

# EX200/500/550/700 & EN500 Instrument Housings

## Data Sheet



**EX700 Series**



**EX550 Series**



**EX500 Series**



**EX200 Series**

*Aluminum or Stainless Steel Enclosures  
with Window or Solid Covers*



**EN500 Series**

*Plastic Enclosure  
with Window Cover*



- Explosion-Proof Aluminum or Stainless Steel NEMA 4X / IP68 Enclosures (EX Series)
- High-Impact Plastic NEMA 4X / IP66 Enclosure (EN Series)
- Window or Solid Cover Options
- Optimized Window for Wide Angle Viewing
- Plastic Display and Base Housings for a PCB or Other Components Available
- Dual-Compartment Enclosure (EX550)
- Built-In Mounting Flange(s) for Mounting to Walls or Pipes
- Slotted Back Makes it Easy to Center Enclosure to Pipe
- Tamper-Proof Protection
- Cover Jam Screw Prevents the Removal of Cover in a Flame-Proof Environment
- Dual Label Gallery
- Built-In Loop for Attaching a Stainless Steel Tag
- Up to Four Threaded Conduit Holes in 1/2", 3/4", 1" or M20 Configurations
- Multiple Drilled and Tapped Internal Mounting Holes
- Four Built-In Rails (Except EX200)
- Internal and External Grounding Screws (EX Series Only)
- ATEX and IECEx Certified for Flame-Proof / Dust-Ignition Proof
- CSA Certified for Explosion-Proof / Dust-Ignition Proof / Flame-Proof
- UL Classified for Explosion-Proof / Dust-Ignition Proof / Flame-Proof
- Rail Caps for Easy Installation of Display Housings Available
- Aluminum and Stainless Steel Nameplates Available
- Conduit Plugs, Adapters, and Reducers Available
- Custom Packaging Solutions (Corrugated Box & Air Cushioning)



### CAD Drawings

To view 2D CAD drawings or request 3D CAD drawings, please visit [www.exdirect.com](http://www.exdirect.com)



Table of Contents

Overview . . . . . 3

Enclosures Key Features . . . . . 5

Cardinal EX200 Enclosures. . . . . 6

Hawk EX500 Enclosures . . . . . 10

Hawk EN500 Enclosure . . . . . 14

Dual Hawk EX550 Enclosures . . . . . 17

Condor EX700 Enclosures . . . . . 21

Display Housings . . . . . 25

Base Housings . . . . . 34

Nameplates . . . . . 39

Nameplate Formers and Fixture. . . . . 43

Rail Caps and Screws . . . . . 44

Conduit Accessories . . . . . 47

Cardinal EX200 Packaging . . . . . 48

Hawk EN500 & EX500 Packaging . . . . . 49

Condor EX700 Packaging . . . . . 50



## Overview



The **first thing** a customer notices about an explosion-proof product is the **enclosure** it is housed in.

### Our Story

The first thing a customer notices about an explosion-proof product is the enclosure it is housed in. For years, electronic OEMs had limited options when choosing an explosion-proof instrument housing for their products. And often those options were the same old, drab, and unappealing sand-cast enclosures that added nothing to a product's attractiveness.

ExDirect instrument housings were specifically designed for OEMs who want their products housed in a modern, sleek, and practical enclosure. ExDirect instrument housings bring new life and excitement to existing or new products that customers will notice.

ExDirect has also eliminated the middleman and supplies instrument housings direct from the factory, reducing costs and lead times.

For 15 years, ExDirect has supplied instrument housings to electronic OEMs in a variety of industries across the world.

If you have any questions, then visit our [FAQ page](#) or [contact us](#).

### Our Brand

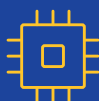
Established in 2009, ExDirect is a Precision Digital Corporation brand and supplier of rugged explosion-proof and NEMA 4X plastic instrument housings.

Our corporate office is in Hopkinton, MA USA where product design, final assembly, inspection, and quality assurance is performed to exacting standards. One of the most important aspects of manufacturing explosion-proof instrument housings is assembling and epoxying the glass window. This process is performed in a highly automated and controlled way in our facility in Hopkinton, MA USA, where quality control is also performed. Precision Digital is an ISO 9001 certified company.

Our instrument housings are approved and/or certified as compliant with UL, CSA, ATEX, IECEx and NEMA standards. Customers trust ExDirect's expertise in explosion-proof instrument housings, particularly in the design of enclosures that reliably perform in challenging environments, such as hazardous areas and exposure to severe outdoor elements.

## Why Choose ExDirect Enclosures?

Because you want your product to stand out from the crowd! Your customers will appreciate the modern, sleek, and practical design elements of ExDirect's enclosures. You'll also be buying directly from the manufacturer, thus eliminating costly middlemen. Plus, our enclosures are in stock or have quick lead times to give you the fastest delivery possible.



### PCB Mounting

Drilled and tapped internal mounting holes and cast rails for easy mounting of a PCB or other components.



### PCB / Display Housings

House up to two PCBs and provide secure, easy mounting to enclosure.



### Field Mounting

Built-in mounting flanges are standard on all instrument enclosures.



### Window

Optimized for maximum viewing angle and diameter for easy viewing of any display.



### Material

Die-cast aluminum, stainless steel, or plastic with and without windows.



### Conduits

Available in a wide range of conduit quantities and sizes.



### Buy Direct

Eliminate the middleman and buy online direct from the manufacturer.



### In Stock

Enclosures are typically in stock or have quick lead times for the fastest delivery possible.



### Approvals

Worldwide CSA, ATEX, IECEx, and UL approvals for use in hazardous areas.



### USA Company

Design, final assembly, inspection, and quality assurance are performed in our Hopkinton, MA headquarters.



### Quality Control

Window assembly and final quality assurance are performed to exacting standards.



### Experience

15 years designing & manufacturing explosion-proof instrument housings with reliable performance.



## Enclosures Key Features



### Three Enclosure Sizes

ExDirect instrument enclosures are available in three sizes.



### Glass or Solid Front

They feature a screw down cover with either a window optimized for wide viewing angle or a solid front.



### Stainless Steel & Plastic

Enclosures are available in type 316 stainless steel. Hawk also available in polycarbonate plastic with UV stabilizer.



### Dual-Compartment

A dual-compartment enclosure, the Dual Hawk, is available in aluminum and features a separate compartment for making field wiring connections.



### PCB Mounting

Multiple drilled and tapped internal mounting holes and four cast rails are available inside the enclosure for easy mounting of a PCB or other components.



### Tamper Seal

Tamper-proofing is achieved by inserting a wire through the cast-in loop on the base of the enclosure and a hole in the lid of the enclosure and securing this wire with a lead seal.



### Pipe/Wall Mounting

Built-in mounting flanges allow easy mounting to walls or pipes. A slotted back makes it easy to center the enclosure on a pipe.



### Cast-in Loop

Attach a stainless steel tag to the enclosure through the cast-in loop located on the base of the enclosure.



### Approvals

All ExDirect aluminum and stainless steel flame-proof instrument housings carry UL, CSA, ATEX, and IECEx approvals.

## Cardinal EX200 Enclosures

The EX200 Cardinal is ExDirect's smallest, most economical explosion-proof instrument enclosure. It is available in aluminum and stainless steel and stocked with solid and window covers in different conduit configurations. Both aluminum and stainless steel enclosures carry UL, CSA, ATEX, and IECEx approvals.



