

CK1166-2X > Profiling Controller

The CK1166-2X replaces old, troublesome and expensive Partlow 7000 based profiling controllers.

This system uses two Partlow 1166's to control Dry Bulb (or temperature) and Wet Bulb (or humidity) in any kiln where you want the ability to run schedules and profiles (called programs in the new Partlow 1166's). Each 1166 can have up to four separate programs, and each program can have up to 16 segments. For more information on programs and their capabilities, please refer to the Partlow website and the guide which I have written which translates the Partlow manual into plain English.

A major difference between the Partlow 7000 based profiling controllers and our new Partlow 1166 based controllers is the fact that each Partlow 1166 can be programmed independently. This means that you can enter completely independant schedules for both the dry bulb AND the wet bulb.

Each program can be composed of various segments. For example, you might decide to use the time based segment programming. Then, for each time program segment you can set the end

setpoint and the amount of time you want the controller to take to get to that setpoint. At the beginning of each setpoint change, you might want to take it easy on your boiler and tell the controller to raise the dry bulb over a three hour period. You can then add additional dwell and ramp segments as your schedule requires.

The other type of segment is a rate based segment.

The end result is the same as in a time based segment: You enter the rate (in degrees per hour) at which you want the dry bulb or wet bulb to increase (or decrease). Then you enter the final setpoint. To hold at a setpoint for an amount of time, you simply enter zero for the rate of change, and the amount of time to hold the setpoint for.

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