

SCTC6

Digital Six Channel Temperature Controller

● SCTC Series



SPECIFICATIONS

• INPUT

Power : 90 - 270 Vac / 50 Hz
Consumption : 5 VA maximum
Control : Thermocouple / PT100 / 0-10Vdc
(Factory Set)

• OUTPUT

Control : +24 Vdc / 100mA max.
(Factory Set)

• ENVIRONMENT

Temperature : 0 - 55°C
Humidity : 5 - 95 % Rh, Non-condensing

• DIMENSIONS

: 96 x 96 x 150 mm

• WEIGHT

: 650 gms maximum

SCTC6 is a Six Channel Temperature controller incorporating micro controller, housed in un-believable compact size of 96 X 96 and proven most economical in multi - zone applications.

FEATURES

- Inherently reliable Microcontroller Technology
- Full variety of input signals - thermocouple / PT 100 / voltage (0 - 10 Vdc)
- Automatic Cold Junction Compensation for thermocouple Input
- Input Overrange Detection
- Two outputs per channel - +24 Vdc / Open Collector type
- Common Alarm output - + 24 Vdc / Open Collector type
- Variety of Control Functions - PID, On/Off, Two Set Points, Two Set Points with hysteresis
- Universal SMPS at input to handle large input supply variations 90 - 270 Vac
- Unbelievable Compact Size- 96x96x150 mm & light weight (<650 gms)
- Two 3 digits & 1 single digit display and membrane keypad for user interface
- Software Calibration / optional software linearization
- Non volatile memory for retention of data
- Optional RS 232 / 485 Serial Interface

Manufactured By:

 **Streamline**
Controls Pvt. Ltd.

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Automation... Productivity through Technology...

Streamline controls Pvt. Ltd.		Approved By
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SCTC1

Single Channel Temperature Controller

● SCTC Series



SCEC series controller is multifunction economical controller incorporating microcontroller. The variety of control functions supported – PID, On/Off, Two Set Points, Two set points with Hysteresis, Single Ramp / Soak – make it the most versatile controller. It offers full variety of input signals – Thermocouple / PT 100 / 0-10 Vdc / 4 - 20 mA & full variety output signals - Potential Free Relay / 0-10 Vdc / 4-20 mA. In addition, it offers one auxiliary relay for alarm output. With universal SMPS at the input it can operate safely in wide input voltage variations – 90 – 270 VAC. The controller is available – with single / dual 4 digit display – in compact sizes – 48X96 / 96X96 & is lightweight – 450 gms. maximum. Other features include – Software Calibration, Optional Software Linearization, Non-Volatile Memory, Automatic Cold Junction Compensation (For Thermocouple input), Overrange indication for inputs, Optional RS 232 / 485 interface etc. User industries are Plastic, Chemical, Pharmaceutical, Textile, Food Processing, Ovens, Rubber etc.

SPRO6

Time / Temperature Based Profile Generator

● SPRO Series



Streamline Controls Pvt. Ltd. offers Time / Temperature Based Profile Generator up to 25 steps / 25 profiles based on latest industry proven Microcontroller technology, which ensures the best reliability. It can accept thermocouple J/K/R/S/T and RTD inputs (factory setting) of temperature range 0 – 1300 °C, time range 0-1000 second / minutes (user selectable) provide TWO single change over relay N/O type outputs. Each step has three parameters (i) Ramp °C / unit time (ii) Desired set value °C (iii) Soak / Hold time (Second / minute) at desired set temperature. Alarm hold function tries to keep error between two limits which are again programmable & if the error increases, the time update is put in hold till the error is once again within the set limits. Time hold is externally controlled input to hold the unit at present set point. Models available to controls up to 6 temperature loops with common set point tracking. It can accept wide range AC input – 90 to 270 VAC. The high resolution A/D Converters, the cold junction compensation & PID calculation are all completed by single microcontroller chip. It comprises of membrane keys to facilitate user friendly programming. 16 X 2 LCD display provide the view of different parameters. Facilitate with functions - Time Hold / Alarm Hold / Cycle Reset, Intelligent Power Down Mode, Step Over - Cycle Over Output. Online display like – Set & Actual Temperature, Program No., Step No., Step Running Time. It displays "opn" indication for thermocouple open condition. Parameters are stored in reliable E2PROM memory. It is available in size of 96X96X150 mm. It is suitable for the industries like Ovens, Furnaces, Textile, Food Processing, Rubber, Chemical, Pharmaceutical, etc.