

# Modulating Zoning for Residential New Construction



A typical system includes a ZCMWD Manual Wall Control, a DC1 damper control module installed near the equipment and two R80CJ-XX modulating, plug&play dampers installed in the trunks feeding the upstairs and downstairs zones.

## Model ZCMWD

### Wall Control with Manual 2-Zone Control

Manually controls the distribution of heating and cooling to the upstairs and downstairs zones to keep the upstairs and downstairs comfortable.

#### Win More Jobs without Cutting Profit

Provides same comfort as traditional zoning but at a lower price and a good profit margin.

#### Low Cost

Material cost is about half the cost of traditional zoning.

#### Eliminates Bypass

Modulating dampers never fully close.

#### Powered by Equipment 24VAC

#### Simple Installation Reduces Labor Costs

- Eliminates installing bypass duct and damper.
- Eliminates installing DAT sensor. Airflow through the equipment remains nearly constant.
- Eliminates installing electrical box and 24VAC transformer. Dampers only require 2VA power.
- Reduced HERS testing.

#### Use with any 24VAC Thermostat

#### Uniform or Focused Comfort

- **Uniform Comfort** - Manually adjust the distribution of heating and cooling to keep the upstairs and downstairs comfortable.
- **Upstairs Comfort Focus** - Manually direct more heating or cooling to the upstairs zone and less to the downstairs zone.
- **Downstairs Comfort Focus** - Manually direct more heating or cooling to the downstairs zone and less to the upstairs zone.
- **Night Comfort** - Saves 30% in energy at night by manually directing more heating or cooling to the upstairs zone and less to the unoccupied downstairs zone.

# eControls

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