

ABSTRACT

INTEGRATED THERMAL COMFORT CONTROL SYSTEM WITH VARIABLE MODE OF OPERATION

A system for controlling thermal comfort in a space is provided with a variable mode of operation. The system may include a conditioner for conditioning air in the space, and a sensor for measuring a temperature in the space. A controller is provided for controlling the conditioner based on the temperature sensed by the sensor, and a fan for circulating air within the space is regulated based on the temperature sensed by the sensor. A related system for controlling a fan based on height is also provided, as is a system and method for easily and efficiently determining the height of a fan using a simple camera, such as one on a "smart" phone. A further aspect pertains to a controller, such as for example a portable handheld device, having a user interface adapted for suggesting an increase in a set point temperature of a thermostat based on the selected speed of the fan.

Figure 3