

# ST312

## Kiln Temperature Programmer



### FEATURES

- Single program
- 2 controlled heating / cooling ramps + soak
- Suitable for pottery & ceramics use
- Soak times up to nearly 100 hours
- Ramp rates from 1 to 999°C/hour + full
- Program can be reviewed or altered while firing
- Program Pause & Segment Advance facilities
- Keyboard lockable
- Delayed start facility - up to 4 days
- Power failure recovery
- Energy used display
- Optional alarm/safety relay
- Power relay version available

## DESCRIPTION

**GENERAL** The ST312 is a single program controller designed for pottery & ceramics firing. It is fully adjustable with a detailed 6-lamp mimic display. The program comprises 2 ramps followed by a soak. Ramps can be heating or cooling. It executes a controlled ramp to temperature t1 then it executes another controlled ramp to temperature t2. It soaks at t2 for the required period. Natural cooling then follows.

**SETTING UP** To change any of the controller's settings press the **➡** key until the required lamp on the mimic display flashes. The current value will be displayed together with the units (°C, °C/hr or hr.min). Change the displayed settings with the **⬆** & **⬇** keys which can be held down for acceleration. Use the **⬅** key to correct mistakes. All settings are remembered while the controller is powered off. The keyboard can be locked to prevent tampering.

**FIRING** The START/STOP key is used to commence or halt a firing. The progress of the firing is shown on the mimic display. If a start delay has been set then the delay time remaining will be displayed. During firing the settings can be reviewed and altered if required, the program can be paused/resumed or a segment can be advanced. During soaking the soak time remaining and the soak temperature are alternately displayed. In the event of a power failure the controller will intelligently re-commence firing when power returns.