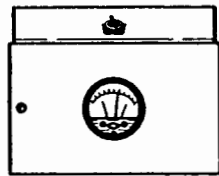


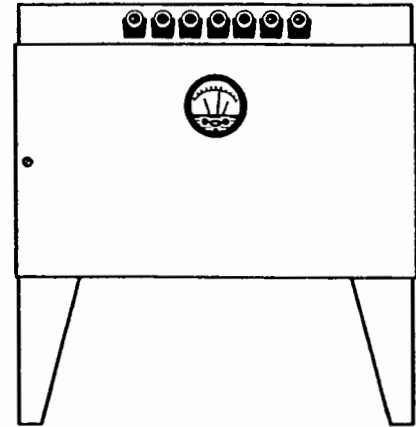
Specification Data

SEQUENCE DRAFT CONTROL USING DWYER PHOTOHELIC® SWITCH/GAUGE

Models GP-SD1 and GP-SD2

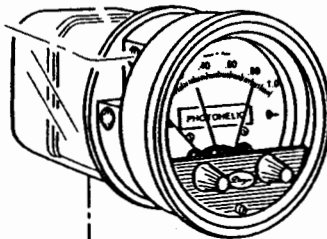


WITH SELF-CONTAINED CABINET



INTEGRAL WITH CENTRAL CONTROL CABINET

Pneumatic Sensing
Line to Boiler
Combustion Chamber
or Boiler Breeching

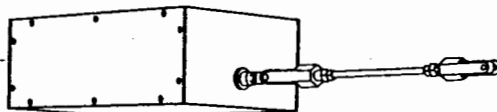
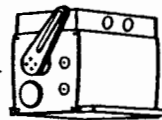


The Photohelic® Switch/Gauge is a versatile, precise pressure switch combined with a Magnehelic® pressure gauge. Gauge reading is unaffected by switch operation. Easy to adjust set points with knob controls. Applied pressure and switch set points are fully visible at all times. Deadband is one pointer width - less than 1% of full scale. For positive, negative or differential pressures as low as 0 to .25" water column and as high as 0 to 20 psig full scale; set points as low as .005" WC on .25" scale unit.

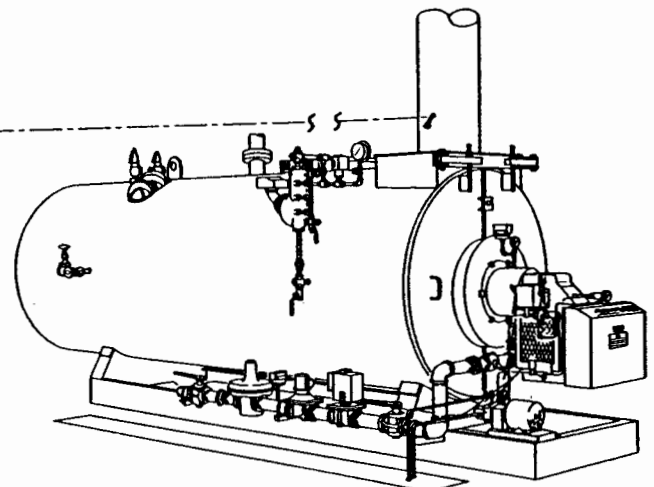
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See Notice on Back Side

Models GP-SD1H and -SD2H (UL Listed)

