Using a thermostat
Posted by Don-Jac - 01 Dec 2012 15:41

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If I install a remote thermostat on a USC6041 what heat range setting should I start at? As the stove begins to bring the room up to set temperature will the feed rate / heat range setting change to compensate? If so will it show on the digital readout on the control board?

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Re: Using a thermostat
Posted by FirepotPete - 01 Dec 2012 17:17

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Don-Jac wrote:

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Welcome to the forum Don-Jac.

First if you are going to use a thermostat, make sure your stove can burn for extended times on the lowest setting, HR1 for 6039's, I think CR1/PR1 for 6041's.

If burning corn people have problems with corn above 12% moisture burning on the lowest setting. Get that tweaked in first.

Depending on how cold it is and how the stove heats your house will decide on where to set the stove at the highest heat range. When the temps are mid-teens at night and mid-twenties daytime mine is set at HR4. That can be a little low at night especially if the winds shift and get stronger, my house is NOT well insulated compared to newer houses, so you have to take that into consideration.

Yes the stove will automatically change all settings according to what you have already set on the board. While ramping up the dash will flash until the desired HR is reached. When the temp on the thermostat is reached the dash will flash again while ramping down to HR1. I think the board holds at each HR for 90 seconds before moving to the next.

No the HR setting on the board will not change, if set at HR5 it will stay at HR5 on the board, even tho it may actually be at HR1, the dash between the numbers flashes while ramping up and down, that tells you it is not at the setting on the board at that moment.

One of the reasons I have outside air and the stove tweaked so that I don't have to use the manual damper is so that while using the thermostat I don't have to be there to adjust the air manually. If you don't have the stove tweaked to do this you may want to spend some time doing it so the T-stat mod will be manual adjustment free.

So if you think HR4 is the highest you need for the current weather conditions set it at that and that setting will show on the board all the time, even while ramping down and idling at HR1. The dash will flash on the board until the Tstat calls for heat and it reaches the set temp.

The weather and how your house heats up will determine what heat range you will want to set the board at.

Good luck, keep warm.

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