

Superior Performance for Your Corn Furnace

Introducing the Coal-trol Digital™ for CORN **CORN-TROL™**

Designed from the ground up for solid-fuel heating, the Corn-trol temperature control improves the comfort and efficiency of the LMF Furnace compared to look-alike furnace types. Corn-trol provides:

- ✓ ±1°F typical temperature control.
- ✓ Automatic combustion air management.
- ✓ Lower minimum firing rate.
- ✓ Truly proportional firing rate control for reduced fuel consumption.



Eliminate the "Black Magic" of running your corn furnace. Corn-trol is available in a retrofit package from LMF Manufacturing.

Your Dealer is:



MODEL TS2C

This is not an ordinary thermostat. The Corn-trol thermostat has the special features needed to properly control slower-heat-release solid-fuels compared with thermostats made for oil and gas.

The Corn-trol works like cruise control on a car. It gently and continuously adjusts the fire size to match the amount of heat required at any given time.

Imagine your car's cruise control "flooring-it" when you're going slightly under the speed setting and then completely letting up when you're going slightly over-speed. This is the situation with conventional thermostats designed for oil and gas when used to control solid-fuel.

The Corn-trol thermostat is simple to operate: with a display that communicates in English, two temperature setbacks, a one-touch setback override, and a fire-starting assist mode. It may be mounted 100 feet from the furnace with simple snap-in wiring connections that eliminate errors and increase reliability. All settings except the time of day are maintained without batteries.

Introduced in 2003 for improved control of coal burning appliances, we worked with the inventors to bring these benefits to corn, and you'll be glad we did.

Ask your dealer about LMF Corn furnaces with advanced Corn-trol Digital control.

LMF Manufacturing

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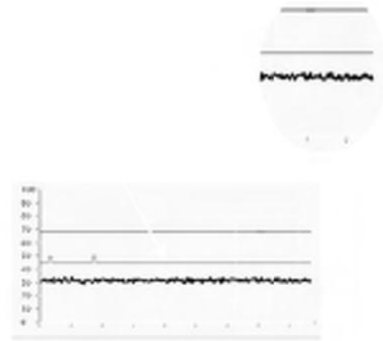
Visit: www.americasheat.com

CORN-TROL™

Provides Better Temperature Control

Burning corn is not like burning gas or oil. The difference is that oil and gas produce maximum heat the instant the thermostat calls and zero heat shortly after the thermostat stops calling. Corn on the other hand exhibits a considerable time delay between when the fuel is augered into the pot and when the heat is released. For this reason, off-the-shelf ON/OFF thermostats are poor performers. There is a constant chase between high and low fire, reducing the ability to maintain set temperature.

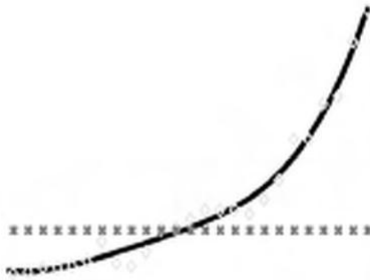
Because the Corn-trol is truly proportional, it regulates the amount of burn to the precise amount needed.



CORN-TROL™

Can Save Fuel

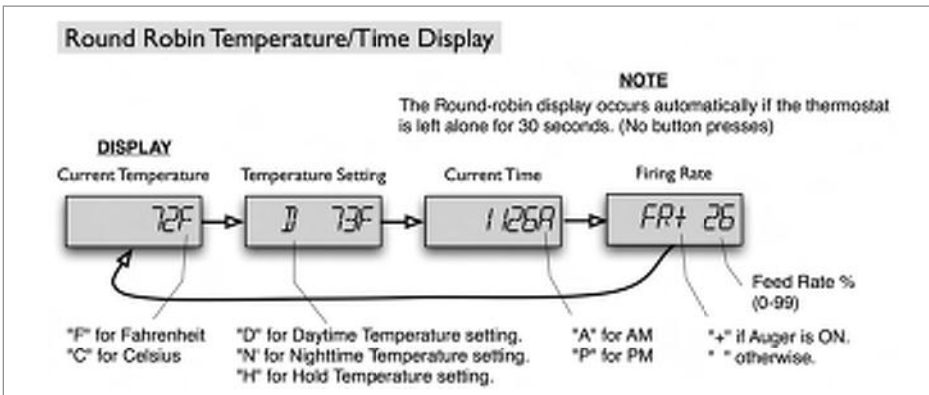
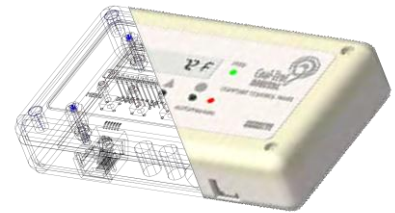
Depending on the outside temperature, the Corn-trol Digital reduces fuel usage by an average of 11% compared to ON/OFF thermostat control. Minimum Winter indoor temperature between 68°F to 71°F is considered optimal. When a corn furnace is controlled by an ON/OFF thermostat, temperature swings can be as high as $\pm 8^\circ\text{F}$. To be comfortable, one will set the thermostat to a value that satisfies the cold side swing and then suffer the heat on the upside swing. Because the Corn-trol maintains the room temperature closer to the exact setting, no compensating adjustment to "Average" out the temperature swings is necessary, and this allows one to run at a slight lower setting, which in turn saves fuel.



CORN-TROL™

Makes Corn Burning Easier

The Operation Booklet clearly explains User and Furnace Operator Features



The Corn-trol thermostat makes burning corn almost as easy as burning conventional fuels. Although you still have to fill the bin and tend to a clinker now-and-again, the guesswork needed to regulate the combustion process has been eliminated. The benefit to your family is less time spent fooling around and better comfort!

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