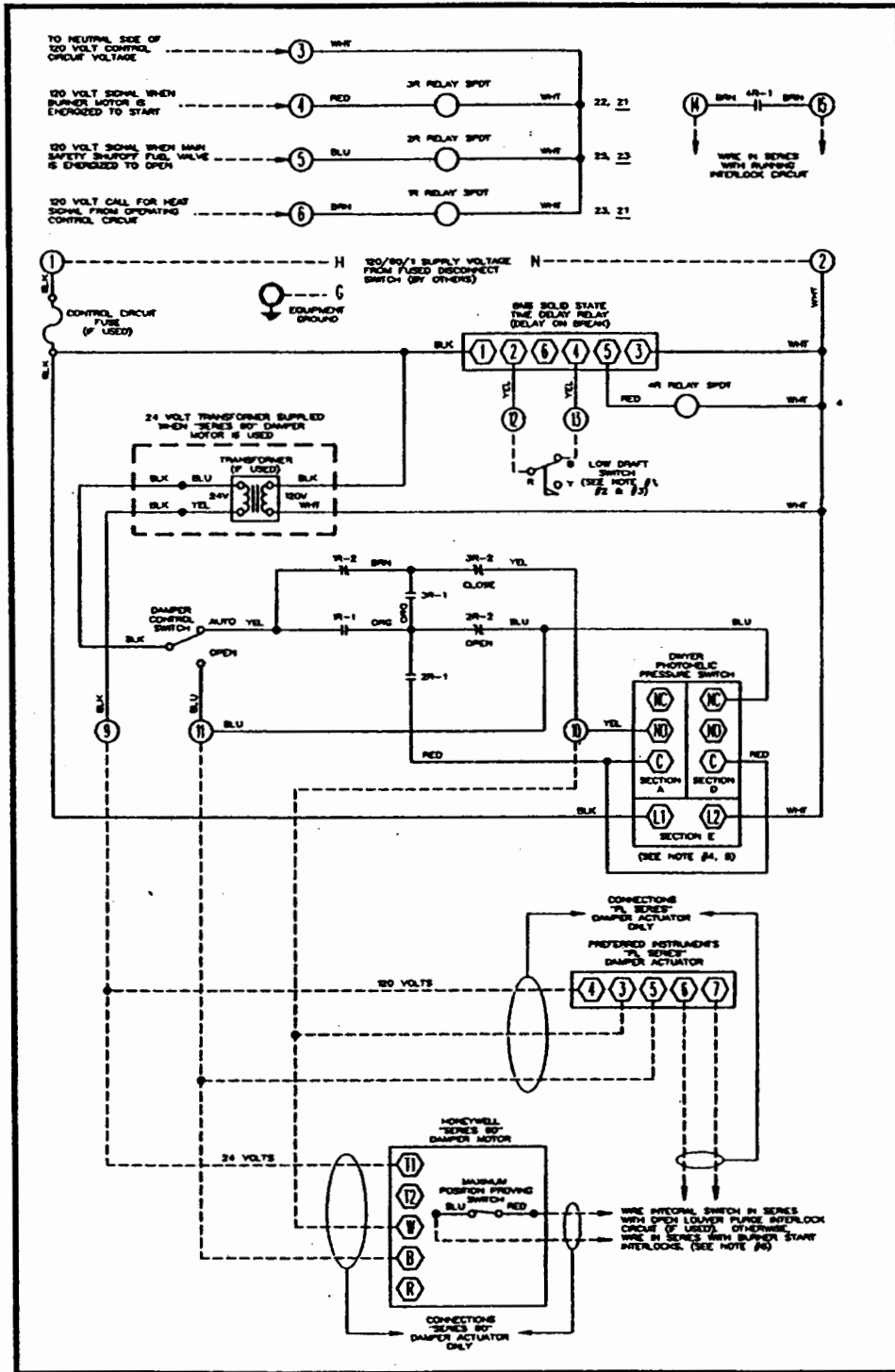


Models GP-SD1P and -SD2P



John Zink sequence draft control systems control the combustion chamber pressure or breeching pressure at the outlet of the boiler or furnace. These systems use a draft sensing device which controls a damper in the outlet of the vessel being fired. All systems drive the damper motor open at the same time the burner flame safeguard is energized through the limit and operating control circuit. The GP-SD1 system maintains the open

damper condition for burner lightoff while the GP-SD2 system moves the damper to a partially open position for lightoff. Both systems automatically control damper position to maintain the proper draft after the burner has started and both return the damper to the closed position after post-purge. A gauge is mounted in the control cabinet to show pressure at the draft control sensing point. A compound gauge is available, if required.



TYPICAL WIRING DIAGRAM

NOTE

Standard models GP-SD1H and GP-SD2H use an actuator with a torque rating of 150 in-lbs. Heavy duty models GP-SD1P and GP-SD2P use a heavy duty actuator and are recommended for dampers in excess of 6 square feet in area and installations that DO NOT have antifriction type bearings.