

California Energy Commission

Title XXIV

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Electronic Controls

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Honeywell

Impacts of PCT to Residential Thermostat Industry

Honeywell

- **Honeywell supports the initiative in concept and looks forward to participating.**
- **HVAC evolving to advanced communicating systems. It's not about the “thermostat”.**
- **Focus on Ease-of-Use for Customer (Homeowner and Contractor)**
- **HVAC distribution is very slow to implement change. Must optimize available resources.**

Proposed Language

- (2) **Communicating HVAC System - A Communicating HVAC System capable of receiving demand response signals** including price and emergency signals by at least one public method. Upon receiving a demand response signal, the **HVAC System shall be capable of** setting up the set point in the electric cooling mode and setting down the set point in electric or gas heating modes. The **HVAC System must have the capability to** “lock out” any customer override of the heating and cooling setpoints during the emergency broadcast signals.

The HVAC System shall have the following minimum features:

- **A receiver capable of receiving** emergency and economic price signal broadcast signals from the state's Emergency Alert System (EAS,), Independent System Operator (ISO), and the utilities. Upon receiving an emergency or price signal, **the HVAC System shall be able to** adjust the heating and cooling setpoint in 2 degrees increments, up or down) during the demand response period
- **Must be capable of providing low-cost remote method for** diagnosing and augmenting the basic device without two-way communication.
- **The HVAC System will communicate to the user** when an action or event is in effect.