### Ordering Information

SKU	Conduits	
	Top/Bottom (T1)	Side (T2)
<b>Cardinal Aluminum Window</b>		
EX200-AL-W-05-BL	½" (1)	½" (2)
EX200-AL-W-20-BL	None	½" (2)
EX200-AL-W-21-BL	None	M20 (2)
<b>Cardinal Aluminum Solid</b>		
EX200-AL-S-05-BL	½" (1)	½" (2)
EX200-AL-S-20-BL	None	½" (2)
EX200-AL-S-21-BL	None	M20 (2)
<b>Cardinal Stainless Steel Window</b>		
EX200-SS-W-05-NC	½" (1)	½" (2)
EX200-SS-W-20-NC	None	½" (2)
EX200-SS-W-21-NC	None	M20 (2)
<b>Cardinal Stainless Steel Solid</b>		
EX200-SS-S-05-NC	½" (1)	½" (2)
EX200-SS-S-20-NC	None	½" (2)
EX200-SS-S-21-NC	None	M20 (2)

**Note:** ExDirect strives to keep the above items in stock. Contact us for the availability of additional conduit configurations.

### Models



Cardinal Aluminum  
Window



Cardinal Aluminum  
Solid



Cardinal Stainless Steel  
Window



Cardinal Stainless Steel  
Solid

### Accessories Available



Display Housing



Nameplates

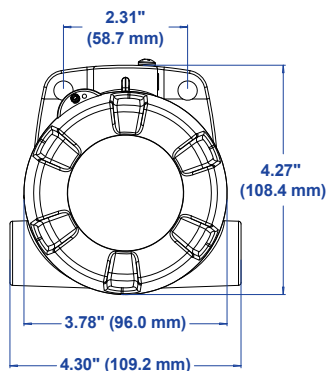


Conduit Accessories

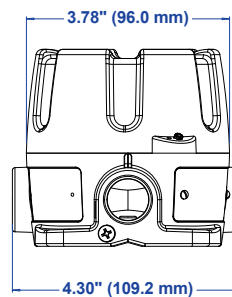
Physical Features



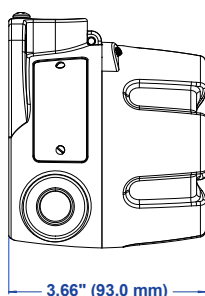
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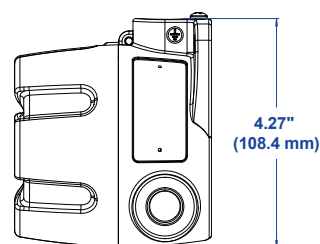
Front



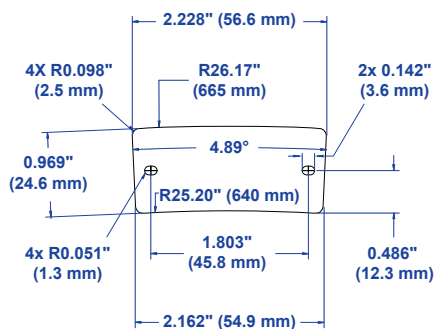
Top



Left Side



Right Side



Nameplate



### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)



## Specifications

### GENERAL

<b>Material</b>	EX200-AL: ASTM A413 LM6 die-cast aluminum, copper-free, enamel coated  EX200-SS: ASTM A743 CF8M investment-cast 316 stainless steel
<b>Bottom Conduit Connection (T1)</b>	(1) 1/2" or none
<b>Side Conduit Connections (T2)</b>	(2) 1/2" or M20
<b>Cover Style</b>	Window or solid
<b>Gasket</b>	Fluoroelastomer gasket
<b>Window Diameter</b>	2.17" (55 mm)
<b>Window Material</b>	Borosilicate glass
<b>Enclosure Rating</b>	UL & CSA: Type 4X/IP68; ATEX & IECEx: IP68
<b>Color</b>	EX200-AL: Blue (Contact us for details on custom colors available.) EX200-SS: Silver
<b>Temperature Range</b>	-67 to 185 °F (-55 to 85 °C)
<b>Weight</b>	EX200-AL-W: 2.3 lbs (1.04 kg) EX200-AL-S: 2.1 lbs (0.95 kg) EX200-SS-W: 5.0 lbs (2.27 kg) EX200-SS-S: 4.7 lbs (2.13 kg)
<b>Outside Dimensions</b>	4.3" x 4.27" x 3.66" (109 x 108 x 93 mm) (W x H x D)
<b>Instrument Tag Loop</b>	Cast-in loop for securing stainless steel tag
<b>Tamper-Proof Seal Provision</b>	Base and cover can be secured with wire and lead seal
<b>Ground Screws</b>	Internal and external
<b>Nameplate Galleries</b>	Number: Two  Securing Method: Two drilled and tapped holes
<b>Surface Pretreatment</b>	EX200-AL: Chromate conversion coated per Military Standard MIL-DTL-5541F, Type II, Class 1A, Clear Finish (RoHS Compliant) to 1µm max
<b>Paint</b>	EX200-AL: Sherwin Williams POLANE HS polyurethane enamel with a dry film thickness of up to 70 µm max thickness
<b>Paint Color</b>	EX200-AL: RAL 5017 Blue

### APPROVALS

<b>ATEX</b>	Flameproof protection II 2GD Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: Sira 19ATEX1252U
<b>IECEX</b>	Flameproof and dust protection Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: IECEx SIR 19.0075U
<b>CSA</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Group E, F, G Class III Ex db IIC Gb Ex tb IIIC Db Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate No.: 80011200
<b>UL</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class III Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Ex db IIC Gb Ex tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate Number: E518920
<b>Attached Approvals Nameplate</b>	Customer may do one of the following with the supplied nameplate: <ol style="list-style-type: none"> <li>1. Keep. Agency approvals apply to enclosure only.</li> <li>2. Remove. Enclosure is no longer agency approved.</li> <li>3. Replace. Add customer's own with full product agency approvals.</li> </ol>

### LIMITED WARRANTY

Precision Digital Corporation (ExDirect) warrants these products against defects in material or workmanship for a period of one year from the date of shipment from the factory. Precision Digital's liability under this limited warranty shall not exceed the purchase value, repair, or replacement of the defective unit. See Warranty Information and Terms & Conditions on [www.predig.com](http://www.predig.com) for complete details.

## Hawk EX500 Enclosures

The EX500 Hawk is ExDirect's mid-sized explosion-proof instrument enclosure. It is available in aluminum and stainless steel with solid and window covers in different conduit configurations. Both aluminum and stainless steel enclosures carry UL, CSA, ATEX, and IECEx approvals.



