

NOTE

IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THE APPLIANCE, MUST BE REPLACED, IT MUST BE REPLACED WITH WIRE AS SHOWN, OR ITS EQUIVALENT.

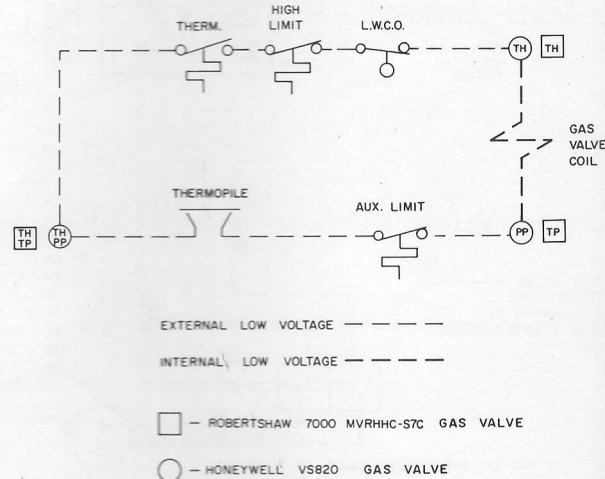
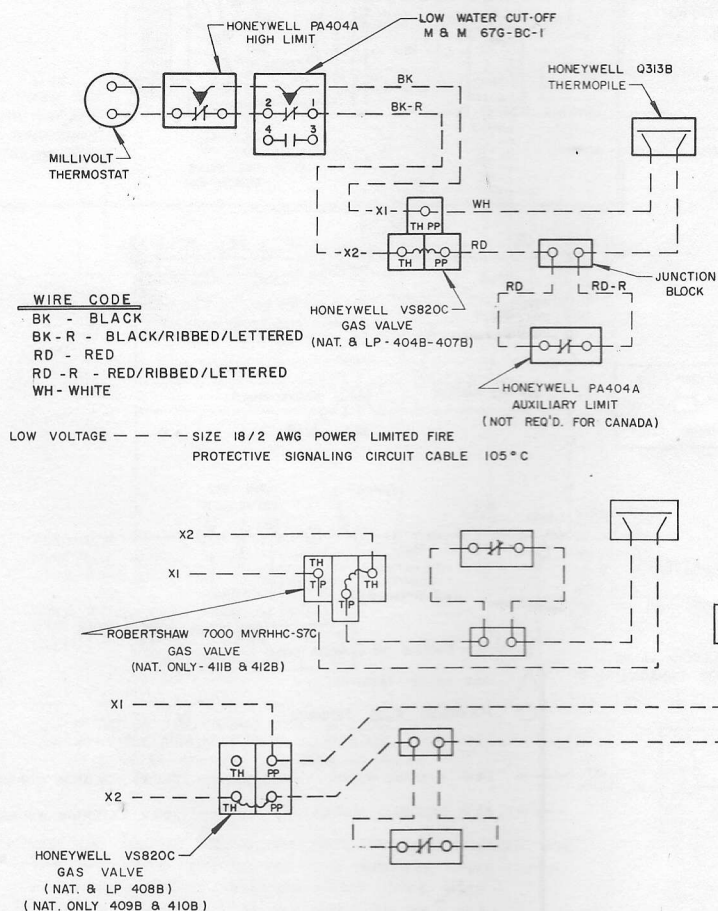


Fig. 27

**404B - 412B
 WIRING DIAGRAM - CONTROL SET SBM
 STEAM SYSTEM - MILLIVOLT OPERATION**

SEQUENCE OF OPERATION

When Millivolt THERMOSTAT calls for heat, it opens the GAS VALVE starting burner operation. The Burners will operate until THERMOSTAT is satisfied. In the event that excessive steam pressure is developed, the HIGH LIMIT CONTROL will stop the Burner operation. The LOW WATER CUT-OFF will stop the Burners if the Water Level in the Boiler drops to the lowest safe level.

As an additional safety feature in case of excessive boiler water temperature the auxiliary limit control in the powerpile generator circuit will interrupt the circuit causing the gas, valve to close cutting off main and pilot burner gas. When boiler water temperature drops to a point where the auxiliary limit switch closes the pilot burner must be relit in order to resume normal operation. Refer to normal lighting instructions.

Millivolt Control System is powered by a POWERPILE GENERATOR which is a part of the pilot burner assembly. If PILOT FLAME should become extinguished, operation of gas valve would be interrupted as well as POWERPILE GENERATOR. The 100% shut-off provision is built into the Combination Gas Valve.