

DIGITAL TEMPERATURE CONTROLLERS

SDCE Digital On/Off Benchtop Temperature Controller (SDCE Series)

- ▶ Compact benchtop controller with 4-key touch pad interface
- ▶ On/off control
- ▶ Programmable in °F or °C
- ▶ Includes factory-wired temperature sensor
- ▶ Compatible with a wide range of heaters
- ▶ Ideal for use in dry, indoor environments

Specifications:

Voltage:

- 120VAC model: 100-125VAC
- 230VAC model: 100-240VAC

Max. Amp Load: 8 amp @ 120/240VAC

Temperature Control Range:

- Type-J model: -40°F to 698°F (-40°C to 370°C)
- Type-K model: -40°F to 899°F (-40°C to 482°C)
- PT100-RTD model: -58°F to 842°F (-50°C to 450°C)

Temperature Display Units: °F and °C

Sensor Input: 5 ft (1.5 m) Type-J or Type-K thermocouple or PT100-RTD factory installed

Accuracy: +/- 0.5% span +/- 1 digit at 77°F (25°C)

Hysteresis: Adjustable setting from 1° to 99° (°F or °C)

Alarms: Audible; programmable for high or low range

Input Power Cord/Connections: Designated by model

Output Power Cord/Connection:

- 120 VAC model: NEMA 5-15R receptacle
- 230 VAC model: Neutrik receptacle with mating plug (PN: 41329-03)

Environmental Exposures:

- Operating range: 32°F to 100°F (0°C to 37°C)
- Storage range: -4°F to 158°F (-20°C to 70°C)
- Relative humidity: < 95% non-condensing temperatures

Enclosure Dimensions: 5.25 in x 2.25 in x 5 in (133 mm x 57 mm x 127 mm)



Ordering Information:

Part No.	Voltage	Sensor Type	Input Power Cord
SDCERA	120V	PT100/RTD	
SDCEJA	120V	J-Type	6.6 ft (2 m) cord NEMA 5-15 plug
SDCEKA	120V	K-Type	
SDCERB	230V	PT100/RTD	
SDCEJB	230V	J-Type	6.6 ft (2 m) cord ferrule-terminated leads
SDCEKB	230V	K-Type	
SDCERC	230V	PT100/RTD	
SDCEJC	230V	J-Type	6.6 ft (2 m) cord NEMA 6-15 plug
SDCEKC	230V	K-Type	
SDCERD	230V	PT100/RTD	
SDCEJD	230V	J-Type	6.6 ft (2 m) cord Schuko CEE 7/7 Plug
SDCEKD	230V	K-Type	
SDCERE	230V	PT100/RTD	
SDCEJE	230V	J-Type	8.2 ft (2.5 m) cord UK Type G plug
SDCEKE	230V	K-Type	



Applications:

- Research and development laboratory testing
- Food processing
- Emulsifying cosmetic components
- Industrial heating and drying
- Adhesive curing
- Gas handling
- Viscosity control
- Freeze protection