### Models



**Hawk Aluminum  
Window**



**Hawk Aluminum  
Solid**



**Hawk Stainless  
Steel Window**



**Hawk Stainless  
Steel Solid**

### Ordering Information

SKU	Conduits	
	Top/Bottom (T1)	Sides (T2)
<b>Hawk Aluminum Window</b>		
EX500-AL-W-07-BL	¾" (1)	¾" (2)
EX500-AL-W-19-BL	None	¾" (2)
EX500-AL-W-21-BL	None	M20 (2)
EX500-AL-W-22-BL	M20 (1)	M20 (2)
EX500-AL-W-24-BL	1" (1)	¾" (2)
<b>Hawk Aluminum Solid</b>		
EX500-AL-S-07-BL	¾" (1)	¾" (2)
EX500-AL-S-19-BL	None	¾" (2)
EX500-AL-S-21-BL	None	M20 (2)
EX500-AL-S-22-BL	M20 (1)	M20 (2)
EX500-AL-S-24-BL	1" (1)	¾" (2)
<b>Hawk Stainless Steel Window</b>		
EX500-SS-W-07-NC	¾" (1)	¾" (2)
EX500-SS-W-19-NC	None	¾" (2)
EX500-SS-W-21-NC	None	M20 (2)
EX500-SS-W-22-NC	M20 (1)	M20 (2)
EX500-SS-W-24-NC	1" (1)	¾" (2)
<b>Hawk Stainless Steel Solid</b>		
EX500-SS-S-07-NC	¾" (1)	¾" (2)
EX500-SS-S-19-NC	None	¾" (2)
EX500-SS-S-21-NC	None	M20 (2)
EX500-SS-S-22-NC	M20 (1)	M20 (2)
EX500-SS-S-24-NC	1" (1)	¾" (2)

**Note:** ExDirect strives to keep the above items in stock. Contact us for the availability of additional conduit configurations.

### Accessories Available



**Display Housings**



**Base Housing &  
Rail Caps**



**Nameplates**

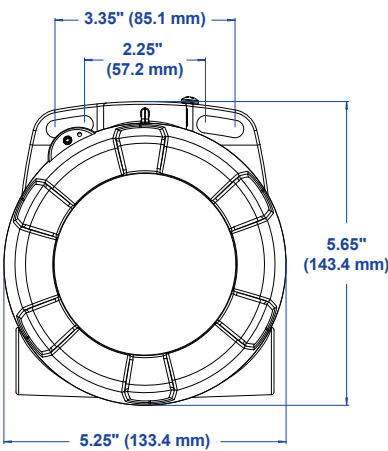


**Conduit Accessories**

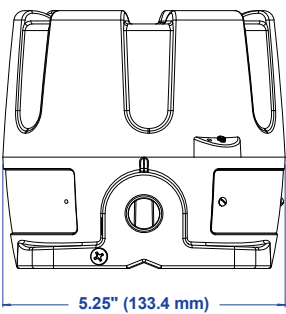
Physical Features



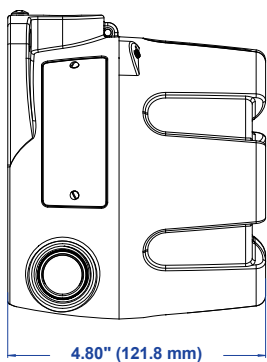
Dimensions



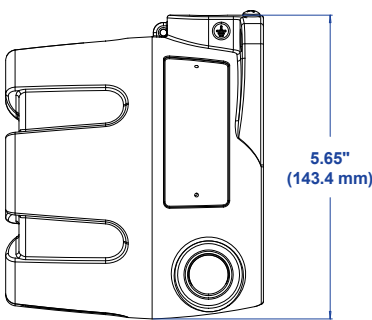
Front



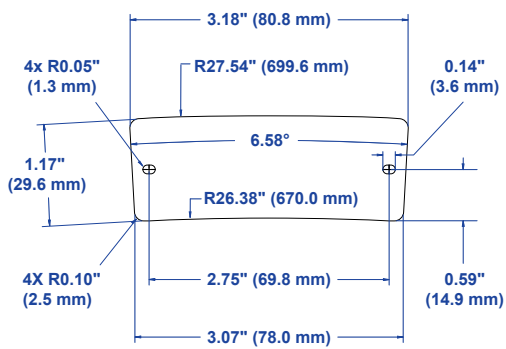
Top



Left Side



Right Side



Nameplate



CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Specifications

### GENERAL

<b>Material</b>	EX500-AL: ASTM A413 LM6 die-cast aluminum, copper-free, enamel coated  EX500-SS: ASTM A743 CF8M investment-cast 316 stainless steel
<b>Bottom Conduit Connection (T1)</b>	(1) 3/4", 1", M20, or none
<b>Side Conduit Connections (T2)</b>	(2) 3/4" or M20
<b>Cover Style</b>	Window or solid
<b>Gasket</b>	Fluoroelastomer gasket
<b>Window Diameter</b>	3.35" (85 mm)
<b>Window Material</b>	Borosilicate glass
<b>Enclosure Rating</b>	UL & CSA: Type 4X/IP68; ATEX & IECEx: IP68
<b>Color</b>	EX500-AL: Blue (Contact us for details on custom colors available.) EX500-SS: Silver
<b>Temperature Range</b>	-67 to 185 °F (-55 to 85 °C)
<b>Weight</b>	EX500-AL-W: 4.8 lbs (2.18 kg) EX500-AL-S: 4.3 lbs (1.90 kg) EX500-SS-W: 9.0 lbs (4.08 kg) EX500-SS-S: 8.7 lbs (3.95 kg)
<b>Outside Dimensions</b>	5.25" x 5.65" x 4.8" (133 x 144 x 122 mm) (W x H x D)
<b>Instrument Tag Loop</b>	Cast-in loop for securing stainless steel tag
<b>Tamper-Proof Seal Provision</b>	Base and cover can be secured with wire and lead seal
<b>Ground Screws</b>	Internal and external
<b>Nameplate Galleries</b>	Number: Two  Securing Method: Two drilled and tapped holes
<b>Surface Pretreatment</b>	EX500-AL: Chromate conversion coated per Military Standard MIL-DTL-5541F, Type II, Class 1A, Clear Finish (RoHS Compliant) to 1µm max
<b>Paint</b>	EX500-AL: Sherwin Williams POLANE HS polyurethane enamel with a dry film thickness of up to 70 µm max thickness
<b>Paint Color</b>	EX500-AL: RAL 5017 Blue

### APPROVALS

<b>ATEX</b>	Flameproof protection II 2GD Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: Sira 19ATEX1252U
<b>IECEX</b>	Flameproof and dust protection Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: IECEx SIR 19.0075U
<b>CSA</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Group E, F, G Class III Ex db IIC Gb Ex tb IIIC Db Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate No.: 80011200
<b>UL</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class III Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Ex db IIC Gb Ex tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate Number: E518920
<b>Attached Approvals Nameplate</b>	Customer may do one of the following with the supplied nameplate:  1. Keep. Agency approvals apply to enclosure only. 2. Remove. Enclosure is no longer agency approved. 3. Replace. Add customer's own with full product agency approvals.

### LIMITED WARRANTY

Precision Digital Corporation (ExDirect) warrants these products against defects in material or workmanship for a period of one year from the date of shipment from the factory. Precision Digital's liability under this limited warranty shall not exceed the purchase value, repair, or replacement of the defective unit. See Warranty Information and Terms & Conditions on [www.predig.com](http://www.predig.com) for complete details.



## Hawk EN500 Enclosure

The EN500 Hawk is ExDirect's mid-sized general purpose instrument enclosure. It has a window cover and is made of a high impact polycarbonate plastic with UV stabilizer. It comes with three conduit connections of 3/4".

### Models



Hawk Plastic Window

### Accessories Available



Display Housings



Base Housing & Rail Caps



Conduit Plug

### Ordering Information

SKU	Conduits	
	Top/Bottom (T1)	Sides (T2)
Hawk Plastic Window		
EN500-PL-W-07-GY	¾" (1)	¾" (2)

**Note:** ExDirect strives to keep the above items in stock. Contact us for the availability of additional conduit configurations.

