

PID DIGITAL TEMPERATURE CONTROLLERS

SDX Digital PID Benchtop Temperature Controller (SDX Series)

- ▶ Compact benchtop temperature controller with advanced PID control or on/off control capabilities
- ▶ 4-key touch pad interface
- ▶ For indoor, dry environment applications
- ▶ Includes 5 ft (1.5 m) temperature sensor and C14 power plug for wiring controller to heater

Specifications:

Voltage: 100 - 240 VAC

Max. Amp Load: 15 Amp North America; 10 Amp Europe

Temperature Control Range: 0°F to 999°F and 0°C to 999°C

Temperature Display Units: °F and °C

Sensor Input: Type-J or Type-K Thermocouple, or PT100-RTD

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

Alarms: Audible; Programmable for high or low absolute, or deviation

Input Power Cord/Connections: 6.5 ft (2 m) long with input power plug based on model

Output Power Cord/Connection: C13 receptacle with mating C14 plug

Special Features: Digital PID with Autotuning

Environmental Exposures:

Operating range: 32°F to 111°F (0°C to 44°C)

Storage range: -4°F to 158°F (-20°C to 70°C)

Relative humidity: < 95% non-condensing temperatures

Enclosure Dimensions: 6.4 in x 2.6 in x 9.5 in (162 mm x 66 mm x 241 mm)



Applications:

Provides accurate PID control across a wide temperature range to regulate cloth and silicone heating blankets, tapes and cables, jackets and heating mantles. Applications include:

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



Value-priced bundles are available that include SDX controllers with our most popular heaters. See options starting on page 8-17



Ordering Information:

Controllers:

Part No.	Voltage	Sensor Type	Input Plug Type	Power Cord Part No. (Included)
SDXJA	100 - 125 VAC	Type-J/T/C	NEMA 5-15	
SDXKA	100 - 125 VAC	Type-K/T/C		40911
SDXRA	100 - 125 VAC	PT100-RTD		
SDXJB	100 - 240 VAC	Type-J/T/C	Ferrule Ends	
SDXKB	100 - 240 VAC	Type-K/T/C		40911-12
SDXRB	100 - 240 VAC	PT100-RTD		
SDXJC	100 - 240 VAC	Type-J/T/C	NEMA 6-15	
SDXKC	100 - 240 VAC	Type-K/T/C		40911-01
SDXRC	100 - 240 VAC	PT100-RTD		
SDXJD	100 - 240 VAC	Type-J/T/C	Schuko	
SDXKD	100 - 240 VAC	Type-K/T/C		41329-03
SDXRD	100 - 240 VAC	PT100-RTD		
SDXJE	100 - 240 VAC	Type-J/T/C	UK Type G	
SDXKE	100 - 240 VAC	Type-K/T/C		40911-11
SDXRE	100 - 240 VAC	PT100-RTD		

Additional Temperature Sensors:

Temperature controller includes 5 ft (1.5 m) long sensor

Part No. Type-J Sensor	Part No. Type-K Sensor	Part No. PT100 RTD Sensor	Length ft (m)	Connector Type
TAJN05-AA	TAKN05-DA	THR05-HA	5 (1.5)	Mini
TAJN10-AA	TAKN10-DA	THR10-HA	10 (3.0)	Mini
TAJN25-AA	TAKN25-DA	THR25-HA	25 (7.6)	Mini