

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

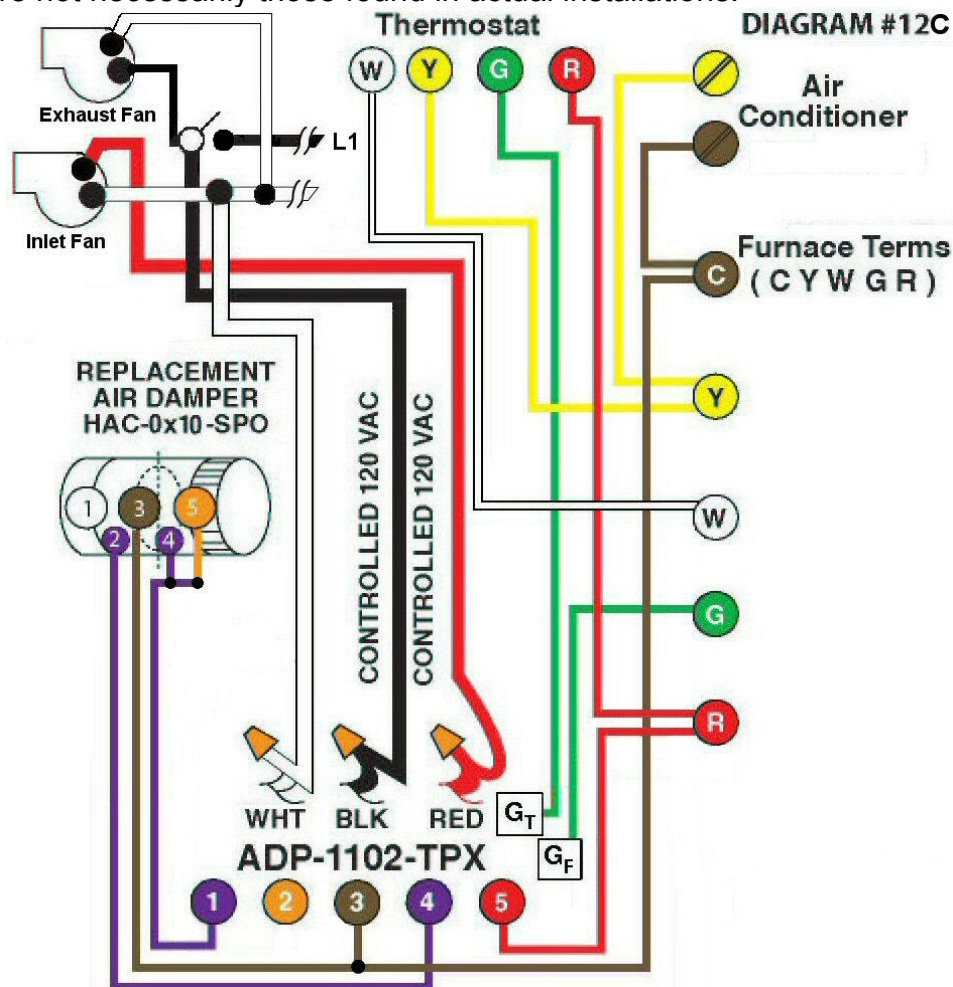


Diagram #12C: High Volume Kitchen Exhaust Fan interconnected to a Forced Air Heating system having a special **Replacement Air** supply duct equipped and an **Inlet Fan** that is **INTERLOCKED** to a **Power Open Damper**.

1. **Power Open Damper** with an **End Switch** (HAC-0x10-SPO where "x"= diameter).
2. Ventilation Switch to simultaneously turn on **Kitchen Exhaust Fan** and to signal the Interface Relay Adaptor (**ADP-1102-TPX**) which acts as a control centre.

OPERATION: 1. Thermostat controls the heating and cooling appliance. 2. The Kitchen **Ventilation Switch** turns on the Kitchen **Exhaust Fan**, the appliance **Circulating Fan** and opens the **Inlet Damper** simultaneously. After the Inlet Damper proves to be open the Damper **End Switch** turns on the replacement air **Inlet Fan**. (Inlet Fan is therefore **Inter-locked** to the Inlet Damper.)

Option: An Inline electric heater c/w an airflow switch to temper cold incoming air.

N.B.: When adding the above Adaptor to an existing ventilation system using a designated ventilation switch, the existing system requires a Hoyme Adaptor 1101-05A before adding the Adaptor 1102.TPX. The G_T and the G_F terminals of both Adaptors are to be in series with the G of the thermostat and the G of the furnace. i.e. The G of the thermostat connects to the G_T of the first Adaptor and the G of the furnace connects to the G_F of the second Adaptor.

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