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

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Specifications

Performance Characteristics

Dimensions: 1/8 DIN, 3.5 in., (89 mm) depth
Rear connections: Screw terminals
Power: 100 to 240 Vac, 50/60 Hz (switching)
Display: 4 digit, green LED, 0.5 in. high
Sample rate: 500 mS

Operating temperature: 32°F to 122°F (0°C to 50°C)
Accuracy: ±0.2% of span
CMRR: 120 dB @ 50/60 Hz
Noise rejection: Per IEC801 - 4 level 3
Weight: 2 lbs.

Input

Thermocouple: Types J, K, L, N, R, S, T
RTD: Type PT100 (DIN 43760)
Scaling: °F/°C programmable
Linear: 0 to 60 mVdc, 0 to 5 Vdc, 0 to 10 Vdc, 0 to 20 mA, 4 to 20 mA

Linear scaling: -1,999 to +4,000
Input filter: First order digital, with 1, 2, 3, 4, 5 second time constants
Sensor break: Up scale standard

Analog Output

Type: 0 to 10 Vdc, 0/4 to 20 mA galvanically isolated
Accuracy: ±0.1% full scale

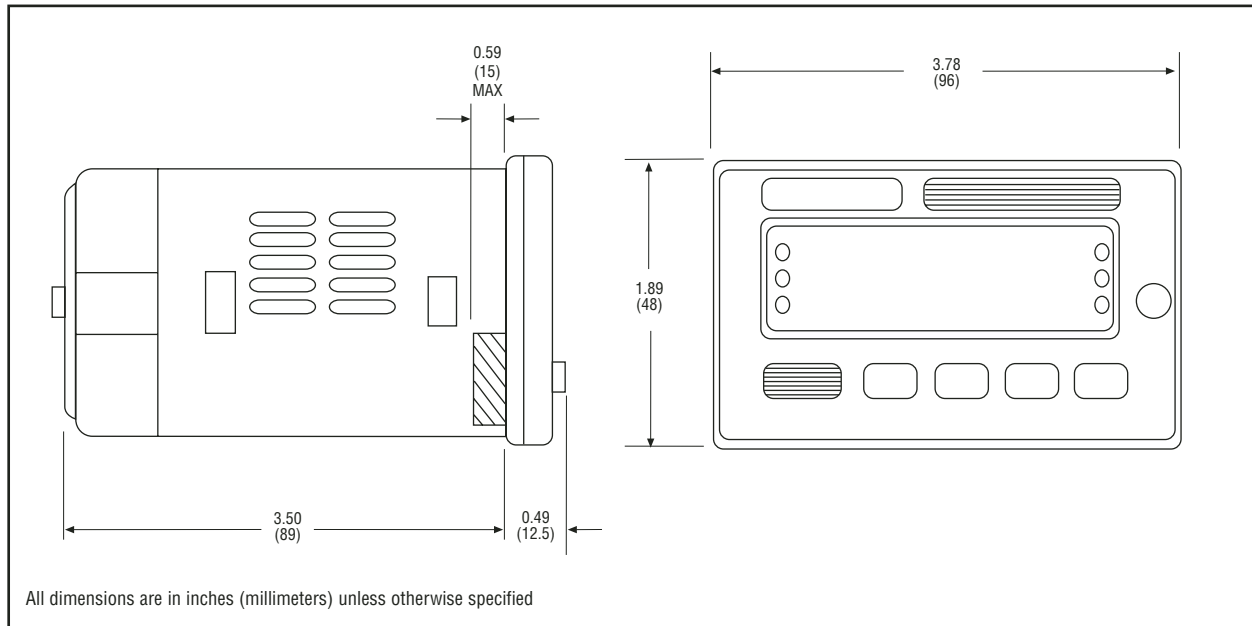**Scaling:** Between -1,999 to +4,000 for zero and full scale

Alarms

Number: Two
Type: SPDT

Relay rating: 3 A @ 250 Vac, resistive
Modes: High/low; manual/auto reset; low alarm mask

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0.59
(15)
MAX

3.78
(96)

1.89
(48)

3.50
(89)

0.49
(12.5)

All dimensions are in inches (millimeters) unless otherwise specified

Ordering Guide

Model	Options		Power	
	Code	Description	Code	Voltage
1401	5	Thermocouple/RTD and linear input with dual alarm and analog output	3	100 - 240 Vac (switching)

Ordering Example: 1401 - 5 - 3

Delivery
Express delivery