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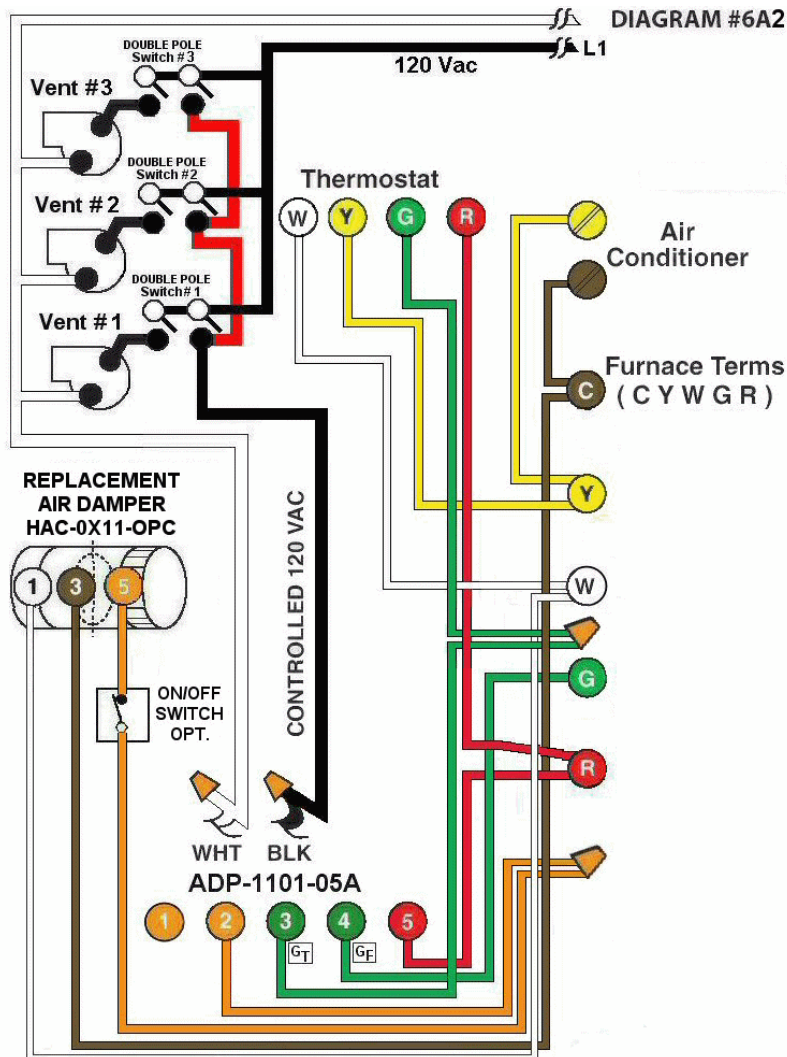


Diagram #6A2: Forced Air Furnace having a **replacement** air supply duct together with **two** (or more) **exhaust fans** controlled by **two** (or more) **separate Double Pole Ventilation switches***.

1. Replacement Air Control Damper (PC) with Relay (HAC-0x11-OPC)
2. Two (or more) Ventilation Switches to supply **Controlled 120Vac** to furnace area.
3. Relay Adaptor (**ADP-1101-05A**) to function as a control centre.

OPERATION:

1. Replacement Damper opens to provide fresh air during the **ventilation and heating cycle**.
2. Each **Double Pole Ventilation Switch** turns on its own Ventilation Fan, opens Replacement Air Damper and turns on Furnace Fan simultaneously.
3. **Optional Switch** (i.e. toggle switch) allows full control of the Replacement Air Damper to open as required provided it is **PC** type.

N.B. Replacement Air Damper is not affected by the 'Manual' setting of the furnace fan.

*Alternately, when using two (or more) regular ventilation switches (or timers), instead of the DP type shown here, to control two (or more) exhaust fans and involving only one furnace, use one relay adaptor for each timer/exhaust fan (see Diagram #6). Connect relay adaptor terminals 1-1, 2-2, 5-5 and connect terminal 3(GT) of the first adaptor to G of the thermostat and 4(GF) – 3(GT) of the next adaptor. The last adaptor connect 4(GF) to G on the furnace as shown.

Additional Colored Wiring diagrams are shown on the web at www.hoyme.com