The day has arrived, Everheat is happy to announce that we now offer the TAP Controller featuring touchscreen technology and Wi-Fi compatibility. Touchscreen allows us to display all programming and use commands in full text for easy use and understanding. This exciting control also allows for Wi-Fi connectivity using both mobile and desktop apps. (See expected Dec 2015.) Monitor your kiln, create and modify firing schedules or simply review graphs of your firings from your desktop, tablet or phone.

The TAP Controller, it’s a nice touch to a great kiln.

Touchscreen Design

The defining feature of the TAP Controller is the touchscreen design that offers a large screen and visual cues. Viewing and use are enhanced by full text displays, including firing schedule titles, schedule development and selection, temperature set points and beyond. Everything is clearly legible and understandable.

The TAP Controller menu driven software is well laid out, logical and very intuitive. All operations present themselves well and nothing is cryptic or hidden. Simply respond to the screen menu with a touch.

During stand-by and run operations the TAP Controller displays large format, high contrast screens that display kiln temperature and current state. These large displays can be seen and understood from across the studio.

There’s no guessing or m mystery in close to view. Touchscreen technology offers many improvements over current control designs and Everheat is dedicated to providing this technology to our customers.

Wonderfully Simple

The TAP Controller allows the artist to choose from a group of pre-built firing schedules or create their own, unique firing schedules for full artistic control.

Firing schedule creation consists of deciding on a firing schedule name, entering the firing data and saving. It’s Wonderfully Simple and allows a human to be able to read and understand. The TAP Controller allows for a virtually unlimited number of firing schedule which means you’re free to create any number of specific programs and store them for future use.

Once created and saved firing schedule are easily modified if desired. Simply choose to modify the schedule and have at it. The TAP Controller will display all of the firing schedule data on the touchscreen for inspection and modification. It’s all there in a table and easy to understand form.

The TAP Controller also displays a visual graph of the kiln’s chamber temperature during the firing. This graph allows the artist to monitor the history of the firing as it takes place.

High Performance

The TAP Controller utilizes a Proportional Integral-Derivative (PID) controller with accurate temperature scheduling following with the fastest response, minimal overshoot, and limited steady state error. We couple that with our selection of low error thermocouple components for excellent kiln performance.

Kiln error information and diagnostics features are designed to keep you informed on top of any kiln component failure or potential failure. Preventive maintenance settings allow you to monitor relay thermocouple and heating element usage for possible replacement before a problem arises.

Diagnostics provide a real time look into the usage of critical kiln components. From the diagnostic screen, you can view the actual number of relay activations, the amount of time the heating elements have been on, and the amount of time the thermocouples have been exposed to high temperatures.

The TAP Controller monitors many functions, among them is your actual cost per firing. Simply enter your cost per kilowatt hour and the wattage of your kiln. The TAP Controller uses this information to calculate a realistic approximation of your cost to electrical usage for your firing schedules.