The compact Series 32B Temperature/Process Controller offers advanced control features for the most demanding temperature or process applications. Enclosed in a 1/32 DIN housing, the Series 32B is designed with dual, 4-digit LED displays for local indication of process value and setpoint. Control methods include ON/OFF, PID, self-tune, and manual tune. PID control is supported with 64 temperature and time (ramp/soak) control actions. The dual loop output control allows simultaneous heating and cooling control. The second output can be configured as an alarm mode using one of the thirteen built-in alarm functions.

RS-485 communication is standard on the Series 32B. Up to 247 communication addresses are available with transmission speeds of 2400 to 38,400 bps. The controller also features universal input, selectable temperature units (°F/°C), selectable resolution, quick sampling rate and security protection.

### 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.

**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.

**Communication:**

**Weight:**
- 4 oz (114 g).

**Agency Approvals:**
- CE, UL, cUL.

**Front Panel Rating:**
- NEMA 4X (IP66).

### ACCESSORIES

- SCD-SW, Configuration Software
- A-277, 250 Ohm Precision Resistor
- MN-1, Mini-Node™ USB/RS-485 converter
- A-600, R/C snubber

### Input Types

<table>
<thead>
<tr>
<th>Model</th>
<th>Output 1</th>
<th>Output 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>32B-23</td>
<td>Voltage Pulse</td>
<td>Relay</td>
</tr>
<tr>
<td>32B-33</td>
<td>Relay</td>
<td>Relay</td>
</tr>
<tr>
<td>32B-53</td>
<td>Current</td>
<td>Relay</td>
</tr>
</tbody>
</table>

*Requires 250 Ohm Precision Resistor.