### Specifications

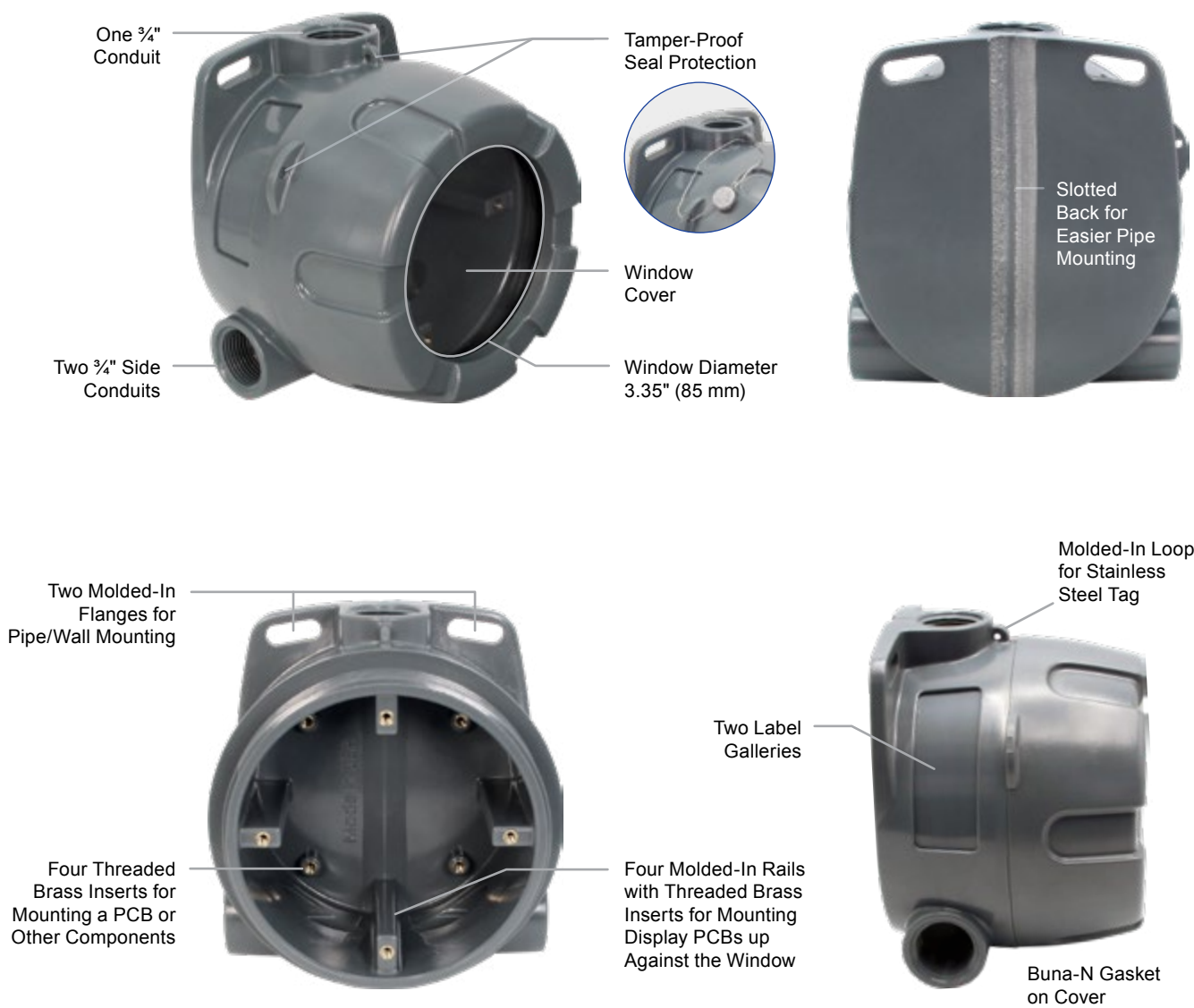
#### GENERAL

<b>Material</b>	Polycarbonate plastic with UV stabilizer
<b>Bottom Conduit Connection (T1)</b>	(1) ¾"
<b>Side Conduit Connections (T2)</b>	(2) ¾"
<b>Cover Style</b>	Window
<b>Gasket</b>	Buna-N
<b>Window Diameter</b>	3.35" (85 mm)
<b>Window Material</b>	Clear polycarbonate with UV stabilizer
<b>Enclosure Rating</b>	NEMA 4X, IP66 plastic, UL 94V-0
<b>Color</b>	Gray
<b>Temperature Range</b>	-40 to 167 °F (-40 to 75 °C)
<b>Weight</b>	1.4 lbs (0.64 kg)
<b>Outside Dimensions</b>	5.25" x 5.65" x 4.18" (133 x 144 x 106 mm) (W x H x D)
<b>Instrument Tag Loop</b>	Molded-in loop for securing stainless steel tag
<b>Tamper-Proof Seal Provision</b>	Base and cover can be secured with wire and lead seal
<b>Label Galleries</b>	Number: Two Securing Method: Adhesive
<b>Label Dimensions</b>	2.60" x 0.92" (66 x 23 mm)

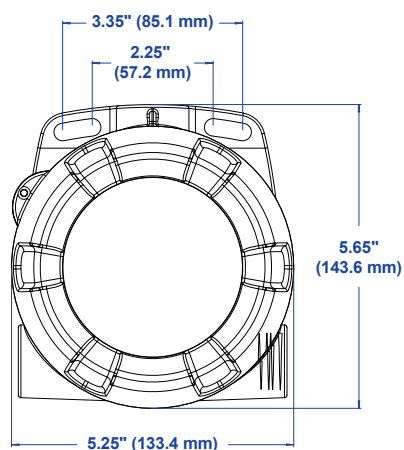
#### LIMITED WARRANTY

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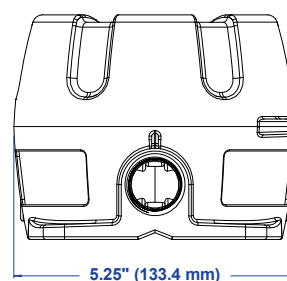
Physical Features



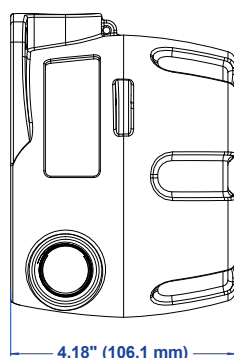
## Dimensions



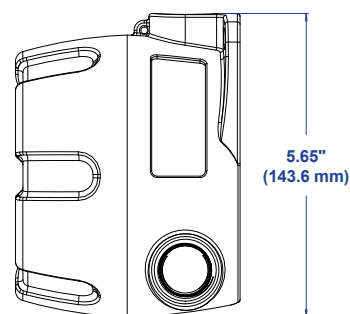
Front



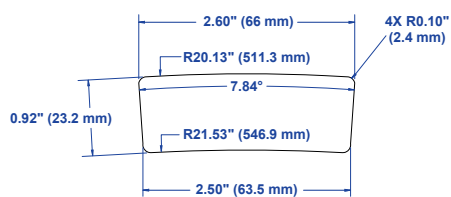
Top



Left Side



Right Side



Label



## CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

Dual Hawk EX550 Enclosures

The EX550 Dual Hawk is ExDirect's dual-compartment, mid-sized explosion-proof instrument enclosure. It is available in aluminum with up to four conduit connections, one of which can be 1" for a process connection and another at the top can be for an antenna. It carries UL, CSA, ATEX, and IECEx approvals.



