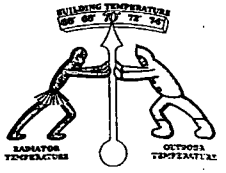
F. I. Raymond Company

629 W. Washington Boulevard **Chicago, Ill.**

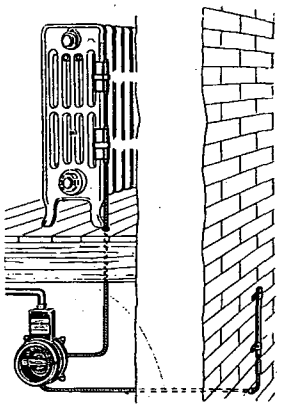
RAYMOND DUO-STAT SYSTEMS OF AUTOMATIC HEAT REGULATION
RAYMOND SYNCRO-FLOW HEATING SYSTEMS

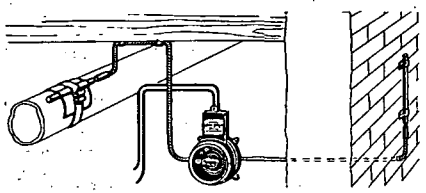


Raymond Duo-Stat for Steam

Two liquid filled thermometer bulbs control a switch in the Duo-Stat. One is placed outdoors, the other is attached to the last radiator on the longest steam line. The switch controls a coal stoker, oil burner, or steam valve. As the outdoor bulb cools below 70° the radiator temperature is raised proportionately above 70° to supply the amount of heat required.

An unexpected advantage of Duo-Stat control for steam heating systems is that it produces low radiator temperatures in any good one pipe, two pipe, vapor, or vacuum heating system. The performance is similar to hot water heat.

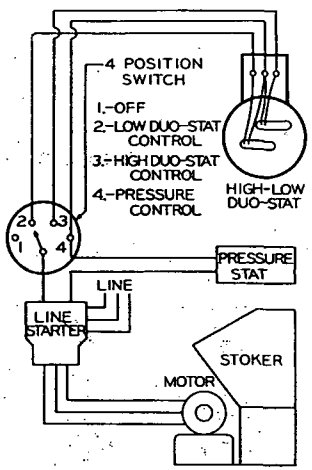




Duo-Stat for Hot Water

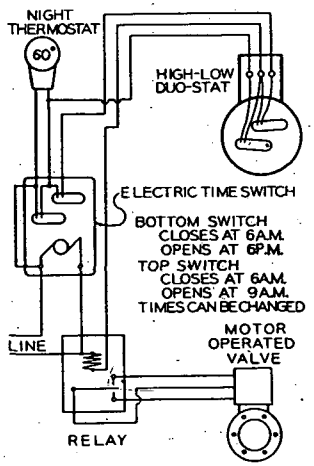
The operation is the same as that of the Duo-Stat for steam. The inside bulb is attached to a hot water main instead of to a radiator.

Typical Wiring Diagrams



These diagrams show two common applications of the High-Low Duo-Stat. One is for stoker control, the other is for district steam service valves.

Other wiring diagrams and complete engineering data will be furnished on request.



See Also Page 765

Jenkins Bros.

Manufacturers of Valves and Mechanical Rubber Goods

Principal Stores and Offices

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PRODUCTS

Jenkins Globe, Angle, Cross, Check, Hose, Blow-Off, Safety and Gate Valves; Radiator Valves; Rapid Action Valves; Steam Traps; Gage Cocks; Regrinding Valves; Needle Valves; Valve Discs; Jenkins '96 and Jenarco Sheet Packing, Gaskets; Pump Valves; Asbestos Jointing; Moncrieff Scotch Gauge Glasses.

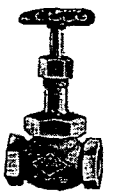
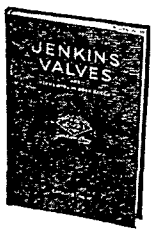


Fig. 106-A Bronze Globe, Screwed. One-piece screw-over bonnet, slip-on, stay-on disc holder

Consult the Jenkins Catalog Full details on over 400 valves with helpful data on layouts

This is more than a catalog. It is a real valve manual. Gives unusually complete details on over 400 different valves, meeting practically every need. Has a large section of engineering data and practical information for men concerned with valves and valve layouts. A copy of this Catalog will be mailed on request.



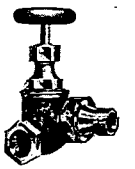


Fig. 180 Bronze Offset Corner, Radiator with Union

Renewable Disc, Bronze and Iron Body Valves

Jenkins Bronze and Iron Body Valves of the globe, angle, cross and check types in standard, medium and extra heavy patterns have renewable discs and disc holders. The renewable, resilient disc, first introduced by Jenkins many years ago, assures absolute tightness. For steam use, the discs are made of hard composition, which becomes pliable in service. For water, gas and air, softer compounds are furnished.

New advantages for valve users are to be found in Jenkins Standard Bronze Valves with the one-piece screw-over bonnet and the slip-on stay-on disc holder. Fig. 106-A, globe, screwed, is shown at the left. This line also includes angle, cross, horizontal and angle check types, screwed and flanged.



Fig. 801 Bronze Globe Valve, Screwed, with renewable composition disc and renewable seat rings, for 250 lbs. steam working pressure.

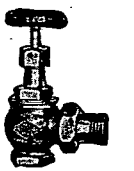


Fig. 168 Radiator Angle, with Union

Radiator Valves

Regularly furnished with two-piece sanitary wheels, or, if desired, with black composition, bronze, wire or iron wheels. Furnished in the new low-bonnet patterns or the regular pattern as supplied for years.

Lock shield valves, to be opefated with key, designed to prevent tampering. Supplied in all patterns.

Corner valves are made in two patterns—regular and offset. Regular styles of finish follow:

Rough body, finished trimmings, No. 1 screwed, No. 6 with union.
Finished and polished all over, No. 2 screwed, No. 7 with union.
Rough body, nickel-plated trimmings, No. 3 screwed, No. 8 with union.
Rough body, nickel-plated all over, No. 4 screwed, No. 9 with union.
Finished and nickel-plated all over, No. 5 screwed, No. 10 with union.



Fig. 352 Bronze Swing Check Valve

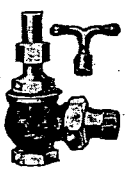


Fig. 170 Bronze Lock Shield Radiator Angle, with Union

A catalog of all the Jenkins valves, giving sizes, styles and list prices, mailed on request.

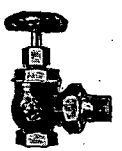


Fig. 853 Low Bonnet Radiator Angle, Male Union

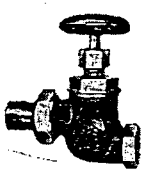


Fig. 859 Low Bonnet Radiator Offset Globe, Male Union

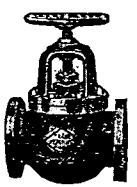


Fig. 142 Iron Body Globe, Flanged



Fig. 325 Iron Body Gate, Screwed



Fig. 370 Bronze Gate, Screwed