



# DP-20 PLUS WEB GUIDE CONTROLLER INSTALLATION INSTRUCTIONS



# DP-20 PLUS

## Installation Instructions

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# DP-20 PLUS

## Installation Instructions

### 1 DP-20 PLUS Panel Mount

- 1) Prior to installing, remove Holding Screws and Slide Bars (2) and place DP-20 into metal cutout. Use dimensions in Figures 1 and 2 for cutout.
- 2) After placement in cutout, re-install Slide Bars and Holding Screws. Tighten Holding Screws until the DP-20 is secure in the panel.
- 3) NOTE: All dimensions and specifications are in mm [inches] unless specified otherwise.

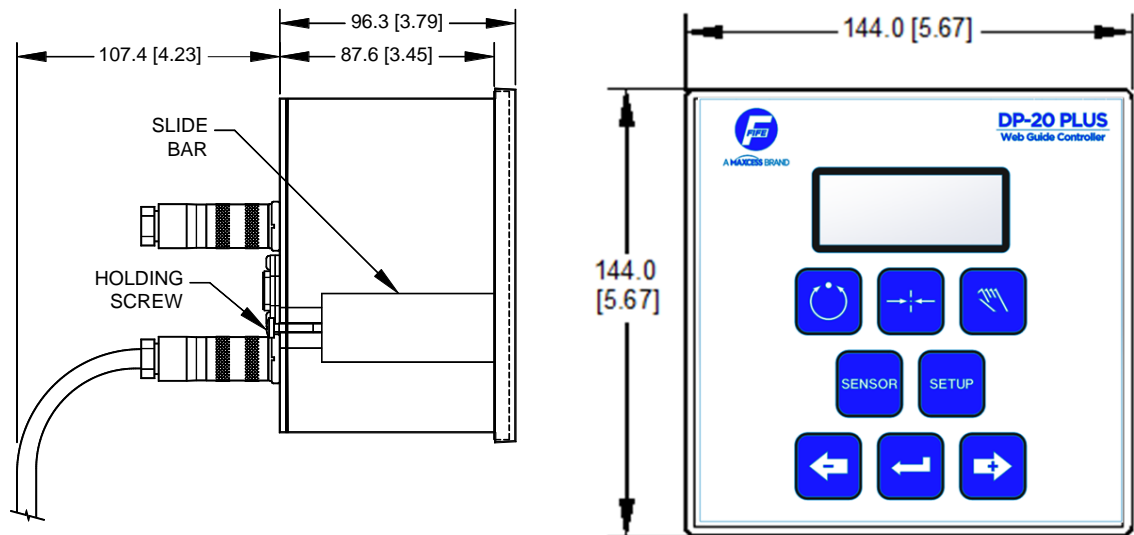


Figure 1 - DP-20 PLUS Front and Side Views (Panel Mount shown with 90° connector option)

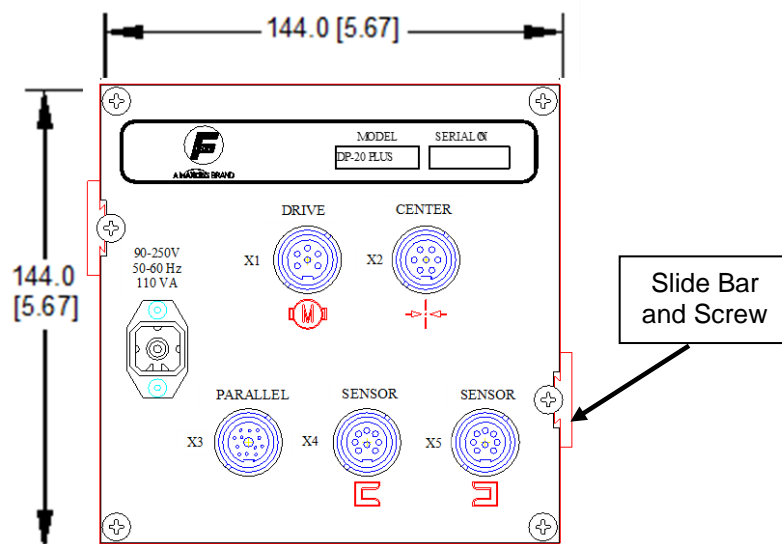


Figure 2 - DP-20 PLUS Rear View (Panel Mount)

# DP-20 PLUS

## Installation Instructions

### 2 DP-20 PLUS Wall Mount Brackets

The wall mount bracket dimensions for new DP-20 PLUS users are provided below in Figure 3. Bracket Part Number is 69930-001. The bracket dimensions and Part Number for clients transitioning from DP-30 to DP-20 PLUS are provided in Figure 5.:

