



An Automatic Variable-Rate Heat Solution: SMART SENSE®

AVAILABLE CONFIGURATIONS:

100,000 Btu/h

250,000 Btu/h

Spark / Hot Surface



U.S. Patent No. 9,328,937

Works with ventilation systems to provide
consistent, even heat distribution.

Smart Sense® Technology
for new and existing facilities.

SAVE
35%
UP TO
ON HEATING COSTS!

Smart Sense® Technology

A Difference You Can Feel

Smart Sense® is a technologically-advanced swine facility heating solution. This **innovative heating technology** eliminates the inefficiency of standard on/off controls by managing the heat automatically through the house control. Smart Sense® operates at maximum efficiency to provide:

- ✓ Fuel-cost savings up to 35%
- ✓ Consistent room temperature
- ✓ Enhanced animal welfare
- ✓ Improved air quality

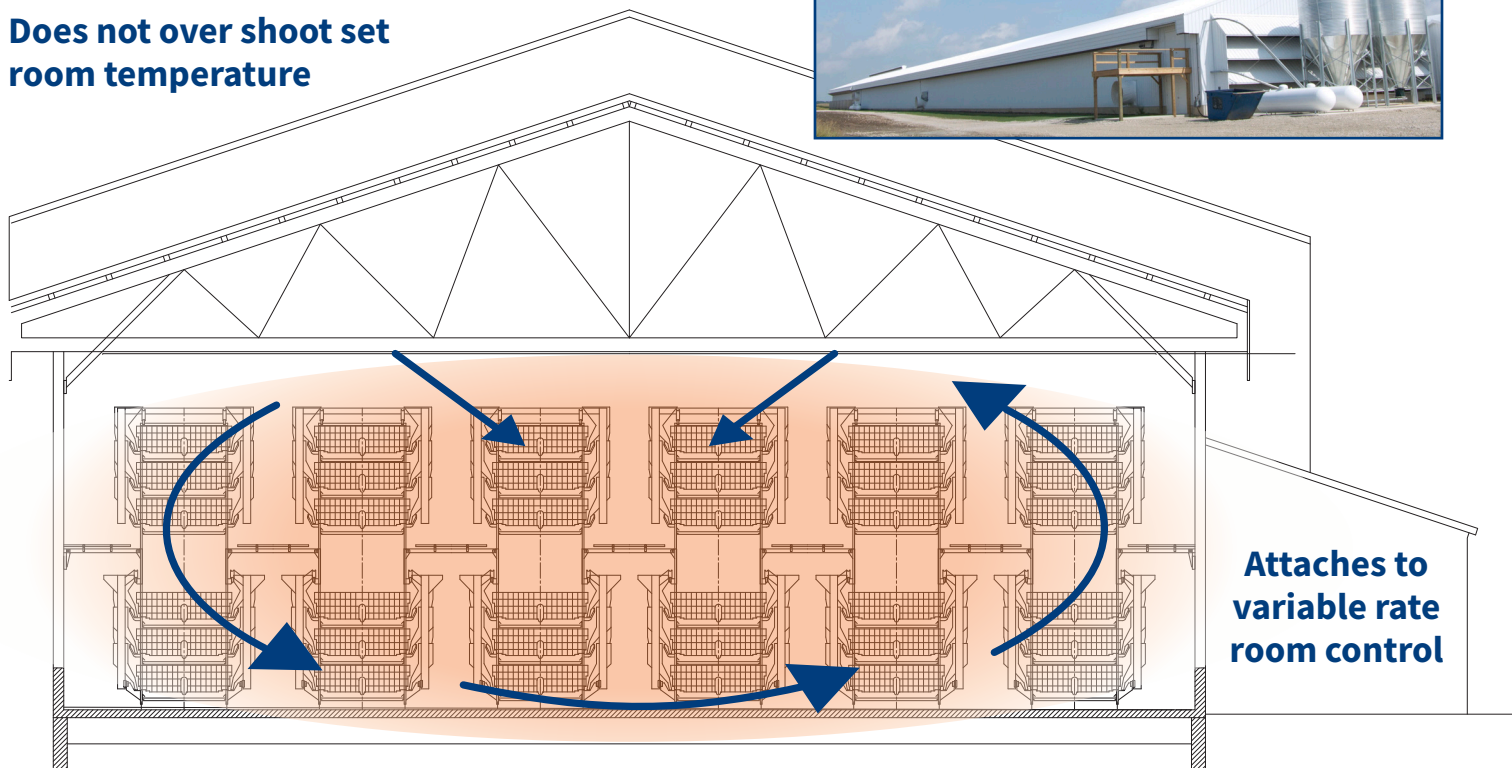
The L.B. White® system generates only the amount of heat required to reach, maintain, and hold a desired temperature by modulating Btu output. This is achieved only through our patented technology engineered for L.B. White® forced air heaters and radiant heat brooders.



