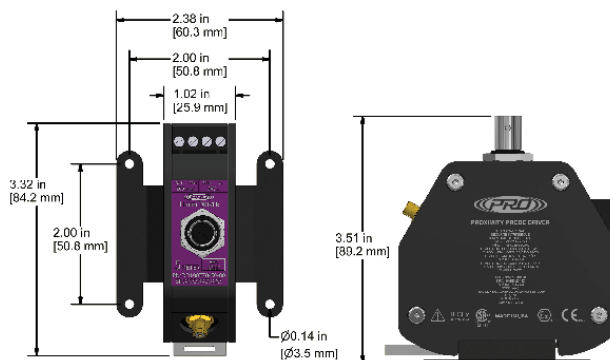


# DD100780 Series

Intrinsically Safe, PRO 11 mm, Driver Assembly



Panel Mount Option  
(Shown Above)

## REGULATORY APPROVALS

IECEx  
CSA 16.0017X

SP  
C Us  
221421



II 1G

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

## Product Features

### Continuous Monitoring in Hazardous Locations

Driver assembly DD100780 offers multiple options for mounting and easy connection via screw terminals.

- **Flexible system configuration**
- **DC gap and shaft vibration signals available via terminal block for analysis or monitoring**
- **Multiple mounting options (DIN rail, panel or none)**

## TERMINAL BLOCK WIRING

Connections	Functions
V <sub>t</sub>	-24 V Power Supply
Com	+24 V Power Supply
Com	Common
V <sub>out</sub>	-100 mV/mil, DC Gap

## Specifications

Temperature Range: -49°F (-45°C) to 185°F (85°C)  
Linear Range: 20 to 180 mils (0.5 - 4.5 mm) @ approximately -1 to -17 VDC  
Nominal Voltage Output: -100 mV/mil (-3.94 V/mm)  
Input Power/Voltage: -17.5 to -30 VDC  
Aluminum enclosure  
Miniature 12-32 threaded connector

Requires Intrinsically Safe Barrier  
Driver must be mounted in a  
NEMA 4x and/or IP6x enclosure

## Ordering Information

DD1   780 -   -  0 5

Calibrated Material	System Length	Mounting Type	Regulatory Approval
00 = 4140 Steel 08 = 1045 Steel 10 = 17-4 Stainless Steel 11 = 420 Stainless Steel 12 = 304 Stainless Steel 13 = 316 Stainless Steel 20 = 360 Brass Alloy 30 = AL7075-T	5 = 5.0 meter 9 = 9.0 meter	0 = Panel (Mounting Screws Are Not Included) 1 = DIN 2 = None	05 = CSA, ATEX, IECEx Approvals



**Example Part Number: DD100780-91-05**

4140 Steel, 9 meter system length, DIN mount, CSA, ATEX, IECEx certified



Read Before Purchasing:  
Important information on **Regulatory Approvals**  
and **Requirements** on Pages 421-423

Lifetime Warranty on Materials & Workmanship

www.ctconline.com