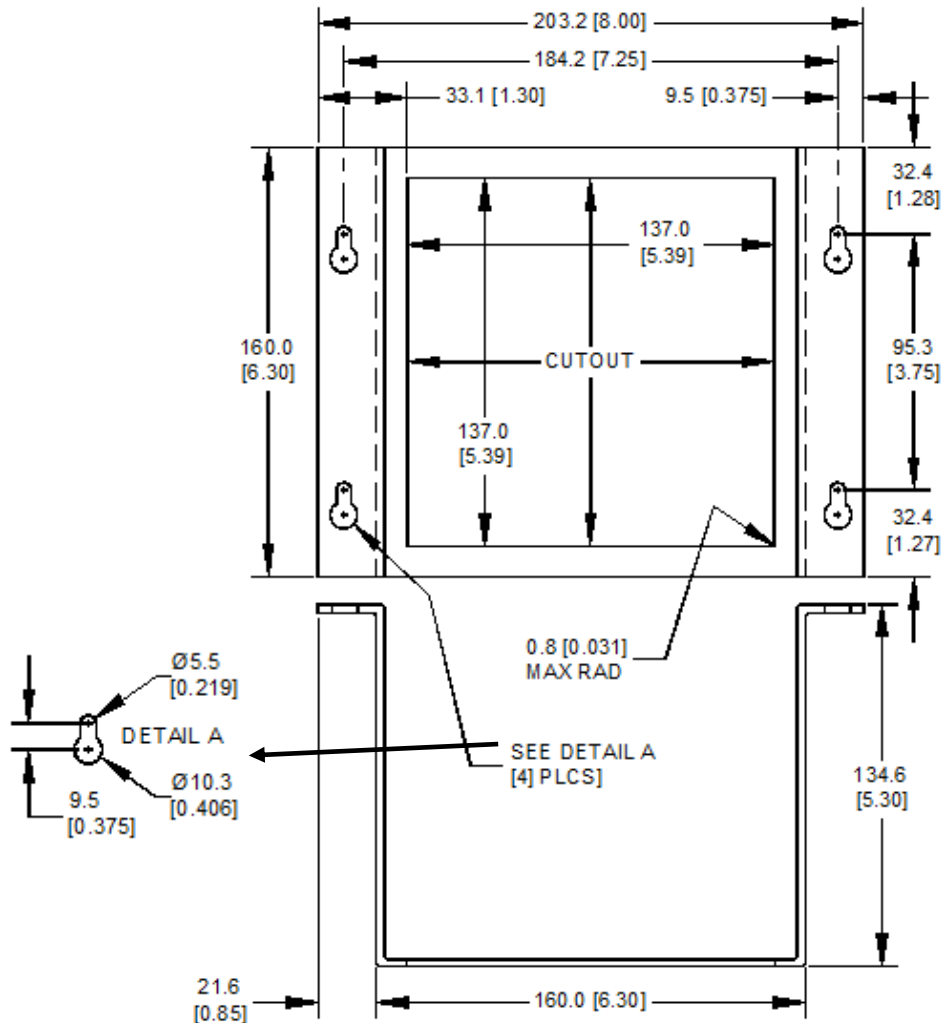


Figure 3 - DP-20 PLUS Wall Mount Bracket Dimensions (Part Number 69930-001)

# DP-20 PLUS

## Installation Instructions

### 2.1 Wall Mount Bracket Installation

- 1) Prior to installing remove Holding Screws and Slide Bars and place DP-20 into applicable bracket.
- 2) After placement re-install Slide Bars and Holding Screws. Tighten Holding Screws until the DP-20 is secure in the bracket.

