

Proximity Drivers - Bently 3300/3300XL Compatible

8 mm, FFv, 11 mm, 25 mm



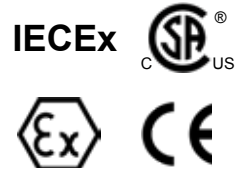
**Panel Mount Option
(Shown Above)**

Product Features

Bently Compatible Proximity Driver assemblies are compatible with equivalent length probes and extension cables from Bently Nevada 3300/3300XL series.

- *Optional 4-20mA current loop provides power to the driver, and a current output proportional to DC, AC, or Dynamic Displacement*
- *Isolated voltage output standard at terminal block (Vout and Com)*
- *Isolated voltage output at the BNC*

OPTIONAL REGULATORY APPROVALS



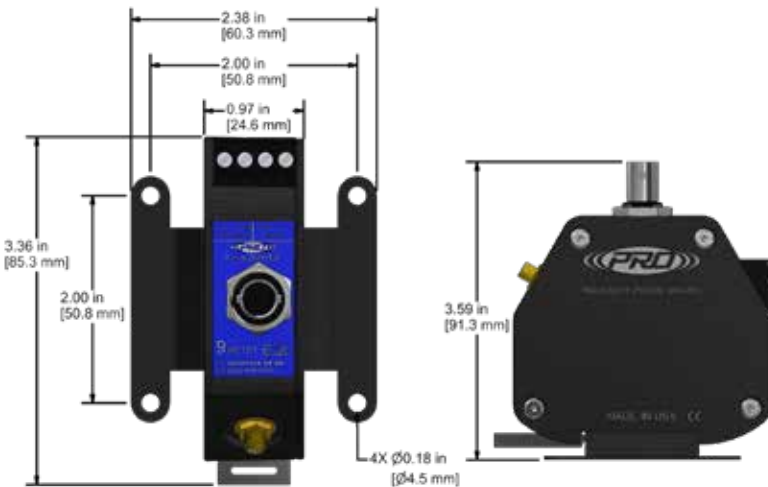
US & Canada (CSA):
Class I Division 1 Groups A, B, C, D
Class II Division 1 Groups E, F, G
Class III
Class I Zone 0 AEx ia IIC
Class I Division 2 Groups A, B, C, D
Class II Division 2 Groups E, F, G
Ex ia IIC Ga

ATEX:
SIRA 16ATEX2048X
Ex ia IIC

International (IECEx):
IECEx CSA 16.0017X
Ex ia IIC

Temperature Codes:
T4 = -45°C to 100°C
T5 = -35°C to 85°C

CSA, ATEX, IECEx Approvals Require Intrinsically Safe Barrier
Driver must be mounted in a NEMA 4x and/or IP6x enclosure



**Panel Mount Option
(Shown Above)**

4-20 mA Current Loop Power Option

TERMINAL BLOCK WIRING

Connections	Functions
-	4-20 mA Current Loop
+	
Com	Com
Vout	Nominal Voltage Out

Voltage Output (DX330x80)

TERMINAL BLOCK WIRING

Connections	Functions
Vt	-24 VDC
Com	Com
Com	Com
Vout	Nominal Voltage Out

SPECIFICATIONS

Temperature Range:	-49°F (-45°C) to 189°F (85°C)
Enclosure:	Aluminum
Probe Connector:	Miniature 12-32 Threaded Connector
Power & Output Connector:	4 Position Terminal Block & BNC
Input Voltage:	-17.5 to -30 VDC
Calibration Target Material:	4140 Steel

	FFv	8 mm	11 mm	25 mm
Linear Range:	10-70 mils (0.25 - 1.78 mm)	10-90 mils (0.25 - 2.30 mm)	20-180 mils (0.5 - 4.5 mm)	25-525 mils (0.6 - 13.3 mm)
Nominal Voltage Output:	-200 mV/mil (-7.87 V/mm)	-200 mV/mil (-7.87 V/mm)	-100 mV/mil (-3.94 V/mm)	-20 mV/mil (-0.787 V/mm)

	Standard - DX330x70	Radial - DXx90	Axial - DXx91
4-20 mA Output Proportional to:	Dynamic Displacement	AC Displacement, Pk-Pk	DC Displacement, Thrust

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STANDARD DRIVERS

ORDERING INFORMATION

DX330

Probe Type	Output Option	System Length	Mounting Type	Regulatory Approval
1 = 8 mm	70 = 4-20 mA	5 = 5.0 meter	0 = Panel	00 = CE Certified
7 = 11 mm	80 = Voltage	7 = 7.0 meter (FFv only)	1 = DIN	05 = CSA, ATEX, IECEX, CE Approvals
8 = 25 mm		9 = 9.0 meter (non-FFv)		
9 = 5 mm FFv				

