

DynaTrol

Press the **START/STOP** Button to start firing the program you have selected. You can also stop a program from firing.

The **Vary-Fire** section is for advanced users.



Press **Review Prog** to see what program you are running and to make sure you have entered the proper cone number.

Review Seg allows you to see what segment of the program you are on.

The **Other** section is for entering options such as cone offsets, thermocouple offsets, etc.



Choose one of the four **Easy-Fire** programs. The control will prompt you for cone number and hold time.

Enter the cone number and other numeric information like **Delay Time** using the number keypad.



Preheat allows you to enter a time for the kiln to dry out your ware automatically.

Alarm sounds an audible alarm at whatever temperature you set.



Delay Delay start by up to 99 hours, 99 minute

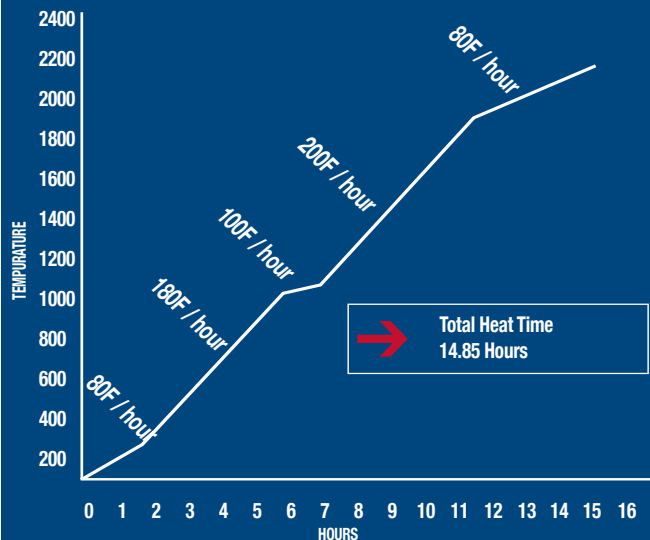
The DynaTrol makes it easy to fire ceramics. Even people who are shy of programming can work with this control. Slow Bisque, Fast Bisque, Slow Glaze and Fast Glaze all have time proven profiles for the vast majority of ceramic firing. Just enter cone number and fire.

Delay start Delay start by up to 99 hours, 99 minutes. Allows you to plan end of firing conveniently. This can also be useful for saving energy costs by firing kiln using night electric rates.

Preheat (candle) Soak at 180°F for up to 99 hours, 99 minutes which allows you to dry ware thoroughly. This great feature can save your pots from blowing up (water expands 1170 times when it turns to steam).

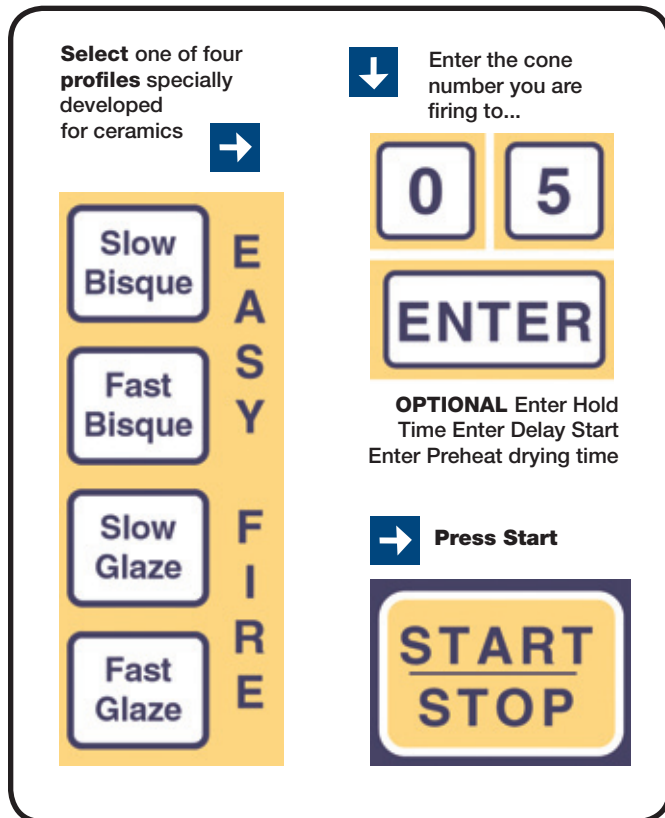
Audible temperature alarm This can alert you at any point in the program, for instance when the kiln is close to maturity (so you can watch it reach final set point).

Zone differential in a three zone kiln glaze to Cone 8



→ Easy to use

Four “Easy-Fire” Preset Firing Profiles and a whole lot more



Last temperature reached is shown at end of Easy-Fire program.

Thermocouple offset Allows you to individually bias thermocouples to adjust for thermocouple drift or make kiln uniformity adjustments.

Cone offset Allows you to match the Easy-Fire cone set points to your actual firing experience.

Change of program during firing Make adjustments as needed.

Dust-sealed graphic panel Makes programming easy.

Thermocouple burnout protection The kiln will shut down automatically if all thermocouples burn out. Kiln continues to fire if one or two thermocouples burn out. (It's like having built-in spares).

Check temperatures Scroll through all three thermocouple readings to see what each zone is doing. See temperature in degrees F or C.

Cold junction compensation Adjusts for varying ambient temperatures makes control more accurate. Control can operate in ambient temperatures of 32°F to 125°F (0°C to 50°C). Segment review button lets you see ambient board temperature.


DynaTrol matches pyrometric cone performance This patented 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.

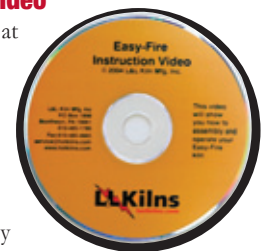
Number of zones is programmable You can easily change the control from a three zone to a two or even single zone control. This is useful on L&L's unique sectional kilns where you can remove or add sections.

Automatic restart after brief power interruption with alert. Control logic determines whether it is better to continue or shut down.

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. See hotkilns.com/kiss.pdf for more information.

The instruction manual and CD/Video

Download the complete instruction manual at hotkilns.com/dynatrol.pdf. This completely describes the features and functions, and details all the Easy-Fire preset programs. See the simplified manual for basic operation at hotkilns.com/dynatrol-basic-operation.pdf. Also you can request a free CD/Video using the Postage Paid Card in this catalog or by calling or emailing. 



Advanced features

Six user-defined Vary-Fire profiles For more sophisticated needs, the Vary-Fire part of the control offers six separate repeatable stored programs. Each program has up to eight segments (cooling or heating ramps, temperature setpoint and an optional hold time per segment). You can also combine two programs to get one sixteen segment program. The DynaTrol allows you to soak at a low temperature for a long time 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 a controlled cool-down to avoid heat shock or allow glazes to mature.

Soak at final set point for up to 99 hours, 99 minutes. Soaking can dramatically improve firing results. It is hard to do on a manual kiln.

Program review Review program before or while running it.

Segment review Review the segment you are on. Also shows you what your current set point is during the program.