

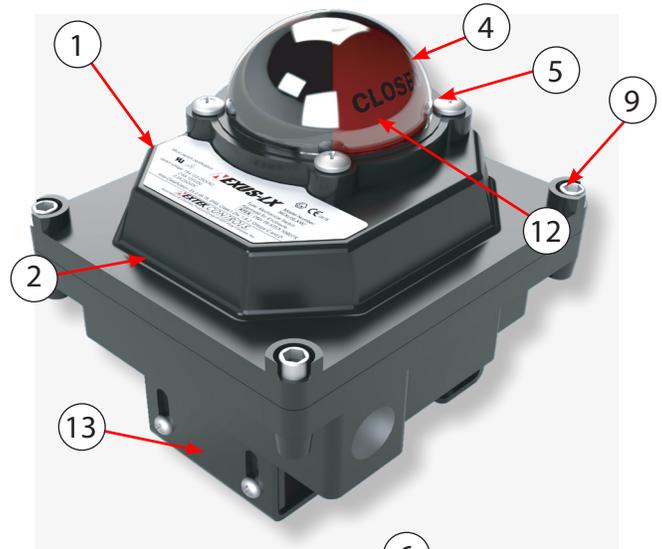
NEXUS-LX™ ATEX Limit Switch Box

The SVF model *NEXUS-LX* is a reliable and compact feedback device fitted with two mechanical SPDT switches rated for 15A service. The *NEXUS-LX* is part of our family of control products for use in hazardous area environments. The ATEX rating assures performance in demanding areas of all process facilities.

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NEXUS-LX DESIGN FEATURES

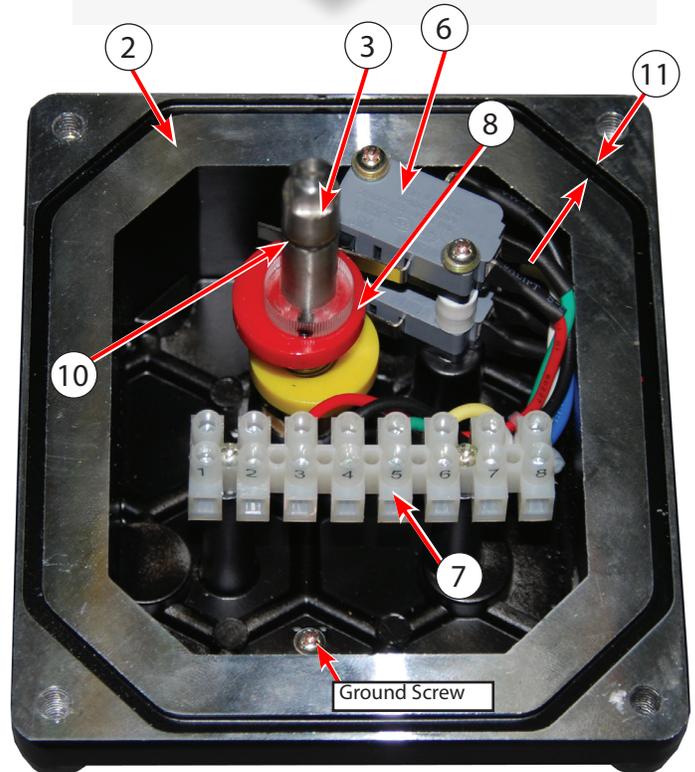
- ✓ Approved for Enclosure: NEMA 7 DNV 09 ATEX 53807X
- ✓ Area Classification: Ex d IIB T6, IP66, Class I, Div. 1 Groups C & D, Class II, Div 1 Groups E, F, D & Div. 2 Groups F & G
- ✓ Aluminum enclosure with polyester powder coating has a temperature rating of -4 °F to 176 °F.
- ✓ Suitable for use on rotary applications for double acting or spring return actuators
- ✓ NAMUR and ISO 5211 adjustable bracket mounting
- ✓ Dual 3/4" NPT conduit entries facilitate wiring in the field and for additional ancillary pilot valve connections
- ✓ Captive cover bolts remain intact during wiring to prevent loss
- ✓ Stainless Steel fasteners



