



# 1391 Indicator Series



### Features

- Current loop and voltage inputs
- Internal 24 Vdc supply
- DynaLink software configurable
- Current loop break protection
- Analog Retransmission and MODBus options
- Peak and valley detection
- Convenient 1/8 DIN size

### Benefits

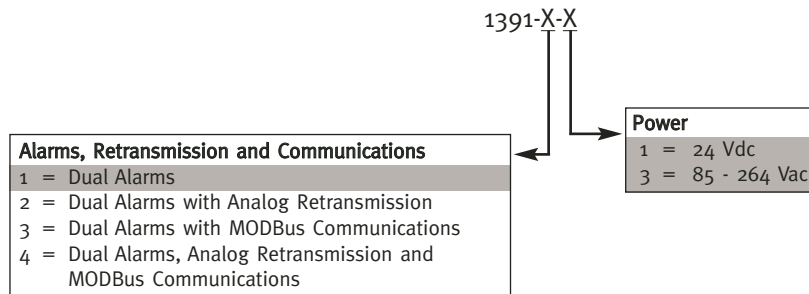
- Use almost any process input
- Power 2 and 4 wire transmitters
- Store and download saved configurations
- Process protected
- Send and receive information from PLC's, PC's, etc.
- Recall extremes of the process
- Save panel space



### Description

Dynisco's 1391 process indicator offers a field selectable display and dual configurable alarms to meet your changing process requirements. This versatile indicator has a built in power supply design to power any voltage or current transmitter. The operator can store all operating parameters, including instrument span, alarm settings and transducer calibration, by utilizing the four front panel pushbuttons. The indicator comes optionally equipped with MODBus communications and has a cable hook up that allows use of DynaLink, the 1391 indicator configuration software.

### Ordering Guide





## Specifications

### PERFORMANCE CHARACTERISTICS

**Instrument type:** Microprocessor based indicating panel meter  
**Display:** 5 LED digits 0.5" (13.2 mm) high; 2 red LEDs for alarm indication; 1 green LEDs for remote configuration  
**Termination:** Screw terminals on rear with safety covers  
**Dimensions:** 1/8 DIN, 1.89" H x 3.78" W x 4.13" D (48 mm H x 96 mm W x 105 mm D)  
**Front Panel:** IP65/NEMA4 rated with gasket  
**Accuracy:** +/-0.1% of full scale with shunt cal  
**Normal Mode Rejection Ratio:** 60 dB at 50/60 Hz  
**Sampling Time:** 100 mS  
**Operating Temperatures:** 32°F to 130°F (0°C to 55°C)

### ELECTRICAL CHARACTERISTICS

**Input Signal Selection:** Push-button selectable for 0 - 20 mA, 4 - 20 mA, 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc, 0 - 11 Vdc  
**Resolution:** 1 digit with range to 10,000; 10 digit with range to 99,990  
**Display:** Keyboard configurable from 10 to 99,900 with decimal point in any position  
**Auxiliary Power Supply:** 24 Vdc  
**Input Power:** 85 - 264 Vac (24 Vdc available)  
**Zero Balance:** +/-25% full scale

**Open Input Protection:** Displays OPen if any of the four or six sensor wires are open

### ALARMS

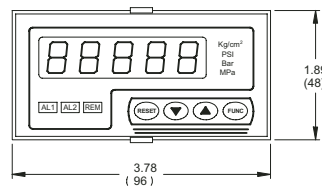
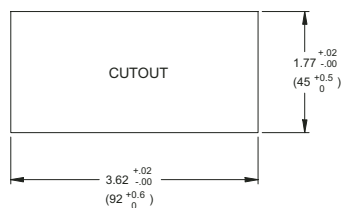
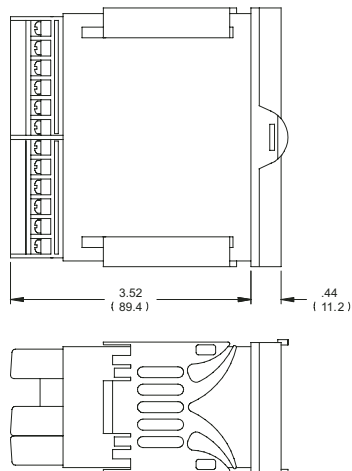
**Alarm Type:** High/low setpoints; Direct /reverse acting; Automatic or manual reset; Masking available  
**Alarm Output:** Two SPST, NO or NC  
**Contact Rating:** 0.6A @ 110 Vdc, 0.5A @ 220 Vdc, 0.3A @ 110 Vdc

### ANALOG RETRANSMISSION OUTPUTS

**Output:** 0 - 20 mA, 4 - 20 mA - max 500 ohms  
 0 - 5 Vdc, 0 - 10 Vdc - min 5000 ohms  
**Scaling:** Output is scalable from 0 - 99,990  
**Output Resolution:** +/-0.05% of output span maximum  
**Accuracy:** +/-0.2% of span

### SERIAL COMMUNICATION INTERFACE

**Type:** Isolated RS-485  
**Protocol:** Polling/selecting, MODBus/Bus selectable  
**Baud Rate:** 150 to 19200 baud  
**Format:** 8 bits + parity; 8 bits without parity  
**Parity:** Odd/even



All dimensions are in inches (millimeters).

Dynisco LLC  
 38 Forge Parkway  
 Franklin, MA 02038 (USA)

Phone +1 508 541 9400  
 Fax +1 508 541 9436  
 Email infoinst@dynisco.com

Hotline 1-800-Dynisco

www.dynisco.com