Heat On Demand!

Smart Sense® operates more efficiently because it automatically controls the heater Btu output to produce the amount of heat required to reach and maintain room temperature. Smart Sense® technology eliminates room temperature target overshoot and distributes heat consistently, evenly in poultry buildings.

Does not over shoot set room temperature



Heat Management Protocol

Smart Sense® maintains an even room temperature through the house control. With this system, growers are not required to setup probes.

You're Smart, Heat Smart!



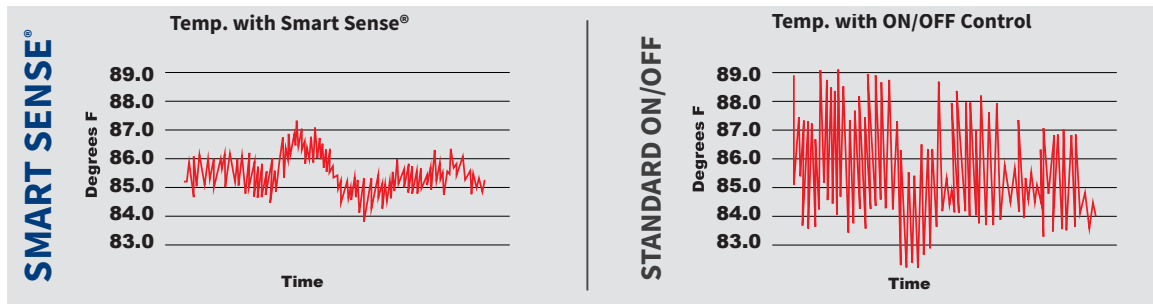
Manage Room Temperature Automatically

Don't React to the Room Environment—Control It!

Smart Sense® automatically provides heat at only the rate required to reach a set point, and then maintains that temperature. This technology has proven results that reflect significant increases in fuel-cost savings.

HEAD TO HEAD RESULTS

L.B. White Forced Air Heaters & Brooders



1.) Temperatures recorded in degrees Fahrenheit 2.) Test site location- Midwest Layer House (20,000 birds) 3.) Test duration- January '12 - February '13. Results- Saved 15% on fuel, 1600 gallons.



Additional Features When Used with Smart Controllers

Remote Control:

Connect the Smart Sense® heaters to any smart house controller with web enabled features and control settings remotely.

Ability to Heat if House Control Fails:

Smart Sense® Heaters will continue to heat your barn at full Btu/h output if your communication with your house control is lost, when a backup thermostat is installed



Smart Sense® Technology



Guardian® with Smart Sense® Forced Air Heaters

Guardian® heaters with Smart Sense® provide an automatic variable-rate control, compared to manual control in today's standard Guardian® heaters. **(Complete with our latest upgrades including: robust nickel plated steel terminals sealed and covered with polyolefin adhesive-lined shrink tubing, and covered and sealed connections)**, these upgrades reinforce our commitment to provide you with the best performing product on the market.

Smart Sense® allows the heater to run longer at lower firing rates and become part of the circulation system. This results in a much more consistent room temperature.



✓ Available Smart Sense® Configurations:

- 100,000 Btu/h - Galvanized
- 250,000 Btu/h - Tri-Shield Protected

✓ Ignition Types:

- Spark
- Hot Surface

✓ Works with Leading Environmental Control Systems:

- MAXIMUS
- AP
- DICAM
- FUSION
- GENIUS
- VALCO
- PMSI



**Operates at firing rates as low as
25% of max Btu/h!**

while maintaining acceptable carbon monoxide levels and ignition characteristics.



About L.B. White

For more than 70 years, L.B. White has been setting the standard in heating. Today, L.B. White is proud to be the exclusive provider of automatic variable-rate heat for both forced air box heaters and brooders with patent U.S. Patent No. 9,328,937 Smart Sense™ technology.



Cancer and reproductive harm. See
www.P65Warnings.ca.gov.