

Comfort³⁶⁵ for Residential New Construction

A simple, low-cost solution for providing upstairs and downstairs comfort in new homes without the hassles of zoning.



- \$ About half the cost of a zoning system.
- Provides a uniformly comfortable home in all seasons.
- Eliminates installing zoning panel, 24VAC transformer and electrical box, and discharge air temperature sensor.
- Eliminates installing a bypass damper and bypass duct.
- Easy upgrade to WiFi and only one WiFi thermostat required.
- Saves 30% in energy at night by using the sleeping area sensors to control heating and cooling calls and directs 30% more conditioned airflow to the sleeping area at night and 30% less to the unoccupied living area.
- Use 1 or 2 temperature sensors in the sleeping area.
- Automatic or manual airflow control.
- Reduces HERS zoning testing.

For Comfort365 resources and additional product offerings such as Whole House Comfort Controls, please visit our website at www.eControlsUSA.com.

The Comfort Problem

In a typical home the amount of conditioned airflow required to keep the upstairs sleeping area and the downstairs living area uniformly comfortable varies with the seasons and even during the day. This can result in large temperature variations between the upstairs and downstairs temperatures.



The Comfort365 Solution

Traditionally, zoning has been used to solve the problem. The Comfort365 solves the problem more efficiently and at about half the cost of zoning. The Comfort365 thermostat is installed in the downstairs living area and one or two temperature sensors are installed upstairs in the sleeping area. The thermostat constantly monitors the upstairs and downstairs temperatures.

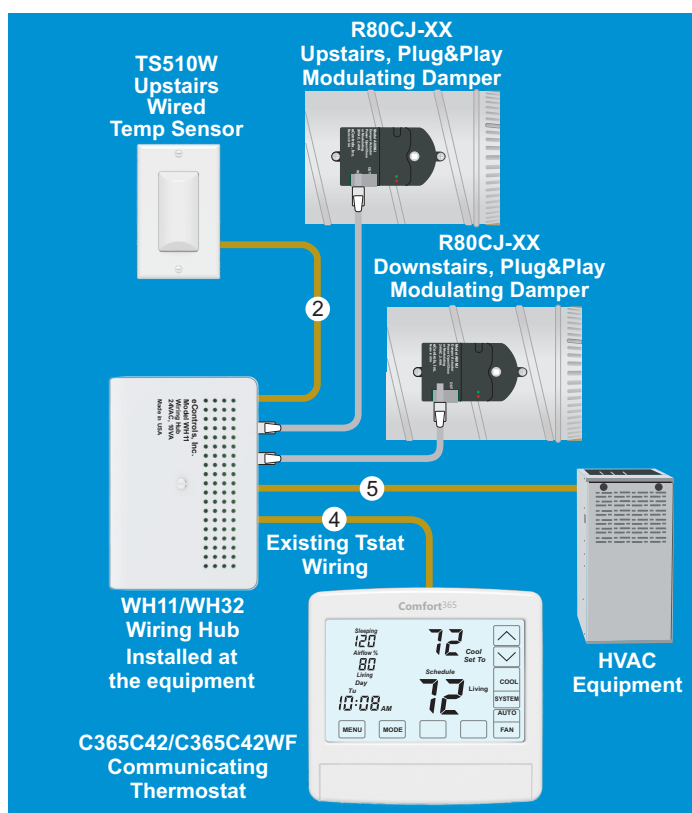
Every two minutes the modulating dampers are adjusted 2% directing more airflow to the upstairs or downstairs to keep the temperatures within 2°F. Bypass is not used with this system and the equipment operates at its rated efficiency and airflow. Comfort365 dampers operate from about 60 to 100% open, never close and do not require the gaskets used in zoning dampers that can restrict airflow.

The Comfort365 will automatically maintain a uniformly comfortable home in all seasons without the use of a zoning system and at about half the cost of a zoning system.



Typical RNC Installation

- Temperature sensors can be installed in the master bedroom and bedroom hallway.
 - Plug&Play dampers reduce wiring errors.
 - Only 11 wires and 2 Plug&Play cables to install compared to 25 for zoning.
 - Same Thermostat, Wiring Hubs and Dampers can be used for both RNC and Replacement installations.
- \$ Typical savings of 48% in materials compared to zoning.



Comfort365 Thermostat

Model C365C42 or C365C42WF WiFi thermostat.

Sleeping Area Temperature Sensors

Model TS510W for single sensor installations.

Model TS520W for two-sensor installations.

Wiring Hub

Model WH11 for single stage equipment.

Model WH32 for multi-stage equipment.

Airflow Dampers

Model R80CJ-XX Plug&Play modulating dampers.

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5-Year Warranty

All products have a 5-year warranty, limited to the repair or replacement of the product due to defective material or workmanship.

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