

GEW109-14

607.7

Proponent: Greg Towsley, Grundfos, representing Grundfos (gtowsley@grundfos.com)

Revise as follows:

607.7 Circulating hot water systems. ~~Controls that allow continuous, timer, or water temperature-initiated (aquastat) operation of a circulating pump are prohibited. Gravity or thermosyphon circulation loops are prohibited. Pumps on circulating hot water systems shall be activated on demand by either a hard-wired or wireless activation control of one of the following types:~~

- ~~1. A normally open, momentary contact switch.~~
- ~~2. Motion sensors that make momentary contact when motion is sensed. After the signal is sent, the sensor shall go into a lock-out mode for not less than 5 minutes to prevent sending a signal to the electronic controls while the circulation loop is still hot.~~
- ~~3. A flow switch.~~
- ~~4. A door switch.~~

~~The controls for the pump shall be electronic and operate on the principal of shutting off the pump with a rise in temperature. Electronic controls shall have a lock-out to prevent operation at temperatures greater than 105°F (41°C) in the event of failure of the device that senses temperature rise. The electronic controls shall have a lock-out mode for not more than 5 minutes that prevents extended operation of the pump if the sensor fails or is damaged.~~

Controls for circulating hot water system pumps shall comply with the requirements of the *International Energy Conservation Code*.

Reason: The International Energy Conservation Code (IECC) was revised in Atlantic City, NJ in October 2013 to include code language that is equal or similar to the above but less prescriptive, allowing for newer technology to control the pumps upon demand for hot water. No new or additional wording is required beyond the language of the IECC.

Cost Impact: Will not increase the cost of construction. No cost impact as the language of the IECC is equal to or similar to that which is being deleted.

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