Ordering Information

SKU	Conduits		
	Bottom (T1)	Side (T2)	Top (T3)
Dual Hawk Aluminum Window			
EX550-AL-W-54-BL	1" (1)	¾" (2)	¾" (1)
Dual Hawk Aluminum Solid			
EX550-AL-S-54-BL	1" (1)	¾" (2)	¾" (1)

Models



Dual Hawk Aluminum Window



Dual Hawk Aluminum Solid

Accessories Available



Display Housings



Base Housing & Rail Caps

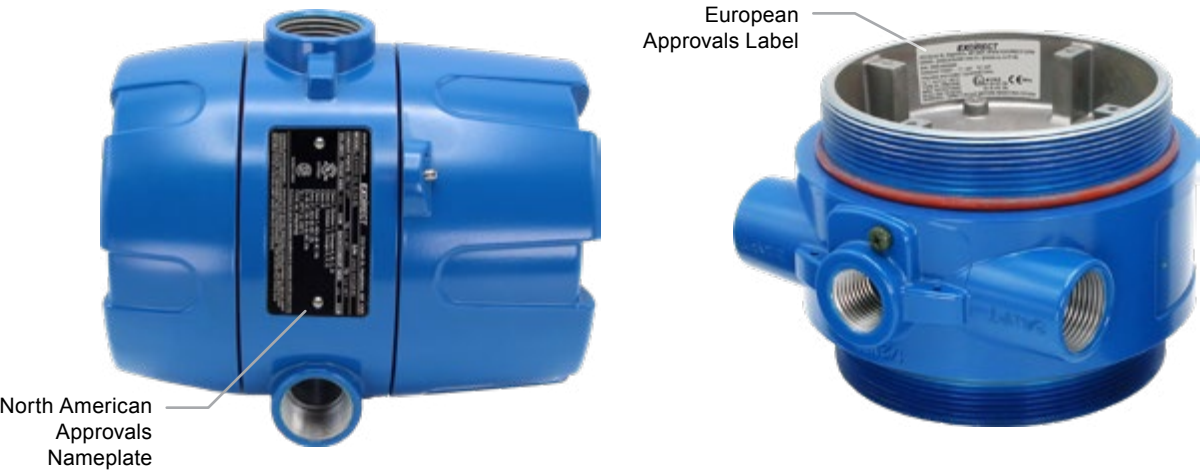
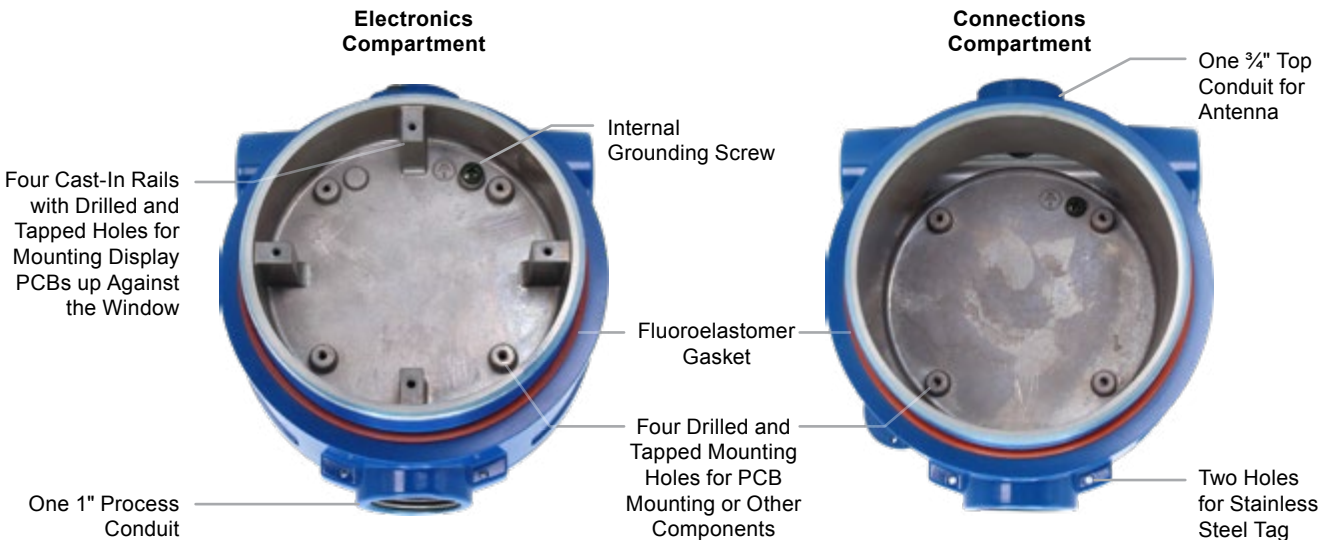
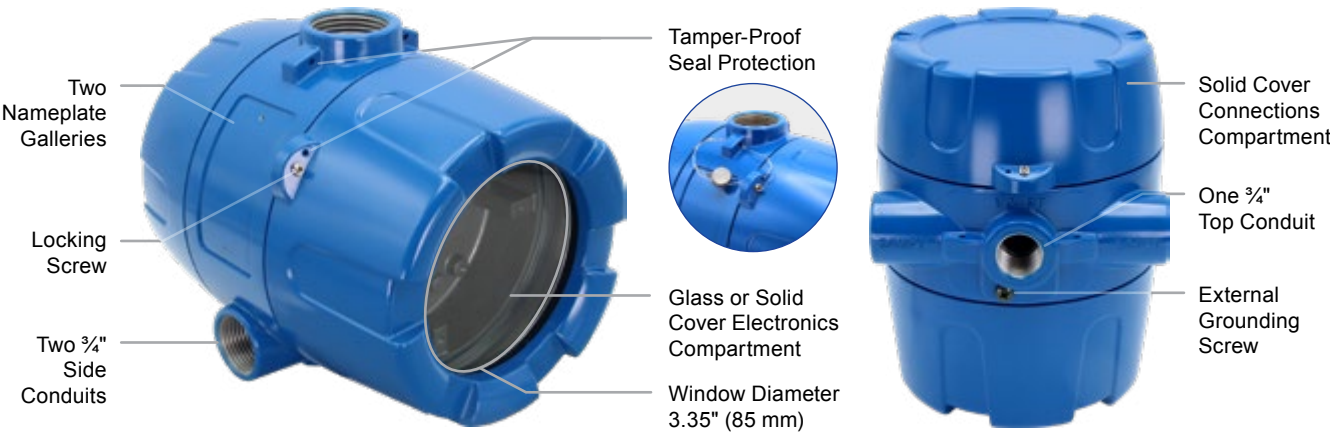


