



LPS: Linear Position Sensor

The Luminator LPS is specifically designed to provide position feedback on linear control valves and knifegate valves. Onboard Green or Red LEDs increase safety and awareness for plant operators.

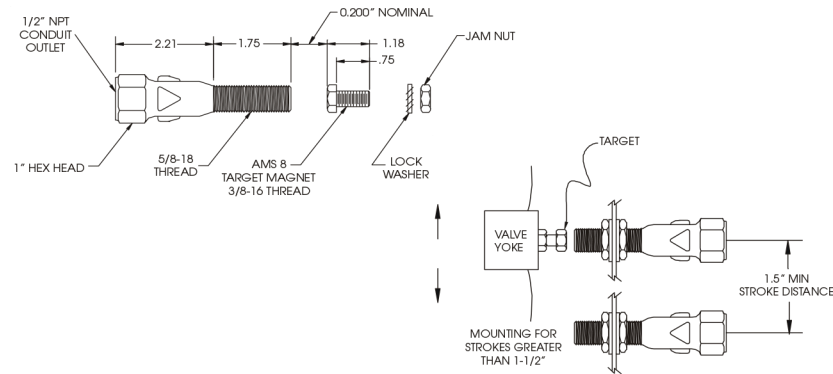
- Features:
- 316 stainless steel enclosure
 - Green or Red BriteLite LEDs
 - Hermetically sealed sensors
 - Snap-action contacts

FAST TRACK DELIVERY

LPS-DZ2RA2
Class I, Div 2 with Red BriteLite™

LPS-DZ2GA2
Class I, Div 2 with Green BriteLite™

Dimensions



Model

Enclosure: 3.96" x 1", 316 series stainless steel

Magnetic Target: 1.05" x 0.65", 316 series stainless steel

Conduit Outlet: 1/2" NPT

Operating Temperature: -40° to 160°F (-40° to 71°C)

Environment

Zone 1 (Class I, Div 1): NEMA Type 4, 4X, 7 and 9
Zone 2 (Class I, Div 2): NEMA Type 4, 4X

LPS Luminator Linear Position Sensor

Sensor

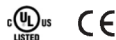
D (1) Hermetically sealed SPDT; Form C

Without BriteLite: 1A/120VAC; 0.5A/24VDC
With BriteLite: 0.25A/120VAC; 0.25A/24VDC

W (1) Hermetically sealed SPST; Form A

Without BriteLite: 3A/120VAC; 2A/24VDC
With BriteLite: 0.25A/120VAC; 0.25/24VDC

Area Classification



Z1 Explosion Proof
Zone 1
Class I, Div 1 & 2, Groups A,B,C,D
Class II, Div 1 & 2, Groups E,F,G
Class III
(Visual Display option must be N)

Z2 Non-Incendive
Zone 2
Class I, Div 2, Groups A,B,C,D
Class II, Div 1 & 2, Groups E,F,G
Class III

May be installed Intrinsically Safe per NEC Article 504.

Need Accessories?

See pp. 93-104 for:

- Range Extending Target Magnets
- Mounting Brackets
- Connectors and more!

Visual Display

BriteLite: Triaxial LEDs

BriteLite Colors: Green or Red

G Green BriteLite 360° triaxial LED visual position indicator (Z0 & Z2 only)

R Red BriteLite 360° triaxial LED visual position indicator (Z0 & Z2 only)

N No visual indication

Wiring

A2 3 ft. 18 gauge potted-in lead wires

A3 6 ft. gauge potted-in lead wires

A4 12 ft. 18 gauge potted-in lead wires

DCA 3-pin mini change quick disconnect (Z2 only unless installed I.S. per NEC Article 504)

DCD 4-pin mini change quick disconnect (Z2 only unless installed I.S. per NEC Article 504)

Ordering Guide

Fill in the boxes to create your 'ordering number.'

Model

Sensor

Area Classification

Visual Display

Wiring