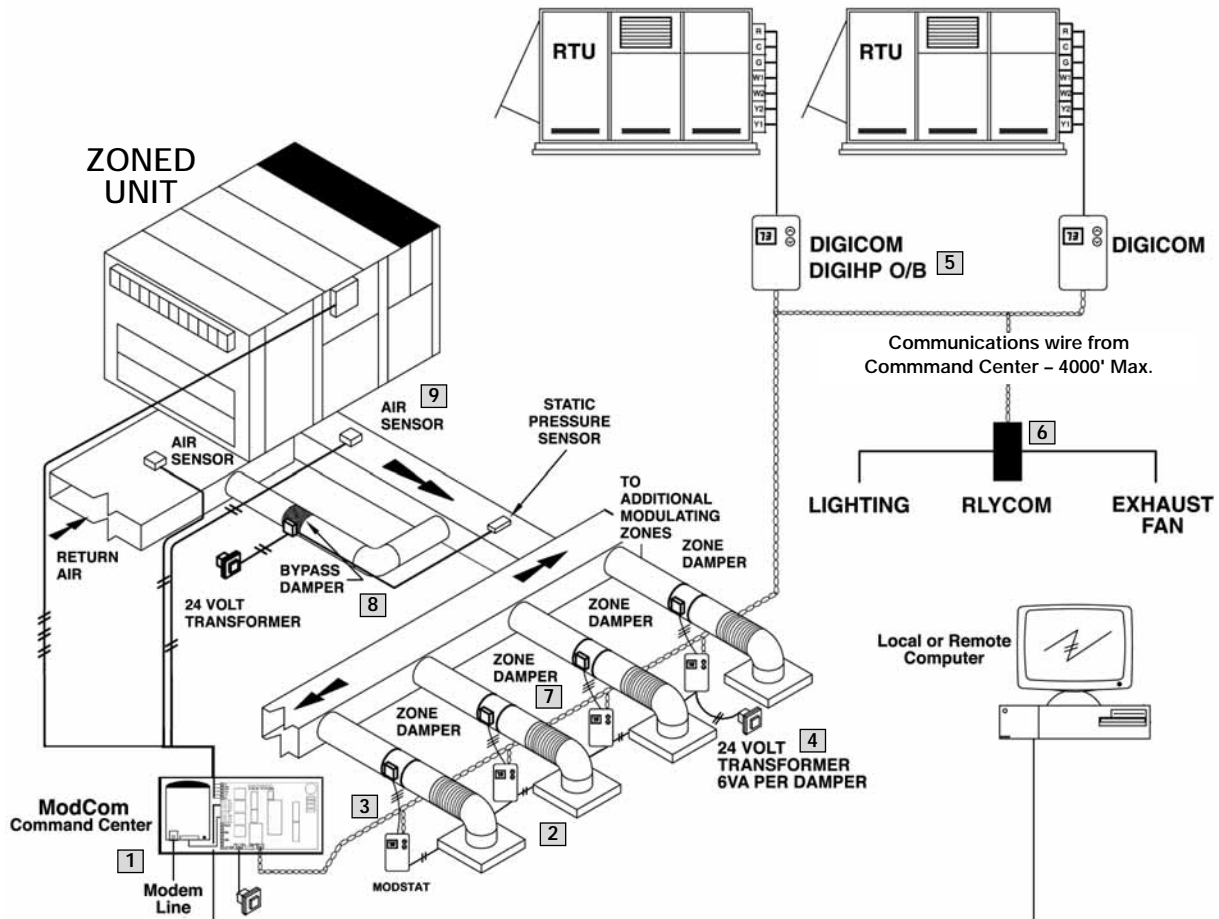


MODCOM CONCEPTUAL DRAWING

The *ModCom* system is a Windows®-based DDC, modulating zone and thermal management system. The universal *ModCom* controls both GE and HP units with on-board capacity control. The *ModCom* command center can support 20 thermostats which can control fully modulating or 2-position dampers, stand-alone HVAC equipment and auxiliary equipment such as exhaust fans, lighting, and other on/off devices which can be controlled via the *ModCom's* Windows®-based scheduling programs. *ModCom* can easily upgrade VVT type systems utilizing existing dampers and wiring.

STAND-ALONE EQUIPMENT



MODCOM SYSTEM COMPONENTS:

- 1 **MODCC** *ModCom* Command Center
- 2 **ModStat** – Modulating thermostat
MODS2 – Two-position thermostat
- 3 Twisted pair communication wire (Use Belden 8740)
- 4 Transformer to power dampers 6VA per modulating damper
12 VA per two-position damper
- 5 **DIGICOM** or **DIGIHP** thermostat to control stand-alone HVAC equipment
- 6 **RLYCOM** – control and schedule lights, ventilation, etc.
- 7 Zone dampers – fully modulating or two-position
- 8 Bypass with static pressure control or barometric bypass
- 9 Supply and return air sensors

DESCRIPTION

The *ModCom* Command Center provides a central source for communication and control of up to 20 modulating zones on a single HVAC system. The *ModCom* universal controller is designed to control both GE and HP systems. The Command Center polls the **ModStat** thermostats and selects heat or cool operation. The onboard Capacity Control stages 2H/2C GE or 3H/2C HP based on time and supply air temperature.

All scheduling and monitoring is accomplished through the use of the Windows®-based *ModCom* software, accessible by a direct connect computer, dial-up, or optional TCP/IP Network device. The Command Center provides each thermostat with two heat and two cool setpoints, with up to four events per day.

The Command Center requires a 24vac power input and has available inputs for display of mixed air temperature, outdoor air and leaving air temperatures. LED indicators provide status of the HVAC system.