

*Instrumentation designed
with the user in mind.*

NULL-KOTE™-RF Impedance Remote Point Level Controller

Features

Remote Sensor Mounting -

Eliminates the need to work in high places, or inclement weather. Control unit can be up to 3000 feet from sensor and uses ordinary twisted pair cable.

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.

High Sensitivity and Stability – For critical low response applications.

Designed to Survive –

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

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

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

Unique Status Indicator –

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

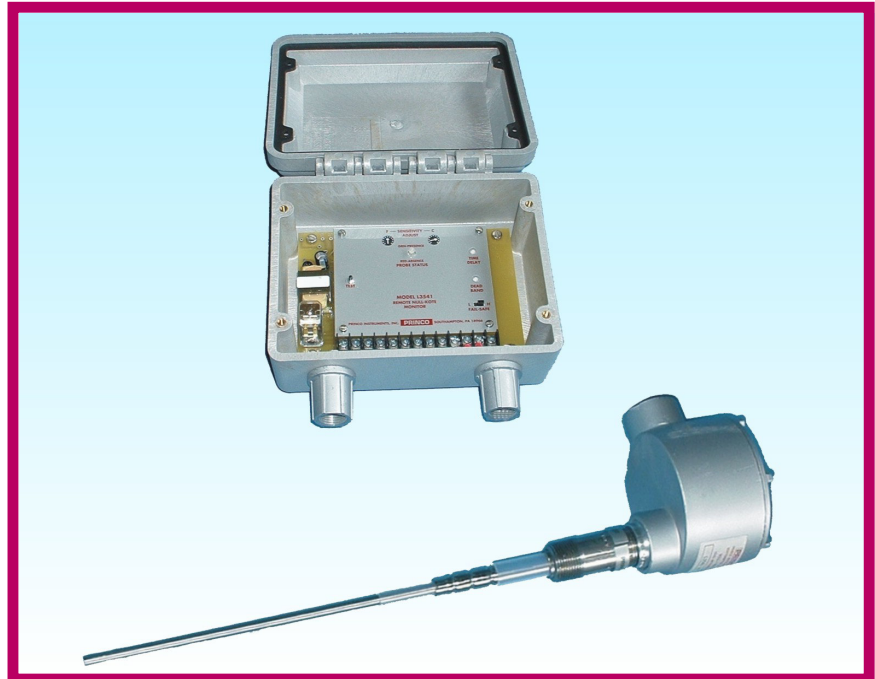
Heavy Duty Relay – 10A, 115 VAC resistive contacts.

Time-Delay Included –

0-30 second delay - no extra cost

High or Low Fail-Safe -

Field selectable.



Wide Temperature Range –

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

Explosion-proof Probe Housing

Class I, II, III, Div.1, Groups C, D, E, F, & G/NEMA 4.

Weather-proof Electronics Housing (control unit) – NEMA 4X.

Description

PRINCO's L3541 remote level controller gives you the optimum combination of features, reliability, convenience, sensitivity, and cost.

Conformal coated, NULL-KOTE, explosion-proof/weatherproof enclosures, ROLLOCK probes and our unique 10 Year Warranty means the ultimate in reliability.

Excellent sensitivity plus 1 picofarad stability, means a true *set and forget* installation.

The only

**10 Year
Warranty**

The longest in the industry!

With a remote mounted sensor, 10 amp relay contacts, 0-30 second time delay, coarse and fine sensitivity adjustments, selectable hi-lo failsafe, and our exclusive probe status indicator, you get all the features you need at a price that makes the L3541 an outstanding value.

L3541 Specifications

Type

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

Sensitivity

0.15pF to 1000 pF capacitance.

Operating Temperature

-40 to 150°F (-40 to 66°C).

Temperature Stability

Less than 0.1 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

Electronics Housing

NEMA 4X

Probe Housing

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

Test Function

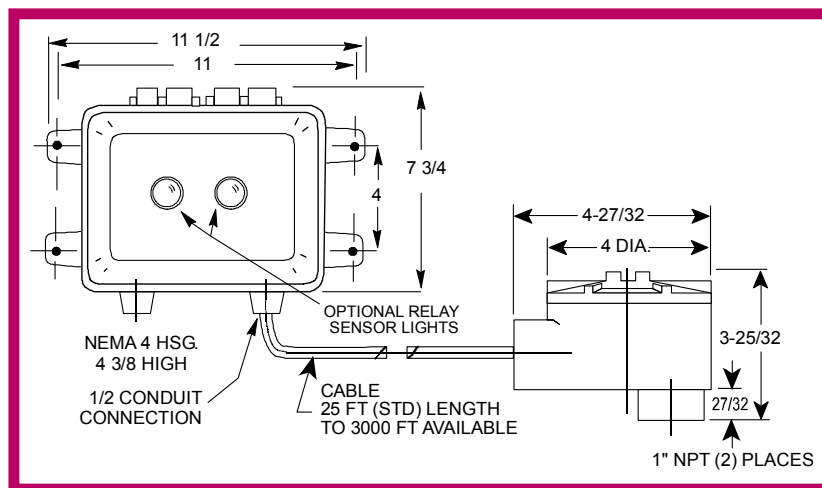
Pushbutton tests
control relay.

Relay Contacts

DPDT (2 form C) rated
at 10A, 115 VAC or 26
VDC, resistive.

Level Status Light

Optional: Red and
Green lights.



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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