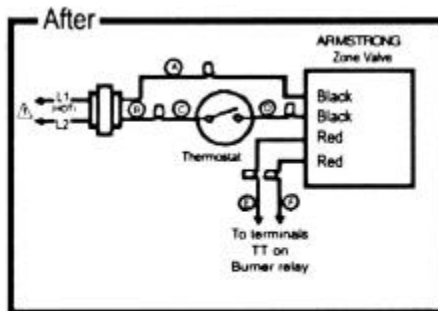
How to replace a Dole or Flair 3-wire Valve with an Armstrong Zone Valve



Existing Dole System. Wires are identified by letter to correspond to wires on Armstrong Zone Valve.



Existing Flair System. Wires are identified by letter to correspond to wires on Armstrong Zone Valve.



Wiring a Armstrong Zone Valve to replace a Dole or Flair 3-Wire system.

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