

## Model 12L Conductivity Switch

### FEATURES

- Used for point level alarm/control of conductive liquids & foams
- Optional high/low sensitivity mode
- Calibration free
- An optional differential feature
- Two probe inputs for high/low cycle control
- Relay time delay prevents chattering in turbulent applications
- Field-selectable low or high level fail-safe operating modes
- PUSH-TO-TEST option confirms operation locally/remotely
- Weatherproof and explosion proof enclosure
- Integral and remote mounting capability upto 1000 feet.



### Specifications

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Measurement.....	AC resistance
Sensitivity.....	1.0 megohm (high sensitivity mode) 100,000 ohms (low sensitivity mode)
Level Element Voltage.....	10 VAC
Temperature Range.....	-40 to 160°F (-40 TO 71°C)
Power Requirements.....	115 or 230 VAC, 50/60 Hz

### Relay Function:

Outputs...(one relay).....	DPDT, two Form C contacts, 5A resistive @ 115/230 VAC and 30 VDC
Time Delay.....	0 to 20 seconds, field-selectable to delay on pull-in, drop-out or both ways
Fail-safe.....	High or low level, field-selectable
Enclosure.....	Cast aluminum - NEMA 4, 7 and 9 (weatherproof, hosedown, dust and vapor explosionproof)

## Ordering Information

<b>MODEL NUMBER</b>	
12L	Conductivity switch in explosion proof case.
<b>RELAY</b>	
1	One Relay
2	Two Relays
<b>LINE VOLTAGE</b>	
V1	115 VAC, 50/60 Hz
V2	230 VAC, 50/60 Hz

12L Product Number

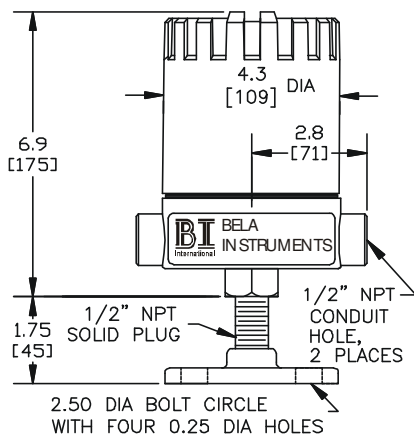
Choose one from each category.

### Remote Mount Accessories (order separately):

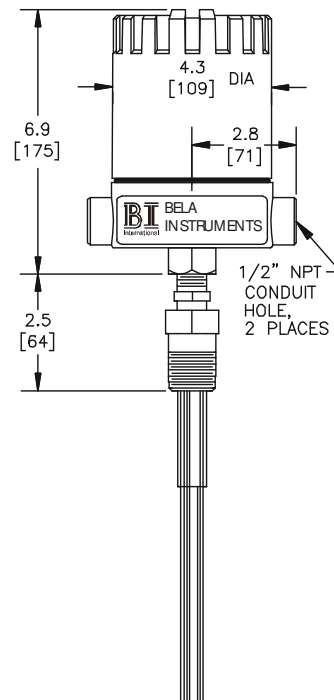
- 1000-3071 Threaded Adapter
  - 1000-3072 Explosionproof J-Box (w/jack and terminals)
  - 99X1W0980 interconnect Cable<sup>▲</sup>  
(Twisted pair with shield for wire run between level sensing element and Model 12L)
- <sup>▲</sup> Cable has stripped and tinned wires at each end. Specify length up to 1000 feet.

## Dimensions & Mounting

Inches [mm]



Remote Mounting With Threaded Adapter



Integral Mounting Onto Level Probe