All
Products
Are Built
To Order

Example Part Number: **DX330170-51-00**

4140 Steel, 8 mm probe, 4-20 mA output, 5.0 meter, DIN mount, CE Certified

RADIAL DRIVERS

ORDERING INFORMATION

DX

Probe Type	Full Scale	System Length	Mounting Type	Regulatory Approval
1 = 8 mm	FFv and 8mm Ranges	5 = 5.0 meter	0 = Panel	00 = CE Certified
7 = 11 mm	04 = 0-4 mils pp	7 = 7.0 meter (FFv only)	1 = DIN	05 = CSA, ATEX, IECEX, CE Approvals
8 = 25 mm	05 = 0-5 mils pp	9 = 9.0 meter (non-FFv)		
9 = 5 mm FFv	10 = 0-10 mils pp			
	15 = 0-15 mils pp			
	11mm and 25mm Ranges			
	01 = 0-10 mils pp			
	02 = 0-20 mils pp			
	05 = 0-50 mils pp			

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To Order

Example Part Number: **DX990-04-70-01-05**

5mm FFv Probe, 0-4 mils pp, 7.0 meter, DIN mount, CSA, ATEX, IECEX, CE Approvals

AXIAL DRIVERS

ORDERING INFORMATION

DX

Probe Type	Full Scale	System Length	Mounting Type	Regulatory Approval
1 = 8 mm	FFv and 8mm Ranges	5 = 5.0 meter	0 = Panel	00 = CE Certified
7 = 11 mm	06 = 0.6-0-0.6 mm	7 = 7.0 meter (FFv only)	1 = DIN	05 = CSA, ATEX, IECEX, CE Approvals
8 = 25 mm	25 = 25-0-25 mils	9 = 9.0 meter (non-FFv)		
9 = 5 mm FFv	11mm Ranges			
	12 = 1.2-0-1.2 mm			
	50 = 50-0-50 mils			
	25mm Ranges			
	05 = 5-0-5 mm			
	20 = 200-0-200 mils			

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To Order

Example Part Number: **DX791-50-50-00-00**

11mm Probe, 50-0-50 mils, 5.0 meter, Panel mount, CE Certified

Lifetime Warranty on Materials & Workmanship

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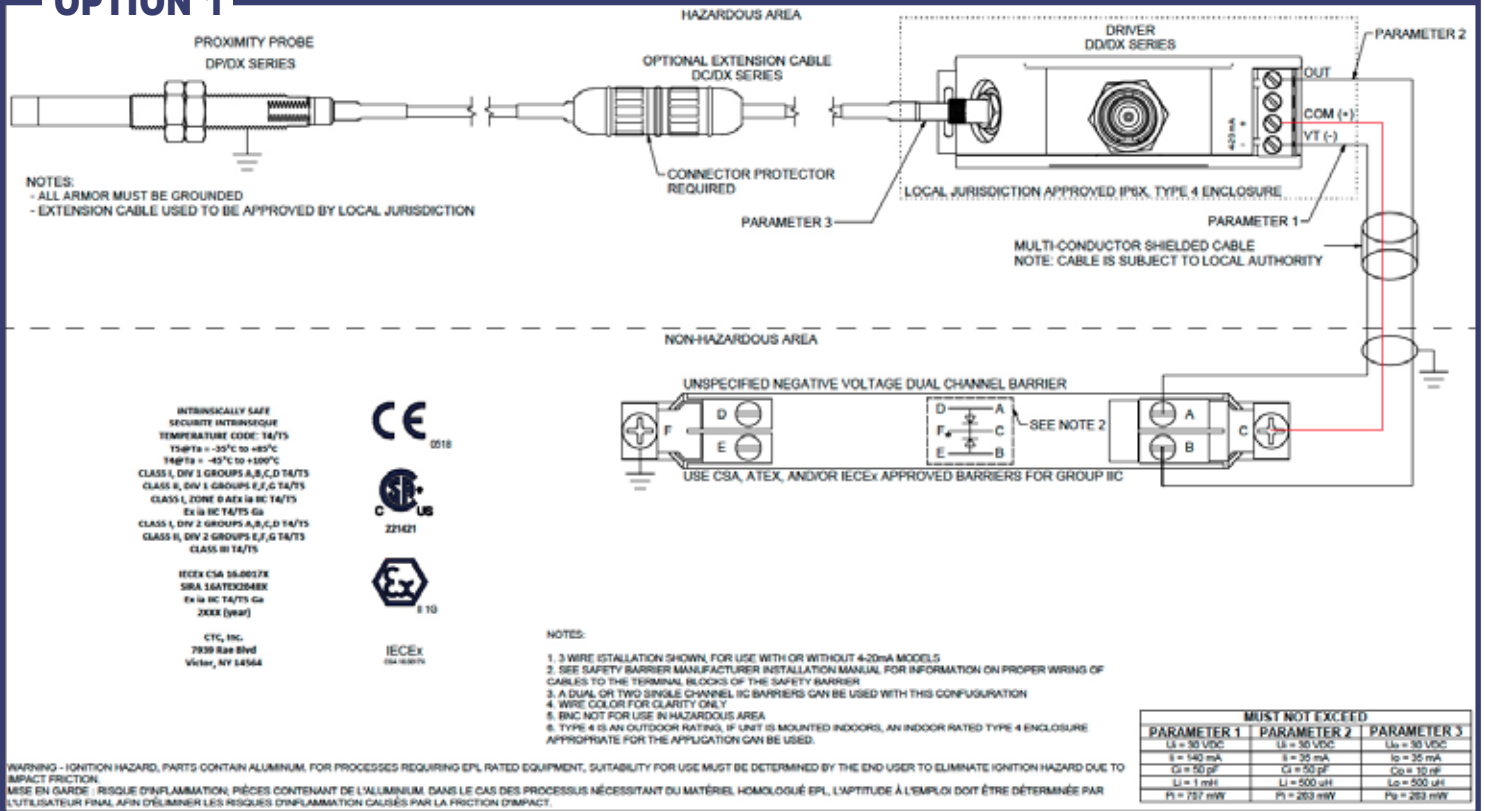