Nameplate



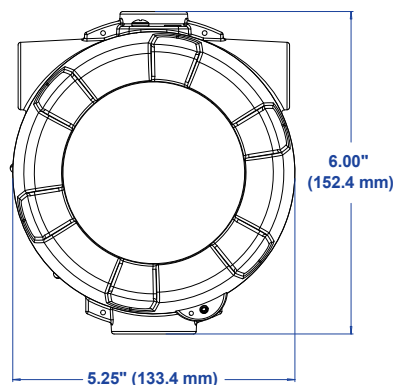
Conduit Accessories

Physical Features

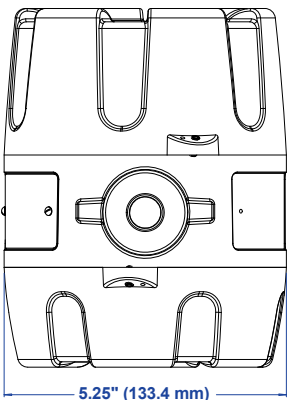




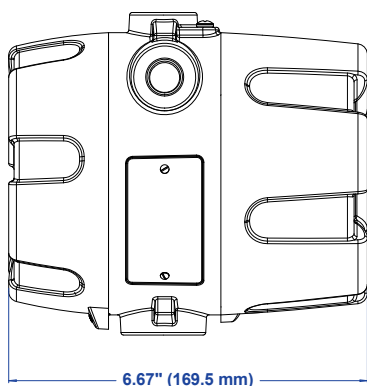
Dimensions



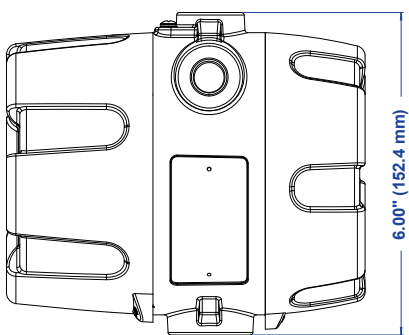
Front



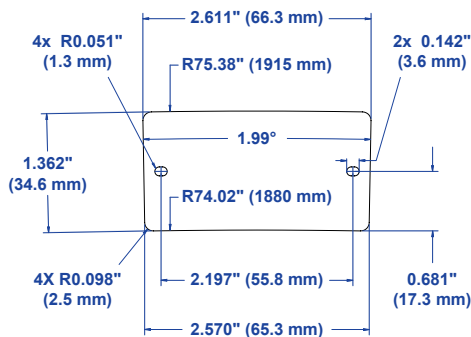
Top



Left Side



Right Side



Nameplate



CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Specifications

### GENERAL

<b>Material</b>	ASTM A413 LM6 die-cast aluminum, copper-free, enamel coated
<b>Bottom Conduit Connection (T1)</b>	(1) 1"
<b>Side Conduit Connections (T2)</b>	(2) 3/4"
<b>Top Conduit Connections (T3)</b>	(1) 3/4"
<b>Main Cover Style</b>	Window or solid
<b>Gasket</b>	Fluoroelastomer gasket
<b>Window Diameter</b>	3.35" (85 mm)
<b>Window Material</b>	Borosilicate glass
<b>Connections Cover Style</b>	Solid
<b>Enclosure Rating</b>	UL & CSA: Type 4X/IP68; ATEX & IECEx: IP68
<b>Color</b>	Blue (Contact us for details on custom colors available.)
<b>Temperature Range</b>	-67 to 185 °F (-55 to 85 °C)
<b>Weight</b>	EX550-AL-W: 6.4 lbs (2.90 kg) EX550-AL-S: 5.8 lbs (2.63 kg)
<b>Outside Dimensions</b>	5.25" x 6.0" x 6.67" (133 x 152 x 170 mm) (W x H x D)
<b>Instrument Tag Loop</b>	Cast-in loop for securing stainless steel tag
<b>Tamper-Proof Seal Provision</b>	Base and cover can be secured with wire and lead seal
<b>Ground Screws</b>	Internal and external
<b>Nameplate Galleries</b>	Number: Two  Securing Method: Two drilled and tapped holes
<b>Surface Pretreatment</b>	Chromate conversion coated per Military Standard MIL-DTL-5541F, Type II, Class 1A, Clear Finish (RoHS Compliant) to 1µm max
<b>Paint</b>	Sherwin Williams POLANE HS polyurethane enamel with a dry film thickness of up to 70 µm max thickness
<b>Paint Color</b>	RAL 5017 Blue

### MODIFICATIONS

<b>Agency Approved EX550 User Modification Instructions</b>	1/2-14 NPT or 3/4-14 NPT openings, with a minimum of 5 full threads, may be drilled and tapped through the 10.6 mm (0.4 in) thick internal wall for installation of a suitably certified bushing, in order to maintain the isolation between chambers.
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### APPROVALS

<b>ATEX</b>	Flameproof protection II 2GD Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: Sira 19ATEX1252U
<b>IECEX</b>	Flameproof and dust protection Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: IECEx SIR 19.0075U
<b>CSA</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Group E, F, G Class III Ex db IIC Gb Ex tb IIIC Db Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate No.: 80011200
<b>UL</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class III Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Ex db IIC Gb Ex tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate Number: E518920
<b>Attached Approvals Nameplate</b>	Customer may do one of the following with the supplied nameplate: <ol style="list-style-type: none"> <li>1. Keep. Agency approvals apply to enclosure only.</li> <li>2. Remove. Enclosure is no longer agency approved.</li> <li>3. Replace. Add customer's own with full product agency approvals.</li> </ol>

### LIMITED WARRANTY

Precision Digital Corporation (ExDirect) warrants these products against defects in material or workmanship for a period of one year from the date of shipment from the factory. Precision Digital's liability under this limited warranty shall not exceed the purchase value, repair, or replacement of the defective unit. See Warranty Information and Terms & Conditions on [www.predig.com](http://www.predig.com) for complete details.

Condor EX700 Enclosures

The EX700 Condor is ExDirect’s largest explosion-proof instrument enclosure with the most spacious interior. It is available in aluminum and stainless steel and stocked with solid and window covers with four 3/4" conduit connections. Both aluminum and stainless steel enclosures carry UL, CSA, ATEX, and IECEx approvals.



Ordering Information

SKU	Conduits	
	Top (T1)	Bottom (T2)
Condor Aluminum Window		
EX700-AL-W-07-BL	¾" (2)	¾" (2)
Condor Aluminum Solid		
EX700-AL-S-07-BL	¾" (2)	¾" (2)
Condor Stainless Steel Window		
EX700-SS-W-07-NC	¾" (2)	¾" (2)
Condor Stainless Steel Solid		
EX700-SS-S-07-NC	¾" (2)	¾" (2)

**Note:** ExDirect strives to keep the above items in stock. Contact us for the availability of additional conduit configurations.

