

COMFORT SYSTEM™

Zone Control



Home Comfort Made Simple

ComfortTM SYSTEM



Panel Features

- Standard - 3 Zones
- Optional - Up to 9 Zones
- Auto Changeover
- Extremely Easy to Wire
- No Special Wire Required
- No Adjustments Required
- Works With All Thermostats
- Lights Show System Status
- No RFI Problems



Rectangular Damper Features

- Heavy-duty Construction
- Nylon Bushings
- Two-wire Damper Motors
- Normally Open, Powered Closed
- Adjustable Minimum Position



Round Damper Features

- Heavy-duty Construction
- Nylon Bushings
- Two-wire Damper Motors
- Normally Open, Powered Closed
- Adjustable Minimum Position

High Quality, Simple and Low Cost

Comfort SystemTM is a residential and light commercial zone control system that consists of a control panel and a number of zone dampers and thermostats (up to 9, depending on the number of zones required). The system is designed to eliminate the 8-12 degree temperature difference that exists between upstairs and downstairs in most two story homes, or between one end and the other in ranch-style homes. The system will also improve overall space comfort and lower operating costs. Comfort SystemTM works great in commercial applications when improved temperature control is required. It doesn't get any easier than this.

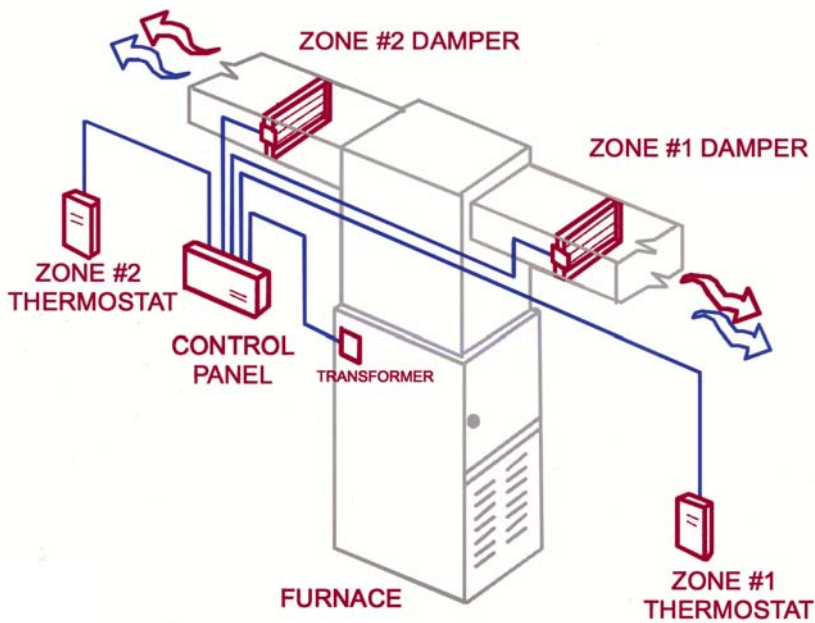
Sequence of Operation

Comfort SystemTM allows a single heating/cooling unit to have up to 9 separate zones. Each zone is controlled by its own space thermostat and motorized zone damper. If any of the zone thermostats call for heating or cooling, the zones not calling will have their dampers driven closed, and the zone (or zones) calling will have its damper remain open. The heating or cooling equipment will also be brought on at the same time. When all thermostats are satisfied, the heating or cooling equipment turns off and all zone dampers will return to the open position to allow for continuous air circulation.

If one thermostat is calling for heating and another zone is calling for cooling, the cooling thermostat will take priority and the system will operate in the cooling mode. When the thermostat that is calling for cooling is satisfied, the system will change over and take care of the heating requirement. This is referred to as cooling priority/auto changeover.

The Benefits of Zone Control

- Improves overall temperature control
- Better control of individual areas
- Reduces energy bills
- Reduces installation costs
- Reduces maintenance costs
- Five year warranty



Control Panel

Z-300-HC
Z-300-HC-MS
Z-300-HP
Z-300-HP-AC
Z-300-HPS



Thermostat

Aprilaire
White-Rodgers
LuxPro
Robertshaw



Round Zone Damper

D-XX
▪ sizes up to 20"



Rectangular Zone Damper

D-XXXX
▪ 8" x 8" to 36" x 24"
▪ side mount and bottom mount



Automatic Zone Register™

AZR-XXXX
▪ available in tan or white



Barometric Bypass Damper

BD-XX
▪ sizes up to 16"
▪ also available in rectangular



Suction Line Freeze Stat

FS-38



Discharge Air High Limit

HL-170
HL-170-HP



Jackson
SYSTEMS
The Zone Control Experts