Nice, touch!

Introducing the new TAP Controller featuring touchscreen technology

The day has arrived, Evenheat 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 connection using web and mobile device apps (apps 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 ease. 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 standby 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 moving in close to view.

Touchscreen technology offers many improvements over current control designs and Evenheat is dedicated to providing this technology to our customers.

Wonderfully Simple

The TAP Controller allows the artist to choose from a grouping of pre-loaded 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 in the firing data and saving. It's wonderfully simply and always in a format that can be read and understood. The TAP Controller allows for a virtually unlimited number of firing schedules which means you're free to create any number of specific programs and store them for future use.

Once created and saved firing schedules 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 legible and easy to understand form.

The TAP doesn't stop there. During an actual firing the TAP offers on-the-fly changes including adjusting set point temperatures, hold times and skipping ahead. As with all control features, these on-the-fly changes are easily managed and displayed in full text. The TAP Controller also creates a visual graph of the kilns chamber temperature during the firing. This graph allows the artist to monitor the history of the firing as it takes place.

Wi-Fi and More

The TAP Controller is designed for computer networking via USB wi-fi or ethernet connections. This connectivity allows the artist to monitor the kiln, develop and edit programs and perform TAP Controller functions from a network connected computer, tablet or other mobile device. Web based apps are expected to be available Dec of 2015.

Evenheat has designed the TAP Controller package for instant, direct access to the USB and Ethernet ports. There's no need to disassemble the kiln to access these ports. These ports are readily accessible from the outside of the controller package, simply plug in and go. Proper design and execution, it's what you expect and get from Evenheat.

Software updates will be available on a semi-annual or as-needed basis and are downloaded to the TAP Controller via a USB thumb drive, wi-fi connection or Ethernet connection. Updating is fast and simple and will give you the latest in features, themes and functionality.

High Performance

The TAP Controller utilizes a Proportional Integral-Derivative (PID) control algorithm to ensure accurate schedule 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 and on top of any kiln component failure or potential failure. Preventative maintenance settings allow you to monitor relay, thermocouple and heating element use for possible replacement before a problem arises.

Diagnostics provide a real-time look into the usage of critical kiln components. From the diagnostics screen, you can view the actual number of relay actuations, 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 the cost of your electrical usage for your firing schedules.