

HMI Hoyme Manufacturing Inc. **Special Note:** Circuits are colored for clarification only and are not necessarily those found in actual installations. Wires of the **Combustion Air Damper**, however, are colored as shown.

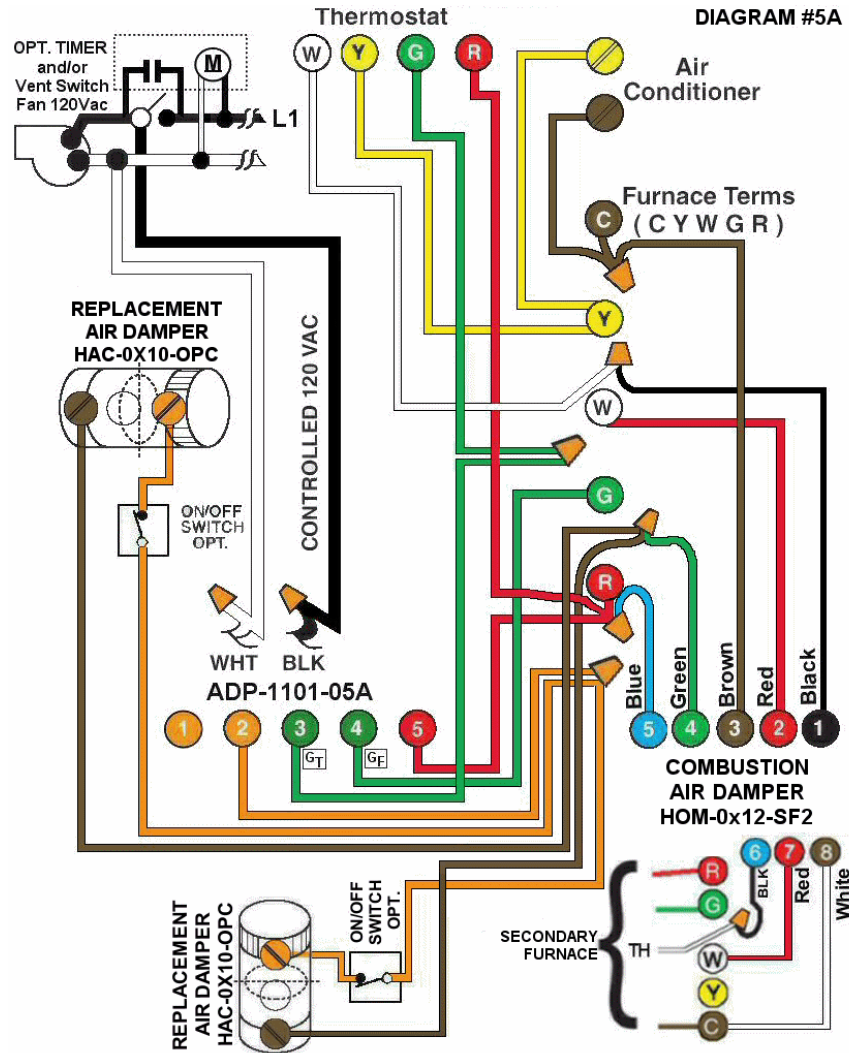


Diagram #5A: Two Furnaces having a **common combustion air** and **two replacement air** supply ducts together with and **exhaust fan** controlled by a designated **ventilation switch and/or bathroom timer**.

1. Combustion Air Damper for two furnaces (**HOM-0x12-SF2**).
2. A replacement air damper (**HAC-0x10-OPC**) for each furnace.
3. 120Vac Ventilation Switch and/or bathroom timer.
4. Adaptor **ADP-1101-05A** on primary furnace to act as a control center.

OPERATION:

1. Replacement Air Dampers are inter-connected to the Combustion Air Damper so that three dampers open during firing of either or both furnaces and close when firing stops.
2. **Ventilation Switch and/or bathroom timer** turns on exhaust fan, primary furnace fan and opens both HAC dampers simultaneously.
3. **Optional switch** to each HAC damper allows independent control of each fresh damper.

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

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