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(57) Abstract :

The present disclosure provides a system (100) and method (200) for controlling thermal sensor based programmed fan. The system (100) includes a server (102), where the server (102) having a thermal sensor (104), a sensing element (106), and a temperature sensor (108). The system (100) further includes a processor (110) and a memory (112) communicatively coupled with the server (102), where the thermal sensor (104), the sensing element (106), and the temperature sensor (108) is configured to also check the presence of a resider and also measures the surrounding temperature. The processor (110) is configured to receive the measured the surrounding temperature inside, and receive one or more user-defined threshold temperature from a computing device (116); compare the surrounding temperature inside with the user-defined threshold temperature; and transmit an actuation signal to the server (102), and the measured temperature falls inside the range of the one or more user-defined threshold, in an event the fan is configured to start.

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