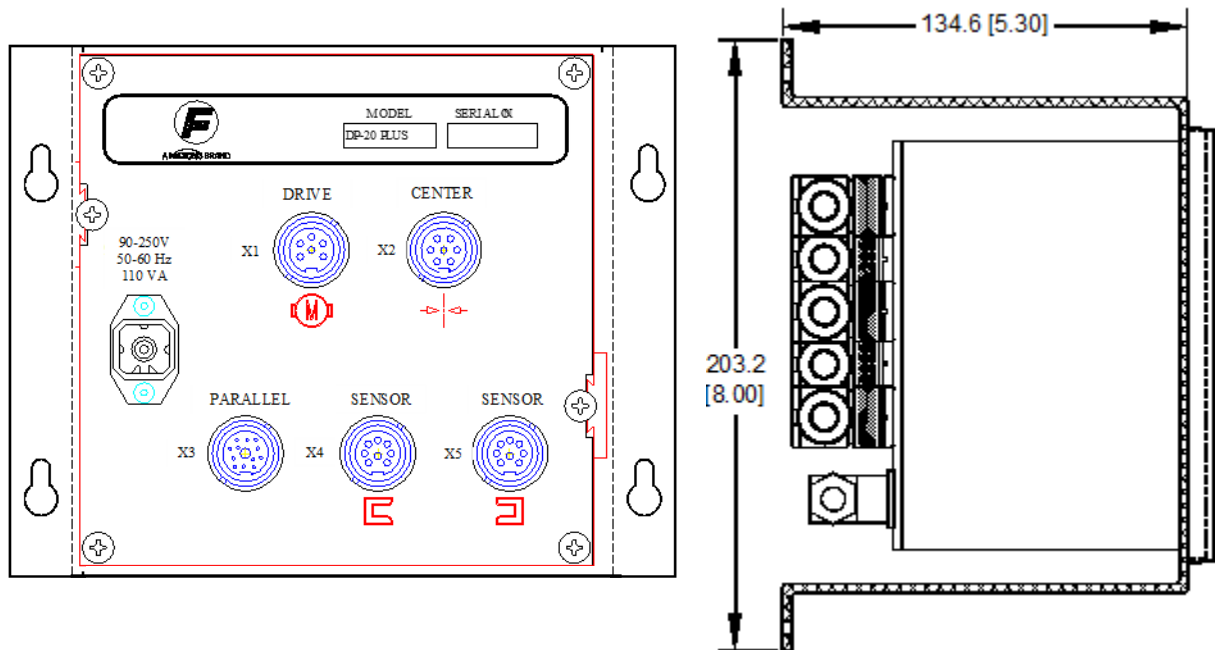
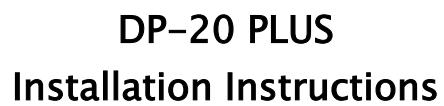


Figure 4 – Wall Mount Bracket (Rear and Bottom Views)

**NOTE – Wall mount bracket shown with and without 90° connectors.**



This bracket (Part No. 69631-001) can be ordered by customers who are transitioning from DP-30 to DP-20 PLUS.

# DP-20 PLUS

## Installation Instructions

### 3 Specifications

#### General

Universal Input Line Voltage Range	- 90 VAC To 250 VAC
Input Line Frequency	- 50 To 60 Hz
Power consumption	- 180 VA
Operating Ambient Temp.	- 0° to 50°C (32° to 122°F)
Dimensions	- Height 144 mm (5.67") Width 144 mm (5.67") Depth 103 mm (4.06") (without cables attached)
Approximate Weight	- 1.6 Kg (3.5 lbs)

#### Inputs and Outputs

Electromechanical Actuator	- 3.5 A, 46 V maximum
Hydraulic Servo Valve	- $\pm 50$ mA With or without Lockout Valve (Max 39 W at 24 V or 48 V)
MPA (with MPA Lockout Signal)	- $\pm 10$ mA
Servo Center	- Analog Inductive type
Sensor Input (2) Individually Programmable	- Max Input $\pm 20$ mA 0 to 10 mA (Preferred)
Parallel port	- Six Digital Inputs Low Level: 0 – 0.9 V High level: 4.6 – 24 V, max 6 mA Two open collector outputs connected to ground, max 30 V (NPN open collector) 55 mA at 1.6 V Switchable Logic Polarity +12V / +15V available to port for input reference
Supply to Sensors	+12V or +15V $\pm 5\%$ , 600 mA (+15V only for legacy FNA sensors) See Quick Start Guide
Supply to Accessories	-12V $\pm 5\%$ , 100 mA



## DP-20 PLUS

### Installation Instructions

#### Certifications and Compatibility with Industrial Environments

Product Certification	-	CE UL/CSA/IEC 61010-1
Protection Class	-	Designed to meet IP 54
Industrial Environments		Indoor Use Altitude <2000 Meters Relative Humidity up to 95% Pollution Degree 2

#### Maximum Cable Lengths

Sensors (Except SE-26A)	-	50 m (165 ft)
SE-26A Sensor (SE-26 is not supported)	-	25 m (82 ft)
Parallel Port	-	50 m (165 ft)
Servo-Center	-	50 m (165 ft)
Servo Valve	-	50 m (165 ft)
Lockout Valve	-	50 m (165 ft)
Actuator	-	14 m (46 ft)





# DP-20 PLUS

## Installation Instructions

### 4 Service

If you have any questions about one of our products or need to speak with a Customer Service representative, please use the contact information below.



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