



ST501 Kiln Temperature Controller

FEATURES

- Simple to use with large alphanumeric display
- Suitable for ceramics or glass
- 20 fully adjustable programs
- Up to 30 segments per program
- 1 ramp + dwell (soak) per segment
- Controlled ramps for heating & cooling
- Program pause feature
- Segment advance feature
- Temperatures from 0 to 1310°C
- Dwell times up to nearly 100 hours
- Ramp rates from 1 to 998°C/hour + full
- Delayed start facility - up to 4 days
- Program check facility
- Power failure recovery
- Energy used display
- Optional internal over-temperature trip
- Optional multi-function control relay (ST501A)
- Separate events for ramps & soaks (ST501A)



DESCRIPTION

GENERAL The ST501 is a program controller designed for pottery, ceramics & glass firing. Its large illuminated 32 character display makes it easy to set up & use. Setting up is performed using an on-screen menu system and during firing full status information is displayed.

PROGRAMS 20 programs are provided. The programs are fully adjustable and each can contain from 1 to 30 ramp/dwell (soak) segments. Controlled heating & cooling ramps are possible.

For convenience the controller is provided with 10 pre-loaded programs. These programs cover the majority of common firing requirements and have been chosen to give safe repeatable results over a wide range of sizes, sections & material types. These programs can be altered or deleted as required.

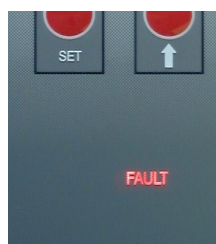
TYPICAL DISPLAYS

selecting program...	firing...	status...	paused...
PROG: 20 880°C _r	HEATING RAMP. .r KILN TEMP 750°C	COOLING RAMP. .r KILN TEMP 600°C	PROG: 20 SEG: 10 KILN TEMP 550°C
			HEATING PAUSED r KILN TEMP 750°C

OPTIONS

INTERNAL TRIP

This is an adjustable safety device which cuts off heating power in the event of over-firing. A normally hidden FAULT legend illuminates.



AUXILIARY RELAY

The auxiliary relay can be user configured as either a damper control, safety alarm or event relay.

CABLE & CONNECTOR

This is a 2m or 3m cord fitted with a standard Harting style HAN 7D connector. Mating pre-wired kiln connectors can also be supplied.

