



DIN Temperature/Process Controller
Dual Control Output, RS-485 Communication, Universal Inputs

Models Select Chart

Model	Description
16B-23	1/16 DIN temperature/process controller, voltage pulse output 1 and relay output 2.
16B-23-LV	1/16 DIN temperature/process controller, voltage pulse output 1 and relay output 2, low voltage
16B-33	1/16 DIN temperature/process controller, relay outputs 1 and 2.
16B-33-LV	1/16 DIN temperature/process controller, relay outputs 1 and 2, low voltage
16B-53	1/16 DIN temperature/process controller, current output 1 and relay output 2.
16B-53-LV	1/16 DIN temperature/process controller, current output 1 and relay output 2, low voltage
16B-63	1/16 DIN temperature/process controller, linear voltage output 1 and relay output 2.
16B-63-LV	1/16 DIN temperature/process controller, linear voltage output 1 and relay output 2, low voltage

Accessories

Model	Description
SCD-SW	Configuration software.
A-277	Precision resistor, 250 ohm.
MN-1	Mini-Node™ RS-485 to USB converter.
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-	K type, 100' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM

FEP	
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

Specifications:-		
Inputs	:	Thermocouple, RTD, DC voltages or DC current.
Display	:	Two 4-digit, 7 segment .25" H (6.35 mm) LED's. PV: red; SV: green.
Accuracy	:	±0.25% span, ±1 least significant digit.
Supply Voltage	:	100 to 240 VAC, 50/60 Hz or 24 VDC (depending on model).
Power Consumption	:	5 VA max.

Operating Temperature	:	32 to 122°F (0 to 50°C).
Memory Backup	:	Nonvolatile memory.
Control Output Ratings	:	Relay: SPST, 5 A @ 250 VAC resistive; Voltage Pulse: 14 V, 10% to -20% (max 40 mA); Current: 4 to 20 mA.
Communication	:	RS-485 Modbus® A-5-11/RTU communication protocol.
Weight	:	4 oz (114 g).
Agency Approvals	:	CE, RoHS, cUL, UL.
Front Panel Rating	:	IP56.