

# DynaTrol Dynamic Zone Control

## 24-Key Control: 4 Preset Ceramic Programs & 6 User Defined Programs

### Features & Benefits

**Four “Easy-Fire” Preset Firing Profiles:** Make it easy to fire ceramics with Slow Bisque, Fast Bisque, Slow Glaze and Fast Glaze. All have time proven profiles for the vast majority of ceramic firing. Just enter cone number and optional delay time, soaktime, candling time and alarm. A cool-down segment can be added to an Easy-Fire program.

**Six User-Defined “Vary-Fire” Profiles:** This allows you to have 6 separate repeatable stored programs with up to 8 segments (cooling or heating ramps, temperature setpoint and an optional hold time per segment). The DynaTrol allows you to soak at a low temperature for a long time (i.e. you can have an automatic drying period) and then automatically ramp up to your high fire at different rates. You can ramp slowly through critical periods or soak at end point temperatures for more consistent maturing of work. It also allows for a controlled cool-down to avoid heat shock. You can link two of these profiles to make one 16 segment program.

**Number of Zones is Programmable:** You can easily change the control from a three zone to a two or even single zone control. This is useful on L&L's unique sectional kilns where you can remove or add sections.

**Delay Start by up to 99 hours, 99 minutes:** Allows you to plan end of firing conveniently.

**Candle (low temp soak) for up to 99 hours, 99 minutes:** To dry ware.

**Soak at Final Set Point for up to 99 hours, 99 minutes:** Soaking can dramatically improve firing results.

**Thermocouple Offset:** Allows you to individually bias thermocouples to adjust for thermocouple drift or kiln uniformity adjustments.

**Cone Offset:** Allows you to match the “Easy-Fire” cone set points to your real firing experience.

**Program Review:** See the entire program before or while running it.

**Segment Review:** Lets you review the segment you are on. Also shows you what your current set point is during the program as it is changing.

**Audible Temperature Alarm:** Can alert you at any point in program.

**Change of Program During Firing:** Make adjustments as needed.

**Last Temperature Reached:** Shown at end of Easy-Fire program. Also the final rate of rise is stored for diagnostics.

**Thermocouple Burnout Protection:** Kiln will shut down automatically if all thermocouples burn out. Kiln continues to fire if one or two thermocouples burn out.



**Digital Indication:** See temperature in either degrees F or C. You can scroll through all three thermocouple readings to see what each zone is doing. 14 segment display for clear messages.

**Electronic Control Matches Pyrometric Cone Performance:** This feature adjusts the final temperature reached in an Easy-Fire profile based on the speed of the actual firing. It results in accurate automatic control of heat-work in ceramic firing.

**Filtering & Noise Control:** Advanced electrical noise filtering.

**Diagnostics:** A number of diagnostic and troubleshooting systems are built into the control. ([hotkilns.com/error-codes](http://hotkilns.com/error-codes))

**Adjustable Cycle Time:** Adjustable from 200 milliseconds to 60 seconds.

**Selectable Thermocouple Type:** Type K and Type S are selectable.

**Monitor DynaTrol from a Computer:** KISS Software package, 25 foot cable and RS485/232 converter that plugs into a Windows based computer. Monitor up to 10 kilns. Download profiles, chart/graph actual firing, monitor kiln temperatures all in Windows. ([hotkilns.com/kiss](http://hotkilns.com/kiss)).



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**KILNS BUILT TO LAST**

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