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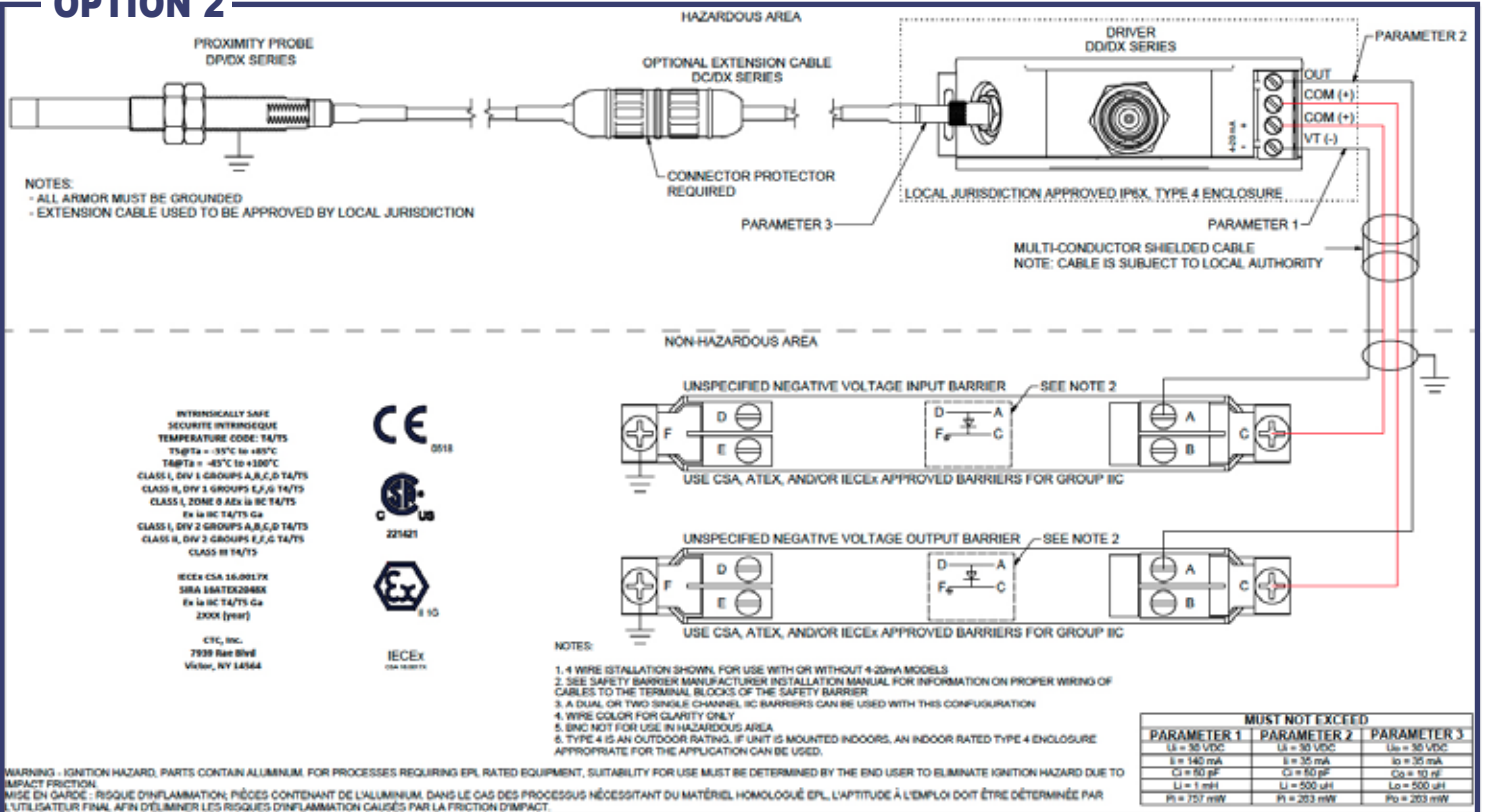
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INSTALLATION DRAWINGS FOR HAZARDOUS AREAS

OPTION 1



OPTION 2



BENTLY COMPATIBLE Proximity Drivers

Lifetime Warranty on Materials & Workmanship

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