MATERIALS OF CONSTRUCTION

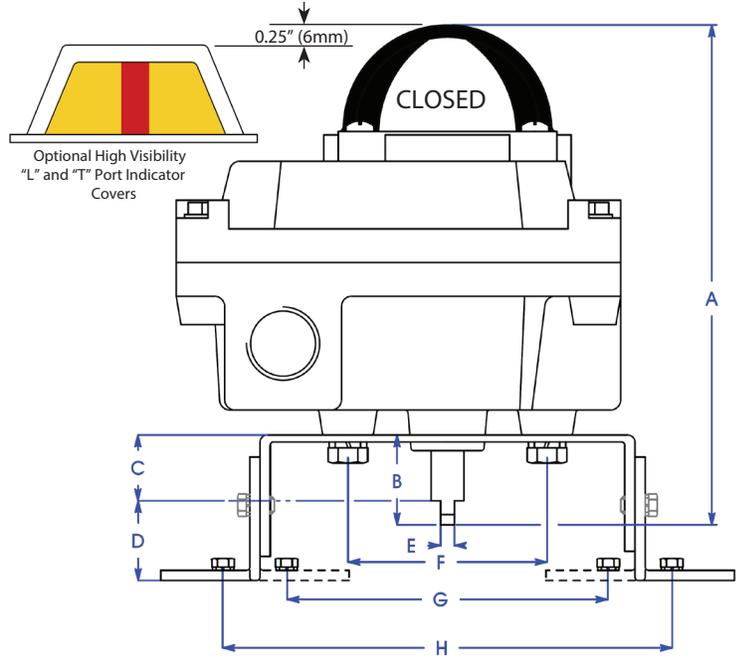
Item #	Description	Material Specifications (Additional options available)
1	Box Cover	Die Cast Aluminum*
2	Box Housing	Die Cast Aluminum*
3	Shaft	Stainless Steel
4	Indicator Cover	Polycarbonate
5	Indicator Cap Fasteners	Stainless Steel
6	Sensors	Mechanical Switches, Proximity Sensors, Magnet Sensors
7	Terminal Strip	Polycarbonate
8	Cams	Polycarbonate
9	Cover Bolts	Stainless Steel
10	Shaft O-Ring	Buna "N"
11	Housing O-Ring	Buna "N"
12	Indicator O-Ring	Buna "N"
13	Mounting Bracket	Carbon Steel*

*Items 1, 2, 13 with Polyester Podwer Coating

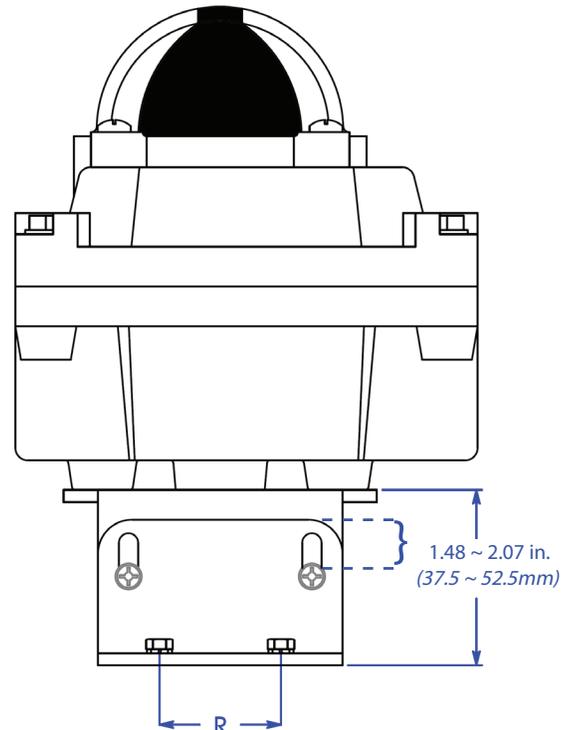
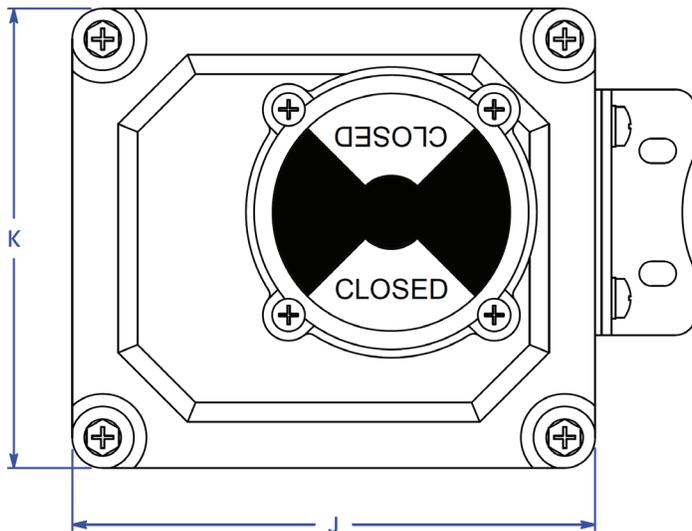


