**Annunciator/Alarm Modules**

**PROCESS CONTROL**

**Dwyer Instruments, Inc.**

**www.dwyer-inst.com**

### Temperature/Process Indicator

**Low Cost, 3-Digit Display, 1% Accuracy**

The affordable Series TID allows users to monitor temperature or a process value. Temperature ranges are available from -58 to 302°F using one of our PTC or NTC thermistors. Process values can be displayed from -999 to 999 counts using a 4 to 20 mA signal from one of our various transmitters. The process indicator has an adjustable span and zero.

**SPECIFICATIONS**

- **Range:** -58 to 302°F (thermistor); -999 to 999 counts (4 to 20 mA).
- **Input:** PTC/NTC thermistor or 4 to 20 mA.
- **Power Requirements:** 110 VAC, 230 VAC, 24 VAC/DC.
- **Accuracy:** Better than 1%.
- **Display:** 3-digits; red, green or blue display.
- **Resolution:** 1° or 0.1 count.
- **Front Panel Rating:** IP64 (NEMA 3R).
- **Weight:** 2.3 oz (65 g).
- **Agency Approvals:** CE, cUR, UR.

**Series TID**

<table>
<thead>
<tr>
<th>Model</th>
<th>Units</th>
<th>Input</th>
<th>Supply Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TID-1110</td>
<td>°F</td>
<td>PTC thermistor</td>
<td>110 VAC</td>
</tr>
<tr>
<td>TID-1120</td>
<td>°C</td>
<td>PTC thermistor</td>
<td>110 VAC</td>
</tr>
<tr>
<td>TID-1410</td>
<td>°F</td>
<td>PTC thermistor</td>
<td>24 VAC/DC</td>
</tr>
<tr>
<td>TID-3100</td>
<td>None</td>
<td>4 to 20 mA</td>
<td>110 VAC</td>
</tr>
<tr>
<td>TID-3200</td>
<td>None</td>
<td>4 to 20 mA</td>
<td>230 VAC</td>
</tr>
<tr>
<td>TID-3400</td>
<td>None</td>
<td>4 to 20 mA</td>
<td>24 VAC/DC</td>
</tr>
</tbody>
</table>

**Indicating Alarm Annunciator**

Up to 8 Inputs, Integral Power Supply

The Series AN2 Indicating Alarm Annunciator provides visible and audible alarms for up to eight inputs. The annunciator also has two SPDT relay outputs that can be used to initiate external alarms, buzzers, or paging devices. The Integral 24 VDC power supply can power most level, temperature, pressure, and flow switches. Audible alarm conditions can be acknowledged, reset, or silenced either via the front panel push buttons or the rear terminal block. The Series AN2 can be set to any common ISA sequences including First-Out.

**SPECIFICATIONS**

- **Inputs:** NO or NC switches, open collector transistor (open circuit voltage = 3.3 VDC). Logic levels: LO = 0 to 0.9 VDC, HI = 2.4 to 28 VDC (100 KΩ input impedance).
- **Outputs:** Two SPDT relay (3 A @ 250 VAC or 30 VDC, resistive; 1/14 HP @ 125/250 VAC, inductive).
- **Temperature Limits:** -40 to 149°F (-40 to 65°C).
- **Power Requirements:** 85 to 265 VAC, 50/60 Hz, 90 to 265 VDC; 12 to 36 VDC, 12 to 24 VAC (depending on model).
- **Power Consumption:** 20 W (6 W on low voltage models).
- **Mounting:** 1/8 DIN.
- **Housing Material:** UL rated 94V-0 high impact plastic.
- **Enclosure Rating:** NEMA 4X (IP66) front panel.
- **Weight:** 9.6 oz (272 g).
- **Agency Approvals:** CE, UL.

**Series AN2**

<table>
<thead>
<tr>
<th>Model</th>
<th>Number of Outputs</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN24-1</td>
<td>4</td>
<td>85 to 265 VAC</td>
</tr>
<tr>
<td>AN24-2</td>
<td>4</td>
<td>12 to 36 VDC</td>
</tr>
<tr>
<td>AN28-1</td>
<td>8</td>
<td>85 to 265 VAC</td>
</tr>
<tr>
<td>AN28-2</td>
<td>8</td>
<td>12 to 36 VDC</td>
</tr>
</tbody>
</table>