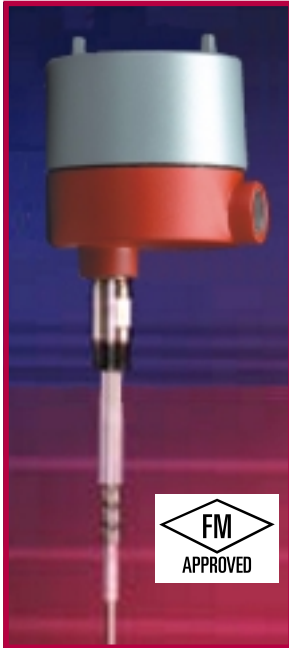


*Instrumentation designed
with the user in mind.*



Self-Monitoring NULL-KOTE™ RF Impedance High-Perform-X™ Point Level Controllers

**LEVEL-SENTRY'S outstanding combination of
performance and features makes it ideal for any area
where an extra measure of protection is important**

Performance

High Sensitivity –

Extremely sensitive plus very high turn-down: 0.15 pf to 1000 pf.

Excellent Temperature Stability –

Less than 0.1pF thermal drift per 20°F (less than 1.0 pF/200°F of ambient temperature change).

Wide Temperature Range –

Standard process temperature: -300 to 500°F (-184 to 260°C).

Designed to Survive –

RF immune, vibration-proof, all circuit boards are conformal coated (tropicalized) for extra protection - at no extra cost.

ROLLOCK™ PROBES –

No part of the probe can fall into the process or be blown from the mounting. No re-tightening of seals required.

Features

Universal – Wide Range of Point Level Applications – detects the level of powders, granules, both conductive or non-conductive liquids ... even the sticky ones.

NULL-KOTE™ Circuitry – Makes the sensor immune to adverse effects from conductive coating build-up.

Heavy Duty Relay –
10A 115 Vac resistive contacts

High or Low Fail-Safe –
Field selectable.

Easy-On Probe Connection –
Automatically provides simple, fast installation and reliable operation without wires, connectors, or terminal strips. Simply screw probe into the housing.

Time-Delay Included –
0-30 second delay - no extra cost

Ten-Year Warranty – The only level instruments available with this unique assurance of quality.

Unique Status Indicator –
Indicates both presence or absence of material and power "on" with two color LED.

Factory Mutual Approval –
Class I, II, III, Div.1, Groups C, D, E, F, & G/NEMA 4X

Description

The **Level Sentry** Model L3522 Level Controller is a microprocessor based RF Impedance level switch. It incorporates "level sentry" a unique feature that automatically, once every minute, performs a self-test for a potential circuit failure.

In many installations, a point level controller could go for an extended period of time without ever being required to detect an alarm condition. "Level Sentry" ensures the user that when the unit is called upon, it will detect the alarm condition.

The **Level Sentry** can detect the presence or absence of virtually any process material, from low dielectric constant electrical insulators, to highly conductive, material properties can range from dry powders to liquid materials of virtually any consistency - even thick, viscous materials that severely coat the sensor.

With Factory Mutual Approval, 0-30 second time delay, sensitivity adjustments, selectable failsafe, probe status indicator, along with an economical price, the **Level Sentry** is a genuine value.

Additional features include: conformal coating, NULL-KOTE™, explosion-proof/weatherproof enclosures, ROLLOCK™ sealed sensor and our unique 10 Year Warranty which means you receive the ultimate in reliability, for a true set and forget installation.

The only

**10 Year
Warranty**

The longest in the industry!

L3522 Specifications

Type

Point (on/off) level control, radio frequency (RF), impedance sensing, NULL-KOTE™ circuitry.

Sensitivity

0.15pF to 1000 pF capacitance.

Operating Temperature

-40 to 150°F (-40 to 66°C).

Temperature Stability

Less than .1 pF/20 F.

Delay Time/Mode

0 to 30 second/delay on and off.

Fail-Safe Mode

Fail-Safe low level or high level.
Field changeable.

Dead Band

10:1 adjustable range to 1000 pF maximum.

Power Requirements

Standard Models:
95/135 Vac, 50-60 Hz, 1.3 watts
12/34 Vdc, <1 watt

Optional Model:
230 Vac

Self-Test Function

Automatic Self Test (2 second self test every 60 seconds-continuously). All functional electronic circuitry is tested. A malfunction is reported in the form of an alarmed control relay and a red Test/Fail LED.

Relay Contacts

Two sets of form C contacts, rated at 10 amperes, 115 Vac or 26 Vdc, resistive load.

Electronics Housing

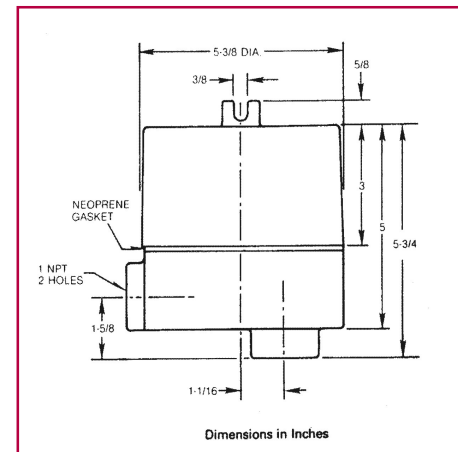
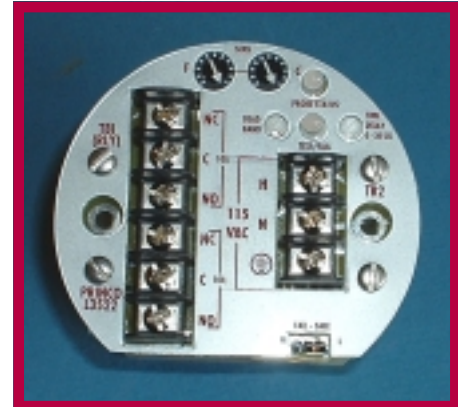
Explosion-proof : NEMA 4X
Class I, II, III, Div. 1,
Groups C, D, E, F, & G

Agency Approval

Factory Mutual Research
Corporation System Approved
when used with appropriate
PRINCO probes shown below.

NOTE:

Explosion-proof cases must be installed to satisfy National Electrical Code, Section 501, and applicable local codes.



NULL-KOTE™ Point Level Probes

Model L853, L854, L855, L857, L861, L862, and L863 probes are Factory Mutual Approved Explosion-proof Class I, II, & III, Division 1, Groups A, B, C, D, E, F, & G for use with all L3500 series controllers.

These probes are three element devices, which employ a bare sensor rod, guard section, and NPT mounting hub. All wetted parts are type 316 stainless steel or Teflon®.

L800 Series point level probes use PRINCO's unique ROLLOCK™ construction. Featuring rolled seals and welded assembly, the ingenious ROLLOCK™ design locks all elements of the probe in position and insures that no part of the probe can fall into the process or be blown from the mounting.

See PRINCO's Point Level Probe Bulletin for complete information.

10-YEAR WARRANTY

All PRINCO level control instruments are backed by a 10-year warranty. PRINCO will repair or replace, at our option, any instrument that fails under normal use for up to 10 years after purchase.

PRINCO

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