

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.

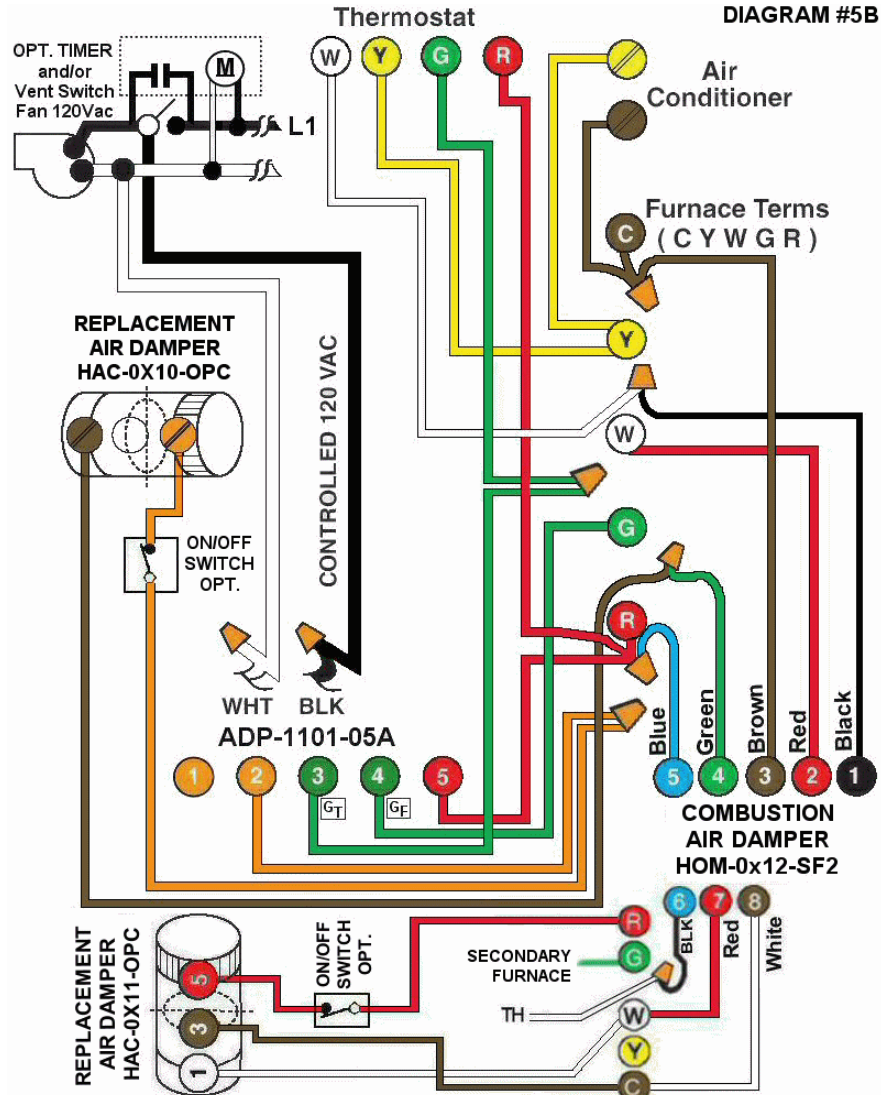


Diagram #5B: Two Furnaces having a **common combustion air** and two **replacement air** supply ducts together with an **exhaust fan** controlled by a designated **ventilation switch or timer**.

1. Combustion Air Damper (**HOM-0x12-SF2**)
2. **HAC-0x10-OPC** connected to the **primary** furnace.
3. **ADP-1101-05A** connected to the primary furnace only. 4. **HAC-0x11-OPC** damper with relay is connected to the **secondary** furnace.

OPERATION:

1. Replacement Air Damper **HAC-0x10-OPC** is inter-connected to the Combustion Air Damper so that this damper opens during firing of either or both furnaces and closes when firing stops.
2. Ventilation Switch and/or timer turns on the exhaust fan, the furnace fan and opens the primary HAC damper simultaneously.
3. The secondary damper **HAC-0x11-OPC** opens only when the secondary furnace fires.
4. **Optional switch** (i.e. toggle switch, timer, de-humidistat) on each HAC damper allows independent control of each damper.

N.B. Replacement Air Dampers are not affected by the 'Manual' setting of the furnace fan.

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