

HILLDAV

ST315B

Kiln Temperature Programmer



SPECIFICATION

Power supply

Voltage range: 100 - 253V
Frequency: 50/60Hz
Phases: 1
Power: Controller 3VA
Fuse: 3.15A slow-blow
HRC 20mm x 5mm
ceramic

Enclosure

Size: 120x122x58mm

Error Handling

Thermocouple failure detection
Thermocouple reversal detection
Heater failure detection
Kiln over-temperature detection
Room over-temperature detection
Lock-up on error facility

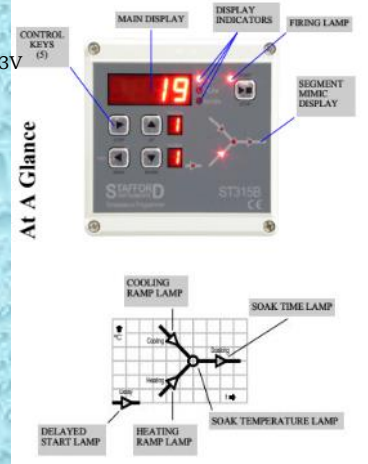
Temperature

0-1400°C with resolution of 1°C

Programs

9 programs each with 1-9 segment
1 ramp & 1 soak per segment
Ramp Rate: 1 to 999°C/hour or Full Power.
Ramps can be heating or cooling.

At A Glance



\$ 998.10 + GST = **\$1,097.91**

FEATURES

- 9 programs—each with up to 9 segments
- 1 controlled heating / cooling ramps + soak per segment
- Suitable for ceramics or glass use
- Soak times up to nearly 100 hours
- Ramp rates from 1 to 999°C/hour + full
- Programs 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
- Standard alarm / safety relay with alarm buzzer

DESCRIPTION

GENERAL

The ST315B is a 9-program controller designed for pottery, ceramics & glass firing. Each program can have from 1 to 9 segments. It is fully adjustable with a detailed 5-lamp mimic display & continuous display of program & segment numbers. Each segment comprises ramps followed by a soak. Ramps can be heating or cooling. It executes a controlled ramp to temperature then. It soaks for the required period then executes the next segment. The end of the program is marked by selecting 'End' while entering a ramp rate. Natural cooling then follows.

CONFIGURATION

The ST315B is factory configured as a signal controller to drive kilns contactors. Such kilns are often fitted with an industry standard control socket and the ST315B can be supplied fitted with a mating controller plug and lead if required. Power controllers are used to directly switch power to smaller kilns (up to 5kW power rating) which do not have control gear.

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Digital Thermometer Digital Thermometer



TC308K Digital Thermometer

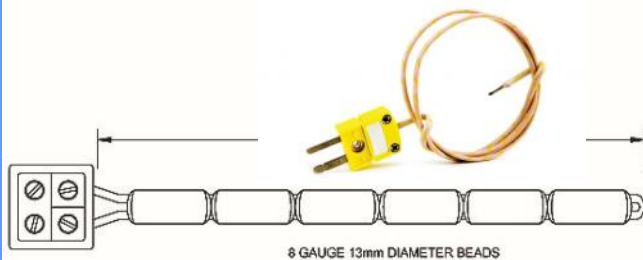
DIGITAL THERMOMETERS

PRICE	RETAIL	
NO GST	with GST	TC308K

Digital Thermometer

\$225.00	\$247.50	DITITAL INDICATOR	
Type 'K' (BATTERY INCLUDED), with			
THERMOCOUPLE—WIRED UP READY TO			GO
Type K single Input (Mini Plug)			

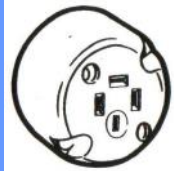
- Auto Power Off
- 14mm high digit LCD display.
- Power supplied by 9v battery (supplied)
- Range Type K Input—50 to 1300 °C
- Accuracy +/- 0.3 % + 1°C
- Resolution 0.1 °C to 199.9 °C then 1°C
- Case is manufactured form hi-grade ABS plastic and in supplied with a moulded rubber boot which makes it ideal for studio conditions and perfect for you to just put in your tool bag for transport.
- Recalibration / Offset Screw on face
- Minimum / Maximum Function
- Mini plug well protected in top panel of Instrument
- Weight; 300g



\$87.05	\$95.75	SPARE TYPE 'K'
THERMOCOUPLE with		
LEAD & MINI PLUG.		

