



# Peak Cooling Performance

Interested in saving 20 - 35% of cooling energy?

**SynapSense Active Control™** provides immediate energy savings and increased efficiency by continuously aligning cooling capacity with changes in IT load. SynapSense leverages a granular deployment of leading edge wireless sensors used to measure server inlet temperature and sub-floor pressure differential to dynamically manage CRAH temperature set points and variable fan speeds. This unique approach to control optimizes cooling capacity and saves 20-35% of cooling costs by minimizing the fan energy to meet server CFM requirements, while maintaining acceptable server inlet temperatures. This allows data center operators to add IT load, while avoiding the capital cost associated with incremental cooling capacity.

**ROI** – Save 20-35% of cooling energy

**Reliability** – Fine grain sensing of both temperature and pressure guarantees control accuracy

**Responsive** – Dynamically controls CRAH set points and fan speeds

**Scalability** – Designed to operate in 5K to >100K sq ft; Leverages scale afforded by SynapSense Environmental Monitoring and Energy Management Solution

**Ease of Use** – Enables user-initiated or system-initiated transitions from Automatic to Manual Mode

Visit us at [www.SynapSense.com](http://www.SynapSense.com).

SynapSense Corporation

2365 Iron Point Rd, #100, Folsom, CA USA 95630

T: +1 916-294-0110

**SYNAPSENSE™**

Wireless Instrumentation Solutions