HMI Hoyme Manufacturing Inc. Special Note: Circuits are colored for clarification only and are not necessarily those found in actual installations.

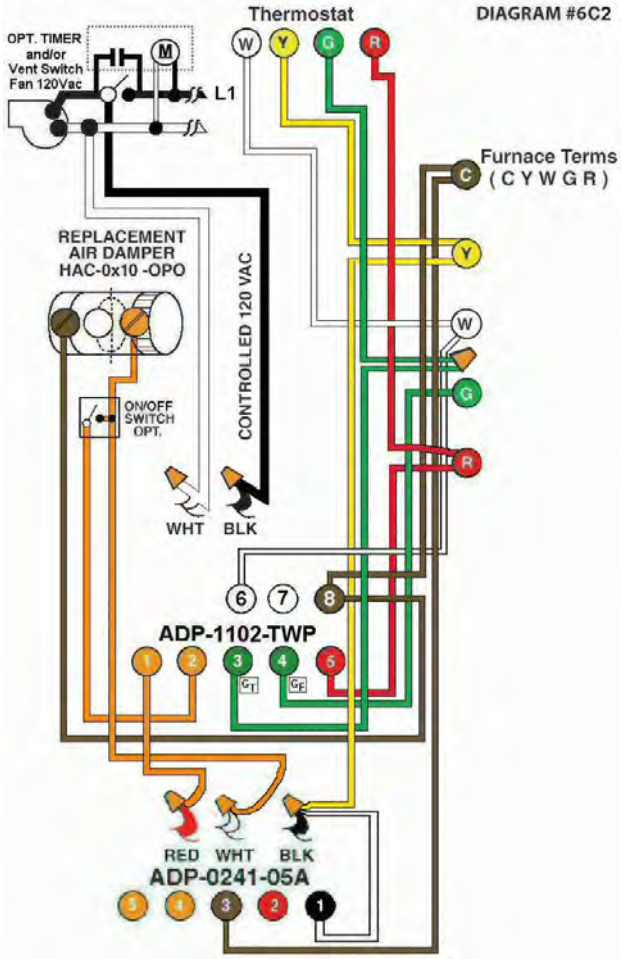

Diagram #6C2: Forced Air Furnace having a **replacement air** supply duct together with an **exhaust fan** controlled by a designated **ventilation switch and/or bathroom timer.** Air Conditioner is not part of this system.

1. Use Replacement Air Control Damper (Power Open) - (HAC-0x10-OPO).
2. Ventilation Switch and/or bathroom timer to supply **Controlled 120Vac** to furnace area.
3. Relay Adaptor **(ADP-1102-TWP)** to function as a control centre.
4. Relay Adaptor **(ADP-0241-05A)** to function only as a fresh air supply when thermostat is set to the cooling cycle.

OPERATION:
1. Replacement Damper opens to provide fresh air during the **heating and/or cooling cycles.**
2. Ventilation Switch and/or bathroom timer turns on Ventilation Fan, opens Replacement Air Damper and turns on Furnace Fan simultaneously.
3. For the cooling cycle, (use when outside temperature is cool) thermostat will simultaneously turn on the Furnace Fan and open the Replacement Air Damper.
4. Damper will remain closed during manual furnace fan operation.
5. On/off Switch connected to **ADP-1102-TWP** Terminal #2 (as shown) allows manual control of the Replacement Air Damper to open as required.

(If installing an Air Conditioner at a later date, disconnect **ADP-0241-05A** from 'Y' to leave damper closed during A/C operation. For systems with existing A/C, use **Diagram #6C1** (to keep damper closed during A/C operation) or refer to **Diagram #6C3** to open damper during A/C operation).

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