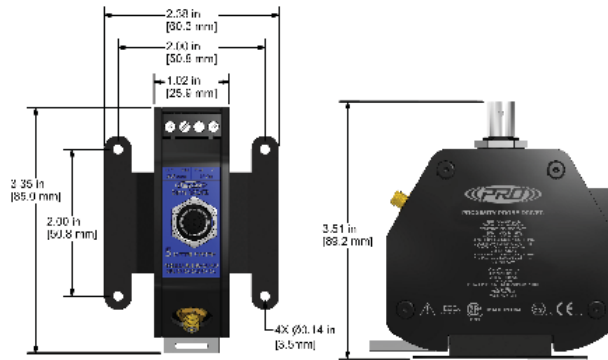


# DD100191 Series

## Intrinsically Safe, PRO 8 mm, Axial, Driver Assembly



Panel Mount Option  
(Shown Above)

### REGULATORY APPROVALS

IECEX  
CSA 16.0017X



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 DD100191 offers multiple options for mounting and easy connection via screw terminals.

- **Flexible system configuration**
- **4-20 mA current loop provides power to the driver, and a displacement output proportional to the axial shaft movement (thrust)**
- **-200 mV/mil (-7.87 V/mm) output available at terminal block ( $V_{out}$  & Com)**
- **Multiple mounting options (DIN rail, panel or none)**

### TERMINAL BLOCK WIRING

Connections	Functions
+	4-20 mA Gap
-	4-20 mA Supply
Com	
$V_{out}$	-200 mV/mil, DC Gap

## Specifications

Temperature Range: -49°F (-45°C) to 185°F (85°C)  
 Linear Range: 10 to 90 mils (.25 - 2.30 mm) @ approximately 4-20 mA  
 Nominal Voltage Output: -200 mV/mil (-7.87 V/mm)  
 4-20 mA Output: defined by full scale selection  
 Input Power/Voltage: 17.5 to 30 VDC (Loop Powered)  
 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   191 -   -   -   -

Calibrated Material	Full Scale	System Length	Mounting Type	Regulatory Approval
<b>00</b> = 4140 Steel <b>08</b> = 1045 Steel <b>10</b> = 17-4 Stainless Steel <b>11</b> = 420 Stainless Steel <b>12</b> = 304 Stainless Steel <b>13</b> = 316 Stainless Steel <b>20</b> = 360 Brass Alloy <b>30</b> = AL7075-T	<b>06</b> = 0.6-0-0.6 mm <b>25</b> = 25-0-25 mils	<b>50</b> = 5.0 meter <b>90</b> = 9.0 meter	<b>00</b> = Panel (Mounting Screws Are Not Included) <b>01</b> = DIN <b>02</b> = None	<b>05</b> = CSA, ATEX, IECEx Approvals



### Example Part Number: DD100191-25-90-01-05

4140 Steel, 25-0-25 mils full scale, 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