

PID DIGITAL TEMPERATURE CONTROLLERS



- ▶ 4-Key touch pad interface
- ▶ Advanced PID control
- ▶ Programmable for On/Off Control
- ▶ Indoor use
- ▶ Plug & Play design
- ▶ Power On/Off button

- ▶ Power cord plugs and sensors to meet individual needs
- ▶ Programmable in both °F and °C
- ▶ Includes C14 Plug for wiring to heater
- ▶ Benchtop design
- ▶ 5 ft Temperature sensor included

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: 79 in (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)

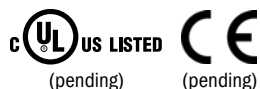
Storage range: -4°F to 158°F (-20°C to 70°C)

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)

Enclosure Rating/Classification Designation:
NEMA1; IP30

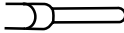


All safety-critical components, enclosures and materials used in the manufacture of this product are UL Listed/Recognized and suitably rated for the intended application.

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Ordering Information:

Controllers:

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

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

Temperature Sensors:

Part No.	Description	Price
TAJN05-AA	5 ft (1.5 m) Type-J T/C, mini	\$40
TAJN10-AA	10 ft (3 m) Type-J T/C, mini	\$45
TAJN25-AA	25 ft (7.6 m) Type-J T/C, mini	\$77
TAKN05-DA	5 ft (1.5 m) Type-KT/C, mini	\$40
TAKN10-DA	10 ft (3 m) Type-KT/C, mini	\$45
TAKN25-DA	25 ft (7.6 m) Type-KT/C, mini	\$77
THRN05-HA	5 ft (1.5 m) RTD, mini	\$40
THRN10-HA	10 ft (3 m) RTD, mini	\$45
THRN25-HA	25 ft (7.6 m) RTD, mini	\$68

Industries:

- Laboratory
- Agriculture
- Petrochemical
- General Manufacturing
- Semiconductor
- Composite
- Chemical
- Food and Beverage
- Plastics