Models



Condor Aluminum Window



Condor Aluminum Solid

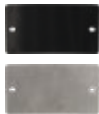


Condor Stainless Steel Window



Condor Stainless Steel Solid

Accessories Available



Nameplates

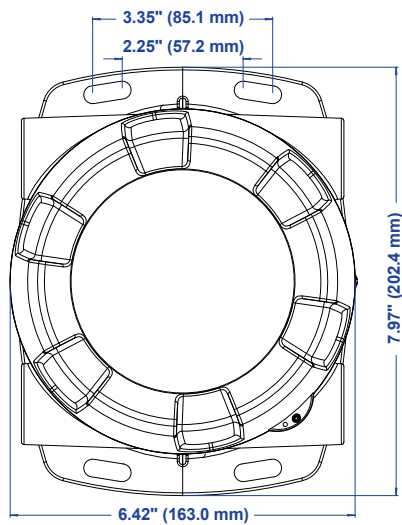


Conduit Accessories

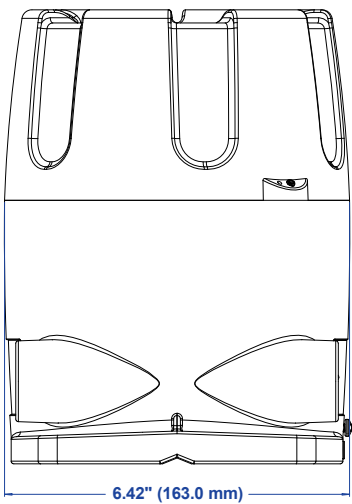
Physical Features



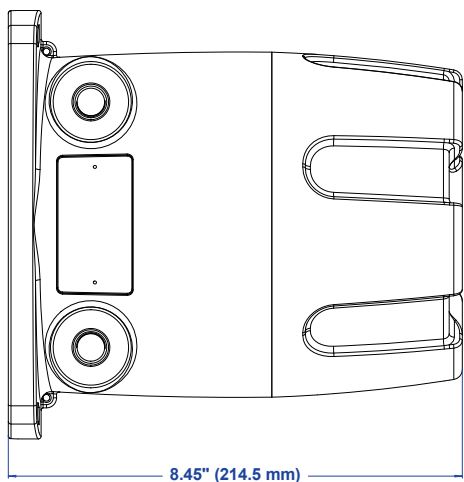
Dimensions



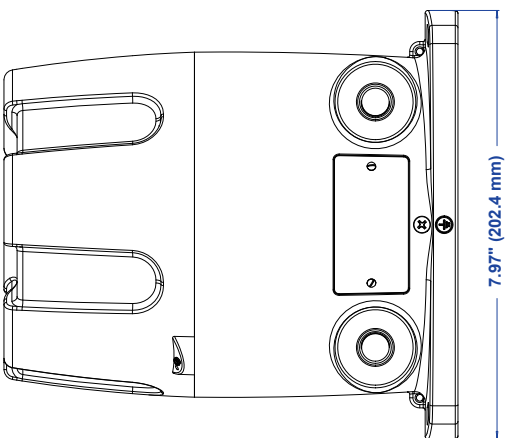
Front



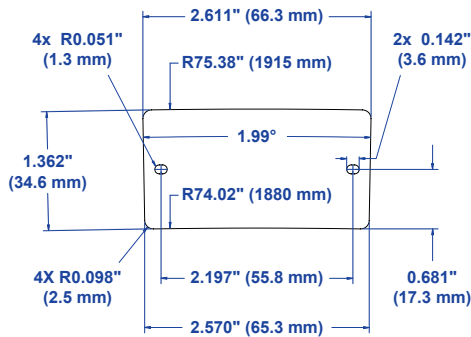
Top



Left Side



Right Side



Nameplate



CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)



## Specifications

### GENERAL

<b>Material</b>	EX700-AL: ASTM A413 LM6 die-cast aluminum, copper-free, enamel coated  EX700-SS: ASTM A743 CF8M investment-cast 316 stainless steel
<b>Bottom Conduit Connection (T1)</b>	(2) 3/4"
<b>Side Conduit Connections (T2)</b>	(2) 3/4"
<b>Cover Style</b>	Window or solid
<b>Gasket</b>	Fluoroelastomer gasket
<b>Window Diameter</b>	4.17" (106 mm)
<b>Window Material</b>	Borosilicate glass
<b>Enclosure Rating</b>	UL & CSA: Type 4X/IP68; ATEX & IECEx: IP68
<b>Color</b>	EX700-AL: Blue (Contact us for details on custom colors available.) EX700-SS: Silver
<b>Temperature Range</b>	-67 to 185 °F (-55 to 85 °C)
<b>Weight</b>	EX700-AL-W: 13.2 lbs (6.0 kg) EX700-AL-S: 12.7 lbs (5.8 kg) EX700-SS-W: 22.0 lbs (10.0 kg) EX700-SS-S: 20.6 lbs (9.3 kg)
<b>Outside Dimensions</b>	6.42" x 7.97" x 8.45" (163 x 202 x 214 mm) (W x H x D)
<b>Instrument Tag Loop</b>	Cast-in loop for securing stainless steel tag
<b>Tamper-Proof Seal Provision</b>	Base and cover can be secured with wire and lead seal
<b>Ground Screws</b>	Internal and external
<b>Nameplate Galleries</b>	Number: Two  Securing Method: Two drilled and tapped holes
<b>Surface Pretreatment</b>	EX700-AL: Chromate conversion coated per Military Standard MIL-DTL-5541F, Type II, Class 1A, Clear Finish (RoHS Compliant) to 1µm max
<b>Paint</b>	EX700-AL: Sherwin Williams POLANE HS polyurethane enamel with a dry film thickness of up to 70 µm max thickness
<b>Paint Color</b>	EX700-AL: RAL 5017 Blue

### APPROVALS

<b>ATEX</b>	Flameproof protection II 2GD Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: Sira 19ATEX1252U
<b>IECEX</b>	Flameproof and dust protection Ex db IIC Gb Ex tb IIIC Db IP66/IP68 Tamb: -55°C to +85°C Certificate No.: IECEx SIR 19.0075U
<b>CSA</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Group E, F, G Class III Ex db IIC Gb Ex tb IIIC Db Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate No.: 80011200
<b>UL</b>	Class I, Division 1, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class III Class I, Zone 1, AEx db IIC Gb Zone 21, AEx tb IIIC Ex db IIC Gb Ex tb IIIC Db IP66/IP68/TYPE 4X Tamb: -55°C to +85°C Certificate Number: E518920
<b>Attached Approvals Nameplate</b>	Customer may do one of the following with the supplied nameplate:  1. Keep. Agency approvals apply to enclosure only. 2. Remove. Enclosure is no longer agency approved. 3. Replace. Add customer's own with full product agency approvals.

### LIMITED WARRANTY

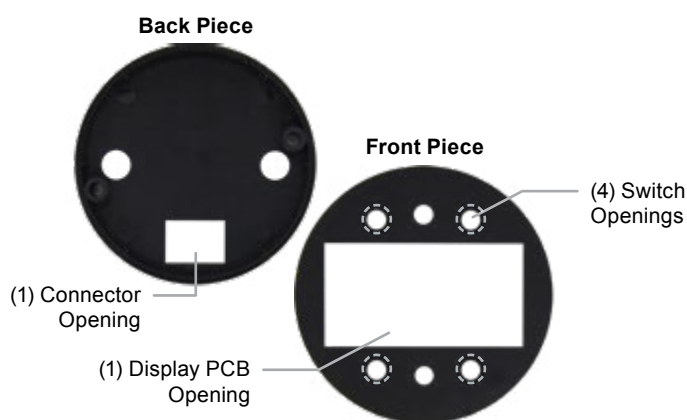
Precision Digital Corporation (ExDirect) warrants these products against defects in material or workmanship for a period of one year from the date of shipment from the factory. Precision Digital's liability under this limited warranty shall not exceed the purchase value, repair, or replacement of the defective unit. See Warranty Information and Terms & Conditions on [www.predig.com](http://www.predig.com) for complete details.

## Display Housings

The display housings are designed to accommodate a display PCB and an additional PCB on select models while providing secure, easy mounting to an ExDirect enclosure's built-in rails (standoffs on EX200 only). They are available for EX200, EN500, EX500, and EX550 enclosures.

