

Comfort System™

Ductwork Sizing For Z-300 Two-Position Zone Control Systems

There are two methods that can be used to insure proper airflow with zone control systems.

- (1) If **only two zones** are required, size each zone to handle about 75% of the total system CFM. This method does not require a bypass damper. If one zone requires substantially more CFM than the other, it is recommended that the larger zone damper be set to bleed about 20% of its air (or more, if necessary).

- (2) If **more than two zones** are required, install a bypass damper. It should be set to bypass just enough air to maintain a quiet, draft-free system.

Both round and rectangular zone dampers have an adjusting screw that can be used to set the minimum airflow.

High limit (HL-170 or HL-170-HP) and low limit (FS-38) thermostats are required on all zone control systems.

Manual balance dampers should be installed on all branch runs to facilitate the balancing of the air system.

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SYSTEMS

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