



# DIN Temperature/Process Controller

Dual Control Output, RS-485 Communication, Auto-Tuning

## Models Select Chart

Model	Description
4B-23	1/4 DIN temperature/process controller, (1) voltage pulse output and (1) relay output.
4B-23-LV	1/4 DIN temperature/process controller, (1) voltage pulse output and (1) relay output, low voltage
4B-33	1/4 DIN temperature/process controller, (2) relay outputs.
4B-33-986/U	Benchtop Temperature/Process Controller, 120 V supply, with 2 relay outputs, and universal sensor input.
4B-33-LV	1/4 DIN temperature/process controller, (2) relay outputs, low voltage
4B-53	1/4 DIN temperature/process controller, (1) current output and (1) relay output.
4B-53-LV	1/4 DIN temperature/process controller, (1) current output and (1) relay output, low voltage
4B-63	1/4 DIN temperature/process controller, (1) linear voltage output and (1) relay output.
4B-63-LV	1/4 DIN temperature/process controller, (1) linear voltage output and (1) relay output, low voltage

## Accessories

<b>Model</b>	<b>Description</b>
SCD-SW	Configuration software.
A-277	Precision resistor, 250 ohm.
MN-1	Mini-Node™ RS-485 to USB converter.
A-900	Weatherproof enclosure, type 4X, control direct panel mounts in the front of the enclosure.
A-901	Weatherproof enclosure, type 4X, clear plastic window with rear panel for mounting the control inside the enclosure.
A-600	R/C snubber (recommended for inductive loads like a solenoid or contactor).
A-TC-K100-FB	K type, 100' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K100-FEP	K type, 100' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K25-FB	K type, 25' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K25-FEP	K type, 25' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K50-FB	K type, 50' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K50-FEP	K type, 50' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-J100-FB	J type, 100' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J100-FEP	J type, 100' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J25-FB	J type, 25' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J25-FEP	J type, 25' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J50-FB	J type, 50' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J50-FEP	J type, 50' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM

<b>Specifications:-</b>		
<b>Inputs</b>	:	Thermocouple, RTD, DC voltages or DC current.
<b>Display</b>	:	Two 4-digit, 7 segment .25" H (6.35 mm) LED's. PV: red; SV: green.
<b>Accuracy</b>	:	±0.25% span, ±1 least significant digit.
<b>Supply Voltage</b>	:	100 to 240 VAC, 50/60 Hz
<b>Power Consumption</b>	:	5 VA max.
<b>Operating Temperature</b>	:	32 to 122°F (0 to 50°C).
<b>Memory Backup</b>	:	Nonvolatile memory.
<b>Control Output Ratings</b>	:	Relay: SPST, 5 A @ 250 VAC resistive; Voltage Pulse: 14 V, 10% to -20% (max 40 mA); Current: 4 to 20 mA Linear Voltage: 0-10 V.
<b>Communication</b>	:	RS-485 Modbus® A-5-11/RTU communication protocol.
<b>Weight</b>	:	15 oz (425 g).
<b>Agency Approvals</b>	:	CE, RoHS, cUL, UL.
<b>Front Panel Rating</b>	:	IP56.