NEXUSLX™ DIMENSIONS AND WEIGHT

Item	Dimension	
	in.	mm
A	5.67	144
B	1.06	27
C	0.79	20
D	0.79	20
E	0.16	4
F	0.79	20
G	3.15	80
H	5.12	130
J	5.02	128
K	4.41	112
R	1.18	30
Weight	2.5 lbs.	1.13 kg



The overall height of the NEXUS-LX including the mounting bracket is:
6.17" when installing on *aero2* models A2DS-10 ~ A2DS-500 (Quad4 Models Q15 ~ Q45)
6.57" when installing on *aero2* models A2DS-550 ~ A2DS-700 (Quad4 Models Q60 & Q75)



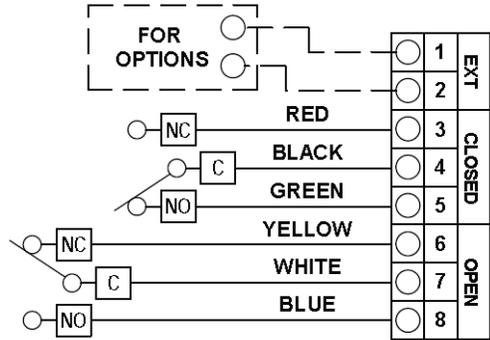
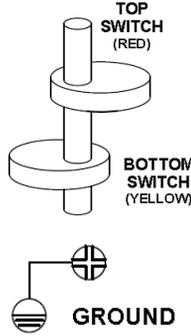
NEXUSLX™ STANDARD WIRING DIAGRAM



Wiring Diagram located inside top cover.

See next page for Wiring Diagrams for Optional Switches & Sensors

Mechanical Switches M2B= (Standard) 2 SPDT, 15A 125-250VAC, 3A/24VDC (Wiring Diagram # WDNX2M2B)



HOW TO ORDER

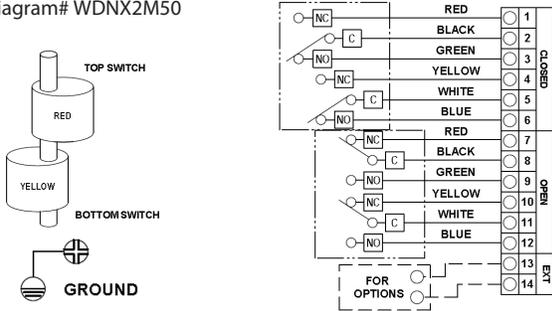
SERIES*	SWITCHES/SENSORS	POSITION INDICATOR
NEXUSLX= ATEX Limit Switch Box	<p>Mechanical Switches M2B= (Standard) 2 SPDT 15A 125-250VAC, 3A/24VDC</p> <p>M50 = (Optional) 2 DPDT 15A 125-250VAC, 3A/24VDC</p> <p><u>Magnetic Reed Switch (Optional):</u> Q30 = Magnetic Reed Switch 2 SPDT 5-240VAC/VDC, 300mA</p> <p><u>Proximity Sensors (Optional):</u> P20 = Inductive, NO 2 wire 10-30VDC, 150mA</p> <p>PP0 = (P+F) Inductive, NC 2 wire 8VDC, 1mA</p> <p>P30 = Inductive, NPN-NO 3 wire 10-30VDC, 150mA</p> <p>P3A = Inductive, NPN-NC 3 wire 10-30VDC, 150mA</p> <p>P3B = Inductive, PNP-NO 3 wire 10-30VDC, 150mA</p> <p>P3C = Inductive, PNP-NC 3 wire 10-30VDC, 150mA</p>	<p>Leave Blank for Standard 90 degree Position Indicator, Yellow Open, Red Closed</p> <p>L = High Visibility Three Way "L" Yellow Base, Red Flow Bar </p> <p>T = High Visibility Three Way "T" Yellow Base, Red Flow Bar </p>
NEXUSLX	M2B	(BLANK)

Order Example: (NEXUSLXM2B)

NEXUS-LX NAMUR-mount limit switch box with two mechanical SPDT switches in a NEMA 4/4X/7 (IP66) enclosure, 8 point terminal strip and high visual indicator for Open/Closed Positions.

