

Model 14L RF Electronic Level Switch

FEATURES

- Used for single point level alarm/control.
- Used for conductive & non-conductive materials.
- Unaffected by conductive coating buildup when used with driven shield level elements.
- Differential adjustment for high/low cycle control.
- Relay time delay prevents chattering in turbulent applications.
- Field-selectable low or high fail-safe operating modes.
- PUSH-TO-TEST option confirms operation locally/remotely.
- Integral and remote mounting capability upto 25 feet.
- Weatherproof and explosion proof enclosure.



Specifications

Measurement.....RF impedance
 Sensitivity.....0.2 pF or better
 Temperature Range.....-40 to 160°F (-40 to 71°C)
 Drift.....0.003 pF per °F
 Adjustment Range.....0 to 250 pF, zero & optional differential
 Protection.....RFI, EMI and static charge
 Power Requirements.....115 or 230 VAC, 50/60 Hz;
 12 or 24 VDC, 6 watts max.

Relay Function:

Output (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
 Hazardous Area Certification(optional):
 Designed Explosionproof...FM: Classes Land II, Div.1, all groups
 CSA: Classes I and II, Div.1, all groups except A
 Enclosure : Standard.....Cast aluminum – NEMA 4, 7 and 9 (weatherproof,
 hosedown, dust and vapor explosionproof)

Ordering Information

MODEL NUMBER	
14L RF electronic point level detection switch.	
↓	LINE VOLTAGE
	V1 115 VAC, 50/60 Hz
	V2 230 VAC, 50/60 Hz
	V3 12 VDC
V4....24 VDC	
↓	OPTIONS
	P0 Single setpoint P1 Differential
↓	
14L	Product Number
Choose one from each category.	

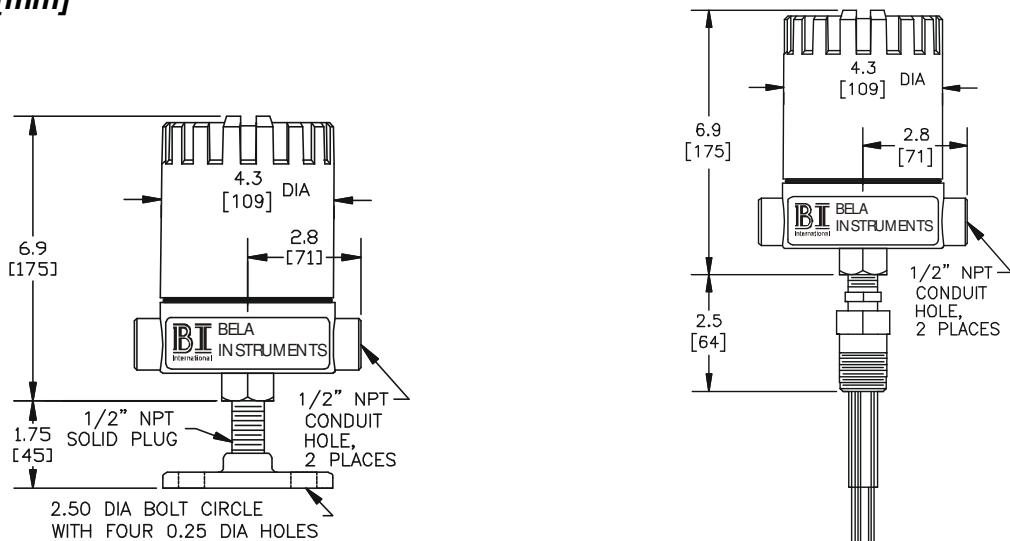
Remote Mount Accessories (order separately):

- 1000-3071 Threaded Adapter
- 1000-3072 Explosionproof J-Box (w/jack and terminal)
- 1000-3073 Triaxial Interconnect Cable ^ (For up to 160°F)

^ Cable is appropriately terminated at each end. Specify length up to 25 feet.

Dimensions & Mounting

Inches [mm]



Remote Mounting With Threaded Adapter

Integral Mounting Onto Level Probe