1/8 DIN Temperature/Process Controller
Vertical Mount, Dual Control Output, RS-485 Communication

The Series 8B 1/8 DIN Temperature/Process Controller offers versatility and reliability for temperature and process monitoring applications. Designed as a vertical mount 1/8 DIN controller, the Series 8B features dual outputs, universal input, and up to three additional alarm outputs. The second output can be configured as a third alarm output. Select the alarm type from 13 different preprogrammed alarm functions. Control methods include ON/OFF, PID, auto-tune or manual tune. PID control is supported with 64 ramp/soak control actions. RS-485 communication is standard on the Series 8B with up to 247 available addresses.

SPECIFICATIONS
Inputs: Thermocouple, RTD, DC voltages or DC current.
Display: Two 4-digit, 7 segment .38˝ H (9.53 mm) LED’s. PV: red; SV: green.
Accuracy: ±0.25% span, ±1 least significant digit.
Supply Voltage: 100 to 240 VAC, 50/60 Hz.
Power Consumption: 5 VA max.
Operating Temperature: 32 to 122°F (0 to 50°C).
Memory Backup: Nonvolatile memory.
Control Output Ratings:
- Relay: SPST, 5A @ 250 VAC resistive;
- Voltage pulse: 14V, 10% to -20% (max 40 mA);
- Current: 4 to 20 mA;
- Linear voltage: 0-10V.
Communication: RS-485 Modbus® communication protocol.
Weight: 15 oz (425 g).
Agency Approvals: CE, UL, cUL.
Front Panel Rating: NEMA 4X (IP66).

<table>
<thead>
<tr>
<th>Model</th>
<th>Output 1</th>
<th>Output 2</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8B-23</td>
<td>Voltage Pulse</td>
<td>Relay</td>
<td>$135.00</td>
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<tr>
<td>8B-33</td>
<td>Relay</td>
<td>Relay</td>
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<tr>
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<td>Current</td>
<td>Relay</td>
<td>135.00</td>
</tr>
<tr>
<td>8B-63</td>
<td>Linear Voltage</td>
<td>Relay</td>
<td>135.00</td>
</tr>
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</table>

ACCESSORIES
SCD-SW, Configuration Software .................. $35.00 ⑨
A-277, 250 Ohm Precision Resistor ................. 7.00 ⑨
MN-1, Mini-Node™ USB/RS-485 converter .......... 75.00
A-600, R/C snubber .................................. 17.00

*Requires 250 Ohm Precision Resistor.

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