

*Instrumentation designed
with the user in mind.*

NULL-KOTE™ RF Impedance Dual Function, Versa-Point™ Level Controller

Field Configurable Functions:

- Four Control Points
- Two Points and Zone Control



Features

Wide Range of Applications –

The ideal multiple-point controller. It operates in conjunction with process products which range from electrically insulating materials, such as refined oils, to conductive slurries; even sticky materials that tend to cling to the probe.

NULL-KOTE™ Circuitry –

Makes sensor immune to adverse effects of conductive coating build up.

Ten-Year Warranty –

The only level instruments available with this unique assurance of quality.

Easy-On Probe Connection –

Automatically provides simple, fast, permanent installation and reliable operation without wires, connectors, or terminal strips. Simply screw probe into the housing.

Unique (two color) Status LED –

Indicates presence or absence of material.

Wide Temperature Range –

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

Quick Calibration –

Easy, rapid set up and adjustment. Factory precalibration available.

High or Low Fail-Safe –

Field selectable. For each point and zone limits.

Explosion-Proof Housing –

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

Single Probe –

Rugged, corrosion-resistant, no moving parts. Easy installation and maintenance.

Flexibility –

Each point and zone can be adjusted for any location on the probe.

Description

PRINCO's L2720 Versa-Point™ gives you the option of either four independent set points or zone control with two additional set points.

When set up as a four-point level controller, it is an ideal multiple point level alarm for applications requiring high alarm, high-high alarm, low alarm, and low-low alarm, all operating from a single probe.

As a zone control with two additional level points, it is ideal for lift stations, batching operations, and industrial sumps.

Both set points, which define the zone as well as the two level points, are independently adjustable.

Mode of operation for zone control may be selected for either pump-up or pump-down. Likewise, the level points, whether high or low, may always be operated fail-safe.

The zone may occupy virtually any portion of the overall range, from 1 to 100 percent. Location of the level points may also be anywhere in the overall range, outside or inside the zone.

All set points and zone limits may be independently set for either high or low fail-safe.

The only

**10 Year
Warranty**

The longest in the industry!

L2720 Specifications

Type

NULL-KOTE™ (coating immune)
RF Impedance sensing,
multiple-point level controller.

Zone Adjustment Range

1 to 100 % of probe length.

Level Range (Probe length)

2 inches to 300 hundred feet

Capacitance Range

20pf to 20,000pf.

Ambient Temperature Range

-40 to 150°F (-40 to 66°C)

Operating Temperature (Probe)

Teflon: -300 to 500°F (-184 to 260°C).
Kynar: -40 to 300°F (-40 to 149°C).

Relay Contacts

SPDT rated 5 A, 115 Vac, resistive

Operating Modes

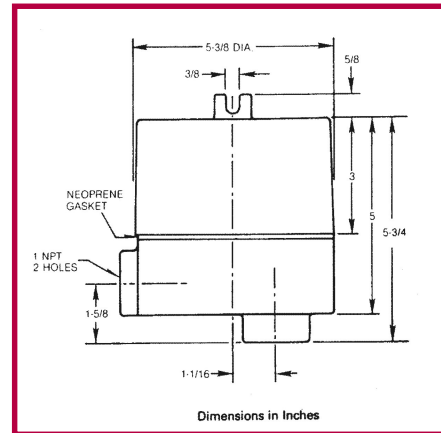
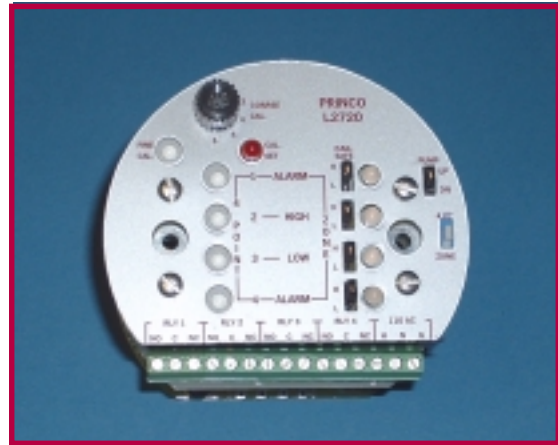
High or low fail-safe for each point or zone.

Power Requirements

95 to 135 Vac,
50/60 Hz, 5 watts
Optional
24 Vdc or 230 Vac

NOTE:

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



Probes

Probes used with the L2720 are the L100 Series. A variety of types and construction materials are available: flexible or rigid, heavy or light duty Teflon™ or Kynar™ sheathing, NPT hub or flanged mounted, single or dual element construction.

All probes are manufactured to the exact length required.

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.

MODEL NO.	ELEMENT CONFIGURATION	TYPE	VESSEL CONNECTION	INSULATION OPTIONS
L101	Single	Rigid	1" NPT	B, KP, KS, TP, TS
L104	Single	Rigid	1", 2", 3" OR 4" TRI-CLAMP™	B, KP, KS, TP, TS
L102	Dual Concentric	Rigid	1½" NPT	B, KP, KS, TP, TS
L107	Dual Concentric	Rigid	1" NPT	B, KS, TP, TS
L109	Single	Flexible	1" NPT	KW, TW
L113	Dual Parallel	Flexible	1" NPT	KW, TW
L115	Dual Parallel	Flexible	3" Flange	KW, TW
L116	Dual Parallel	Flexible	3" Flange	KW, TW
L127	Dual Parallel	Rigid	3" Flange	B, KP, KS, TP, TS
L128	Dual Parallel	Rigid	3" Flange	KP, KS, TP, TS

KP = Kynar® Pipe (60 mil Kynar over carbon steel)
KS = Kynar Sheath (17 mil Kynar over 316 SS rod)
KW = Kynar Wire (20 mil Kynar over 316 SS wire rope)

B = Bare (No insulation)
TP = Teflon® Pipe (60 mil PFA Teflon over 316 SS rod)
TS = Teflon Sheath (17 mil Teflon over 316 SS rod)
TW = Teflon Wire (12 mil Teflon over copper wire)

PRINCO

1020 Industrial Highway
Southampton, PA 18966-4095, U.S.A.
(800) 221-9237 ~ (215) 355-1500
FAX (215) 355-7766
WWW.PRINCOINSTRUMENTS.COM

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