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Kiln Controllers & Thermocouples Kiln Controllers & Thermocouples



PRICE RETAIL
NO GST with GST

4 PIN PLUG & SOCKET

\$44.90	\$49.38	4 PIN PLUG
\$56.40	\$62.04	4 PIN SOCKET

THERMOCOUPLES

\$56.00	\$61.60	THERMOCOUPLE type 'K' - - - 10"
\$56.00	\$61.60	THERMOCOUPLE type 'N' - - - 10"
\$292.50	\$321.75	THERMOCOUPLE type 'R' - - - - 9" (Special NOT STOCKED) R' 13% Platinum/Rhodium.

CERAMIC SHEATH

\$73.60	\$80.96	CERAMIC SHEATH 10" for type 'K' & 'N'
\$46.40	\$51.04	CERAMIC SHEATH 7mm for type 'R'

COMPENSATING WIRE

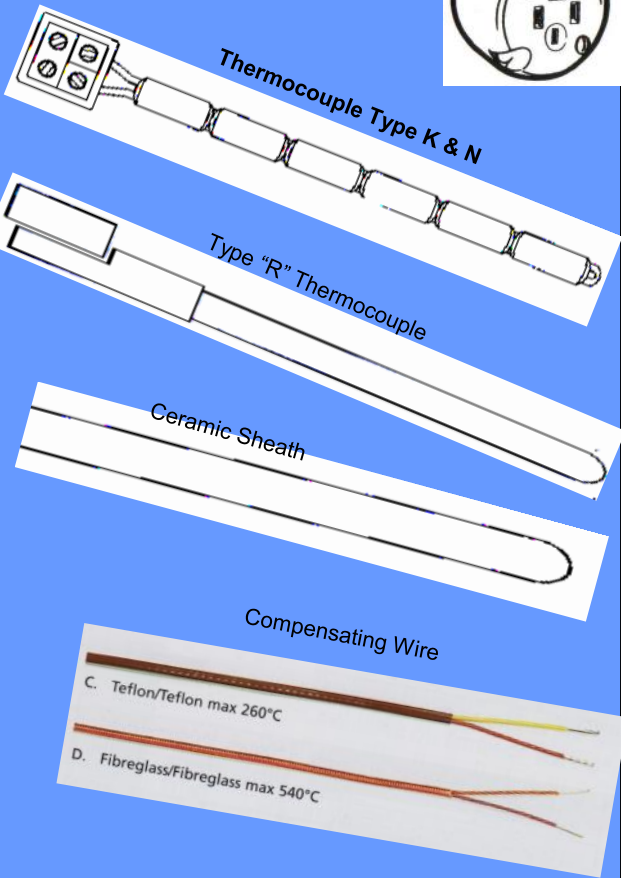
\$10.23	\$11.26	COMPENSATING WIRE GLASS COVERED TPYE 'K' 'N' & 'R'
\$8.80	\$9.68	COMPENSATING WIRE PLASTIC COVERED TPYE 'K' 'N' & 'R'

PANEL JACK & SOCKET

\$36.15	\$39.77	Standard size JACK type 'N' 'K' & 'R'
\$27.00	\$29.70	Standard size PLUG type 'N' 'K' 'R'
\$35.88	\$39.47	Mini size JACK type 'K'
\$24.60	\$27.06	Mini size PLUG type 'K'

ENERGY REGULATOR

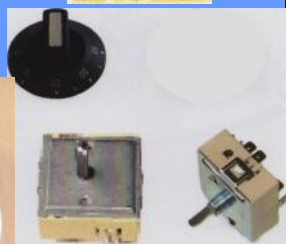
\$49.30	\$54.23	EGO	13amp with KNOB
\$52.50	\$57.75	SUNVIC	16amp with KNOB



Standard Plug & Jack



Mini Plug & Jack



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Contactors, Switches & Other Control Equipment. Contactors, Switches & Other Control Equipment.



C-12D400I7

SMC-3211I5



SMC-4011I5



735-2C-C1



Hilldav

Cesco



PRICE NO GST with GST	RETAIL	<u>CONTACTORS</u>
\$50.75	\$55.82	C-12D400I7 4 Pole, 25 amp.
\$82.00	\$90.20	SMC-3211I5 3 Pole, 50 amp.
\$85.00	\$93.50	SMC-4011I5 3 Pole, 60 amp.
\$39.00	\$42.90	Power Relay 735-2C-C1

DOOR SWITCHES

\$11.00	\$12.10	DOOR SWITCH HILLDAV, WARD
\$52.50	\$57.75	DOOR SWITCH TETLOW.
\$40.00	\$44.00	DOOR SWITCH CESCO.

