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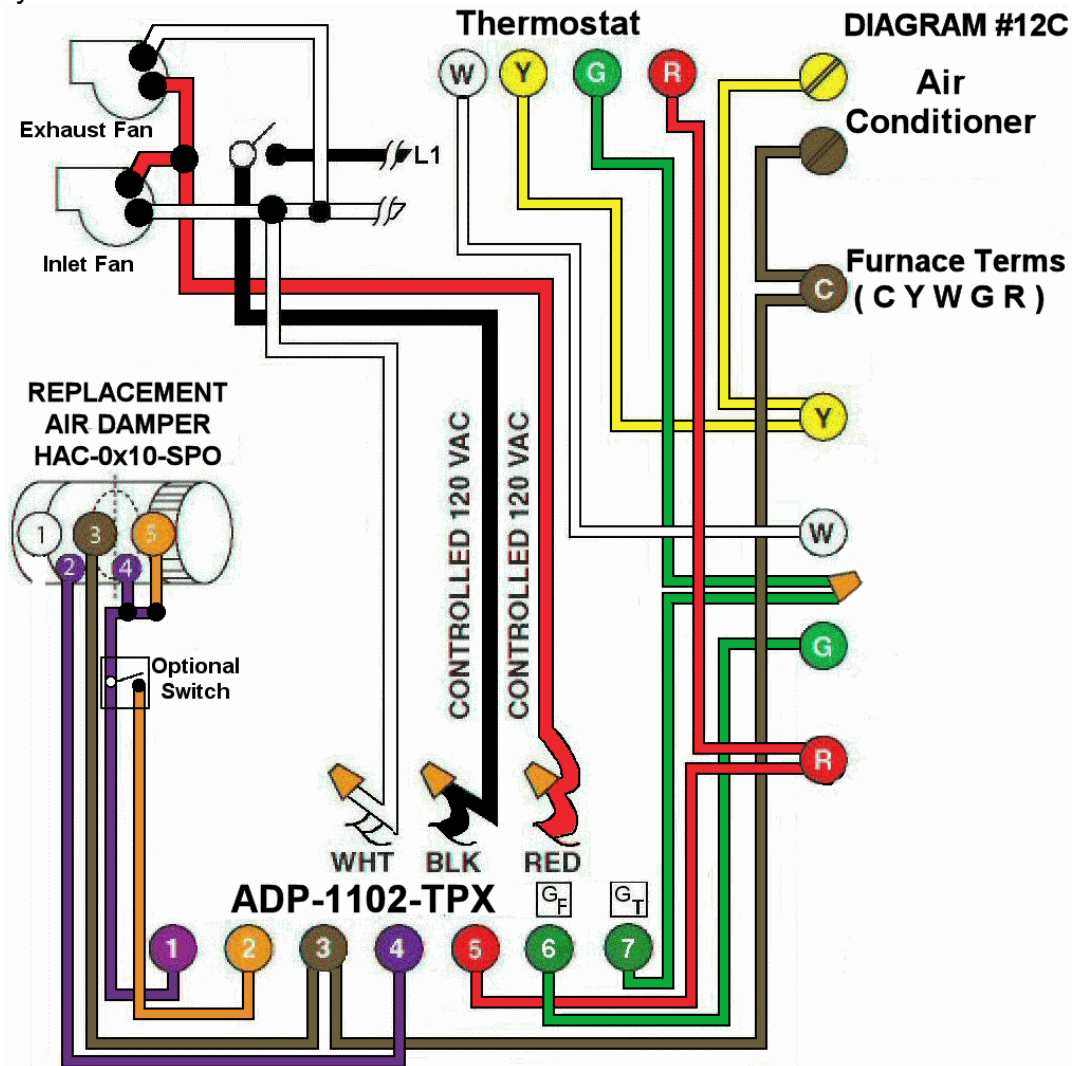


Diagram #12C: A High Volume Kitchen Exhaust Fan Interlocked to both a Power Open Damper and an Inlet Booster Fan to form part of a forced air heating system.

NOTE: If combining this High Volume Exhaust system with an existing designated ventilation system, go to Color Diagram #12D or #12D1 for instructions.

1. Power Open Damper with an End Switch (HAC-0x10-SPO) where “x”= diameter.
2. Ventilation Switch and/or bathroom timer with 3C-Wire 120Vac supply to furnace area.
3. Relay Adaptor (ADP-1102-TPX) to function as a control centre.

OPERATION:

1. Thermostat does not control the damper. (If required, go to Diagram #12D1)
2. The Kitchen **Ventilation Switch** signals the adaptor to start the furnace circulation fan and to open the replacement air damper.
3. **Optional on/off Switch** connected between #1 and #2 of the **Adaptor 1102-TPX** allows full control of the Replacement Air Damper to open as required.
4. After the Inlet Damper proves to be open, the Damper **End Switch** turns on both the **Inlet Booster Fan** and the high volume **Exhaust Fan**. The Fans are, therefore, **Inter-locked** to run only after the damper proves to be open to supply the replacement air.

Option: Consider an Inline electric heater with an airflow switch to temper cold incoming air.

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