DYNISCO MODEL 1401
Programmable Process and Temperature Indicator with Linear Output

Description
Like the model 1400, the 1401 also accepts 16 input types but also features a scalable 0 to 10 Vdc and 4 to 20 mA output. This linear output signal allows the operator to monitor fluctuations in the process and enables historical trending of the process when fed to a DCS or recorder. In addition, the 1401’s dual alarms, keyboard lockout, superior noise rejection and rugged surface mount electronics make this indicator a practical choice for your demanding process.

Features
• Selectable 0 to 10 Vdc/4 to 20 mA linear output  
• Programmable thermocouple, RTD and DC process inputs  
• °F/°C scaling  
• IP65/NEMA 4 front panel  
• Scalable display (DC input)  
• Peak detection of minimum/maximum reading

Benefits
• Send information to other devices  
• Accommodate a variety of processes  
• Choice of worldwide units  
• Use in washdown environments  
• Display in actual engineering units  
• Retrieve extremes of the process

Specifications

Performance Characteristics
Dimensions: 1/8 DIN, 3.5 in., (89 mm) depth  
Operating temperature: 32°F to 122°F (0°C to 50°C)  
Rear connections: Screw terminals  
Accuracy: ±0.2% of span  
Power: 100 to 240 Vac, 50/60 Hz (switching)  
CMRR: 120 dB @ 50/60 Hz  
Display: 4 digit, green LED, 0.5 in. high  
Noise rejection: Per IEC801 - 4 level 3  
Sample rate: 500 mS  
Weight: 2 lbs.

Input
Thermocouple: Types J, K, L, N, R, S, T  
Linear: 0 to 60 mVdc, 0 to 5 Vdc, 0 to 10 Vdc, 0 to 20 mA, 4 to 20 mA  
Scaling: °F/°C programmable  
RTD: Type PT100 (DIN 43760)  
Sensor break: Up scale standard  
Input filter: First order digital, with 1, 2, 3, 4, 5 second time constants

Analog Output
Type: 0 to 10 Vdc, 0/4 to 20 mA galvanically isolated  
Scaling: Between -1,999 to +4,000 for zero and full scale  
Accuracy: ±0.1% full scale

Alarms
Number: Two  
Relay rating: 3 A @ 250 Vac, resistive  
Type: SPDT  
Modes: High/low; manual/auto reset; low alarm mask
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Ordering Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Options</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1401</td>
<td>Code Description</td>
<td>Code Voltage</td>
</tr>
<tr>
<td></td>
<td>5 Thermocouple/RTD</td>
<td>3 100 - 240 Vac</td>
</tr>
<tr>
<td></td>
<td>and linear input</td>
<td>(switching)</td>
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<tr>
<td></td>
<td>with dual alarm</td>
<td></td>
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<tr>
<td></td>
<td>and analog output</td>
<td></td>
</tr>
</tbody>
</table>

Ordering Example: 1401 - 5 - 3

Delivery
Express delivery

All dimensions are in inches (millimeters) unless otherwise specified.