DOOR LATCHES

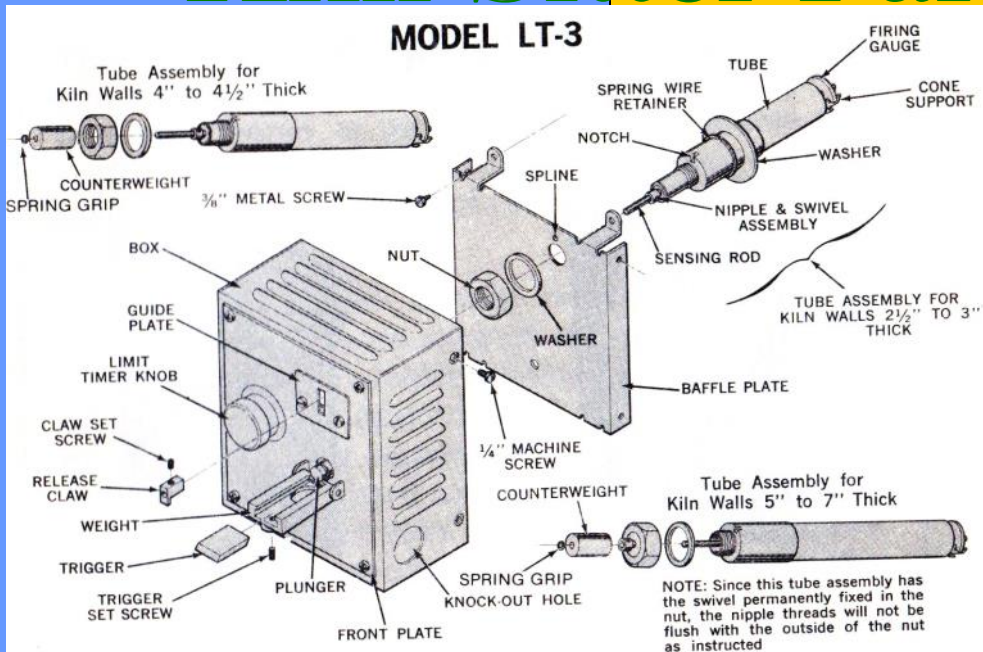
\$151.50	\$166.65	HILLDAV "T" Type	\$43.00
	\$47.30	WARD "T" Type.	\$46.50
	\$51.15	WARD, TETLOW Small kiln model	

KILN BUNGS

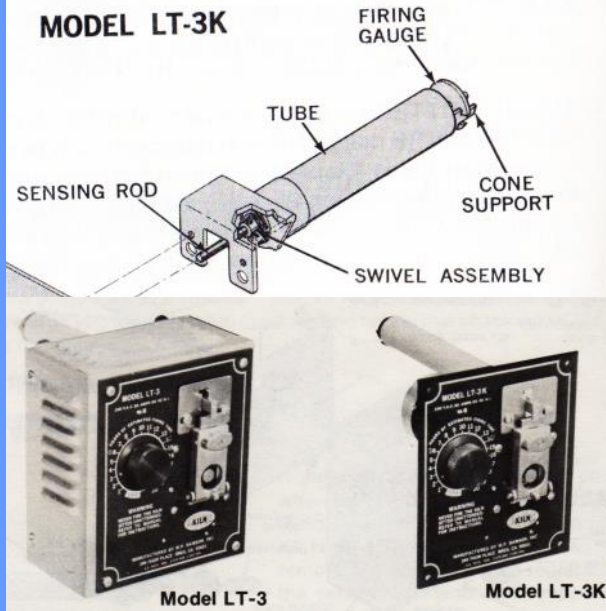
\$49.50	\$54.45	HILLDAV
\$9.00	\$9.90	UNIVERSAL
\$49.50	\$54.45	TETLOW

HILLDAV

Kiln Sitter Parts Kiln Sitter Parts



KILN SITTER PARTS



PRICE NO GST	RETAIL with GST	
\$322.50	\$354.75	TUBE ASSEMBLY LT-3K (long) #70A (For Top loading kiln such as Duncan , Paragon)
\$322.50	\$354.75	TUBE ASSEMBLY LT-3 (P/4") (For kiln with a wall thickness of LESS than 4")
\$322.50	\$354.75	TUBE ASSEMBLY LT-3 (P/6") (For kiln with a wall thickness of 6" or more)
\$26.00	\$28.60	SENSING RODS (All Lengths)
\$23.20	\$25.52	CLAW ASSEMBLY
\$14.43	\$15.88	FIRING GAUGE
\$24.32	\$26.75	CONE SUPPORTS
\$3.45	\$3.80	COUNTER WEIGHT
\$2.30	\$2.53	SPRING GRIP
\$2.30	\$2.53	SPRING RETAINER
\$6.50	\$7.15	GASKET