



Manufacturers of Process  
Controls and Instrumentation

# Model: UA-XD-IND

## Indicating Dual Alarm Trip



### Standard Features:

- User Configurable for Single or Dual Input Operation
- Scalable 4-Digit LED Display
- Industry Standard Inputs: 4-20 mA, 1-5 VDC, and more (see back)
- Various Input Options Available (V, I, T/C, RTD )
- 2 Form 'C' Relay Contact Outputs
- Each Relay Contact has Individual Setpoint and Deadband Adjustment.
- Easy Field Calibration
- Microprocessor Controlled for High Accuracy
- Two Wire Supply Option for Two Wire Transmitters
- Power: 117 VAC 50/60 Hz (Optional 24 VDC)
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

### Function:

The UA-XD-IND is a microprocessor controlled single or dual trip with 4-Digit LED display. It is easily field configurable to operate in a large number of different modes. Each relay contact output is individually configurable to the following modes of operation: High/Low Trip , Normally Energized / De-energized. Additionally, both relays can be made to operate from the same input to give two levels of alarm for a single input.

A delay feature allows a 0-5 min. adjustable ON delay to be added to the trip function in order to screen out intermittent and erroneous alarms. If the delay function is activated, the input must be greater than the setpoint for the time specified by the delay before the relay will activate. There is also a combined ON and OFF delay function which, in addition to delaying the relay 'turn-on' time, delays the relay 'turn-off' time.

The 4-digit LED display is scalable to engineering units from 0-9990.

### Calibration:

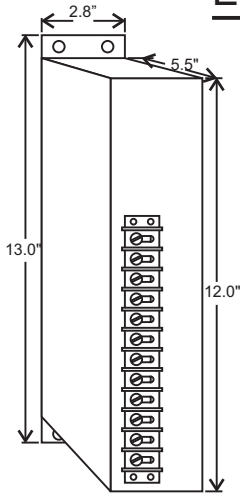
Each relay contact has two potentiometers that are used to adjust the setpoint and deadband settings. The setpoint and deadband can be set anywhere from 0-100% of the input range. The delay is adjustable from 0-5 min. A rotary switch allows setpoint, deadband, delay and full scale values to be shown on the display during adjustments.

### Specifications:

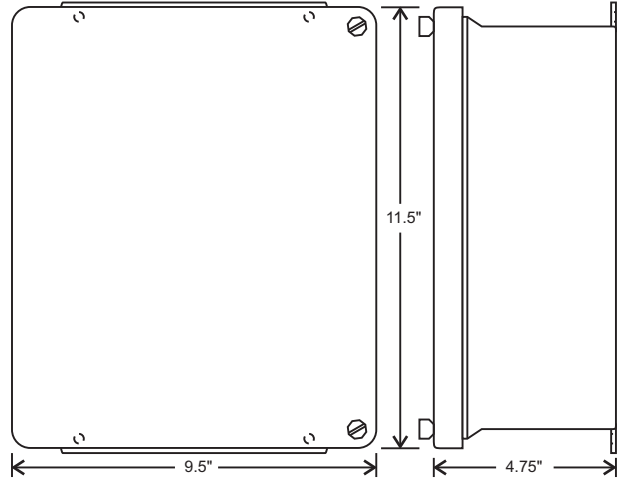
- Accuracy/Linearity: +/- 0.3% max., +/- 0.1% typ.
- Operating Temperature: -40 Deg.C. to +50 Deg.C.
- Temperature Effects: +/-0.5% max., +/-0.2% typ. (for 40 Deg.C. change)
- Contact Rating: 10A 1/8Hp @ 125VAC  
6A 1/8Hp @ 277VAC

# UA-XD-IND

## Enclosures & Dimensions:

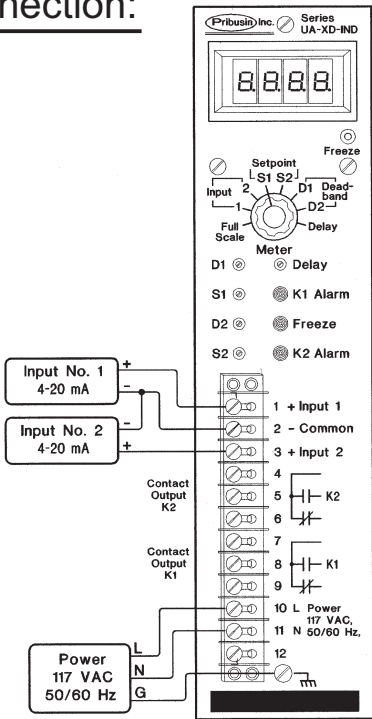


Standard Metal Enclosure



NEMA 4X Option

## Connection:



## Model Designation:

UA-XD-IND

Input

- 1: 1-5 mA ( $Z_{in}=1K \text{ Ohm}$ )
- 2: 4-20 mA ( $Z_{in}=250 \text{ Ohm}$ )
- 3: 0-1mA ( $Z_{in}=5K \text{ Ohm}$ )
- 4: 10-50 mA ( $Z_{in}=100 \text{ Ohm}$ )
- 5: 1-5 VDC ( $Z_{in}=1\text{Meg Ohm}$ )
- 6: 0-10 VDC ( $Z_{in}=1\text{Meg Ohm}$ )
- 7: Special Input

Other Models

- TXX: Thermocouple (see UA-XD-TXX)
- TXX-DIF: Differential T/C (see UA-XD-TXX-DIFF)
- RTX: RTD Input (see UA-XD-RTX)

Example: Dual Indicating Alarm Trip with 4-20 mA Input in standard metal enclosure and 24VDC Power is designated by: UA-2D-IND-A

If no options specified, unit is 117 VAC Power in metal enclosure

## Options: (Add letters to end of Model Number)

- A - 24 VDC Prime Power
- B - 240 VAC Prime Power
- T - 200 mA Two Wire Supply (24 VDC unreg.)
- N - NEMA 4X enclosure (see above)

Manufactured By:



www.pribusin.com  
info@pribusin.com

### USA:

Pribusin Inc.  
743 Marquette Ave  
Muskegon, MI 49442  
Ph: (231) 788-2900  
Fx: (231) 788-2929



### CANADA:

Pribusin Inc.  
101 Freshway Dr. Unit 57  
Concord, Ontario, L4K 1R9  
Ph: (905) 660-5336  
Fx: (905) 660-4068