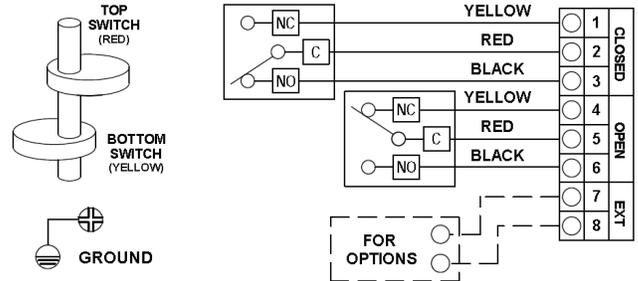
WIRING DIAGRAMS FOR SWITCHES & SENSORS

Wiring Diagram# WDNX2M50



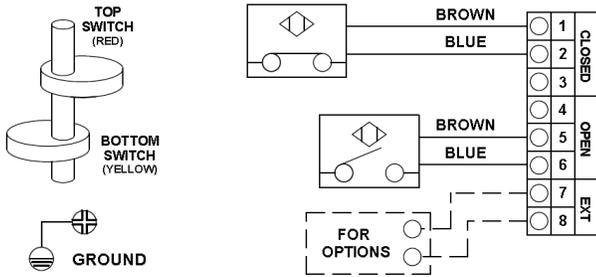
M50 = Mechanical Switches 2 DPDT

Wiring Diagram# WDNX2Q30



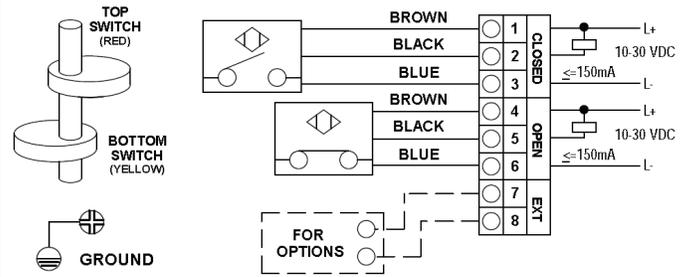
Q30 = Proximity Sensors NC (3-Wire) Magnetic Sensors

Wiring Diagram# WDNX2P20



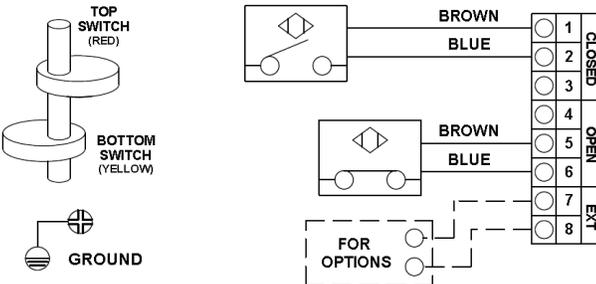
P20 = Proximity Sensors NO (2-Wire) Inductive Sensors

Wiring Diagram# WDNX2P3A



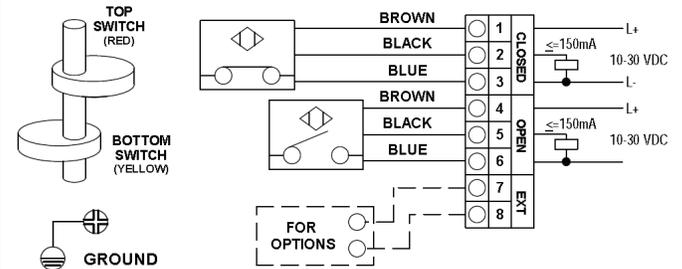
P3A = Proximity Sensors NPN NC (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2PP0



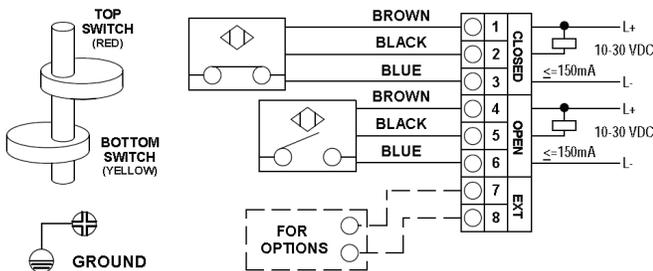
PP0 = Proximity Sensors NC (2-Wire) (P+F) Inductive Sensors

Wiring Diagram# WDNX2P3B



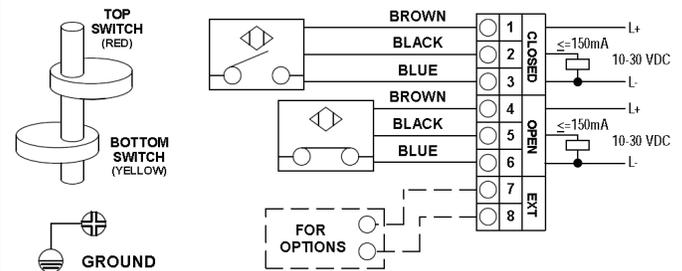
P3B = Proximity Sensors PNP NO (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2P30



P30 = Proximity Sensors NPN NO (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2P3C



P3C = Proximity Sensors PNP NC (3-Wire) Inductive Sensors