### EA200-DisplayHousing

The EA200-DisplayHousing holds a single display PCB. It is designed to mount on the top lip of the EX200 enclosure base and secure in place using standoffs threaded into the drilled and tapped holes on the base of the EX200 enclosure. The back piece comes with (1) connector opening to provide a total of (3) terminal connections. The front of the display housing includes (4) switch openings.



**EA200-DisplayHousing Front and Back Piece**



**EA200-DisplayHousing Accommodates (1) Display PCB**

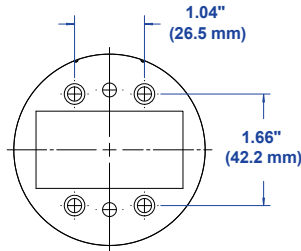


**EA200-DisplayHousing Mounted to Enclosure Using Standoffs (Not Included)**

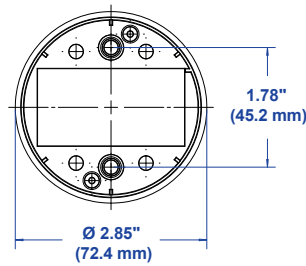


**Fully Assembled Product**

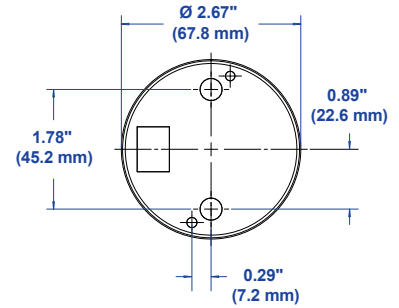
## EA200-DISPLAYHOUSING DIMENSIONS



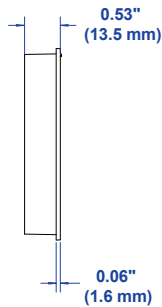
**Front Piece**



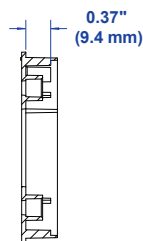
**Front Piece Interior**



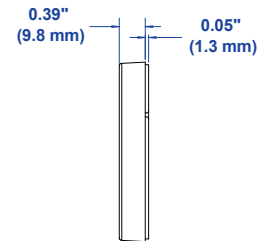
**Back Piece**



**Front Piece Side**



**Front Piece Interior Side**



**Back Piece Side**

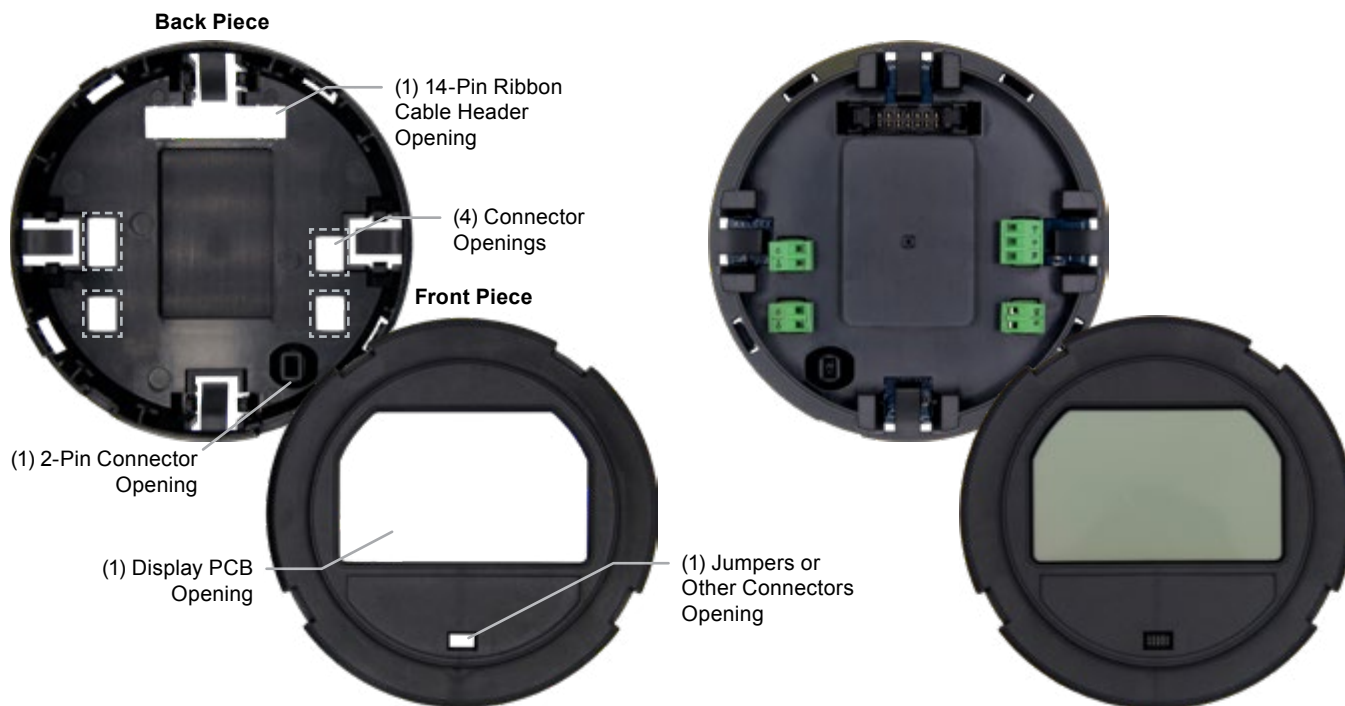


### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## EA500-DisplayHousing1

The EA500-DisplayHousing1 holds a display PCB and an additional PCB. It is designed to provide secure and seamless mounting to an EN500, EX500, or EX550 enclosure's built-in rails. The back piece comes with (4) connector openings to provide a total of (9) terminal connections, as well as openings for (1) 2-pin connector and (1) 14-pin ribbon cable header. The front piece includes (1) opening for jumpers or other connectors.



**EA500-DisplayHousing1 Front and Back Piece**

**EA500-DisplayHousing1 Accommodates  
(1) Display PCB and (1) Additional PCB**

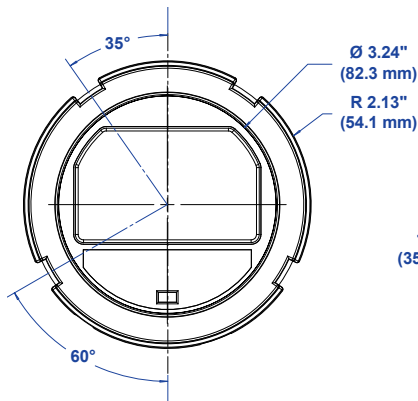


**EA500-DisplayHousing1 Seamlessly Mounts  
Onto the Enclosure's Built-In Rails**

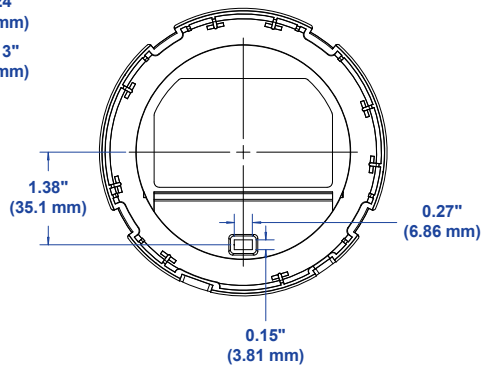


**Fully Assembled Product**

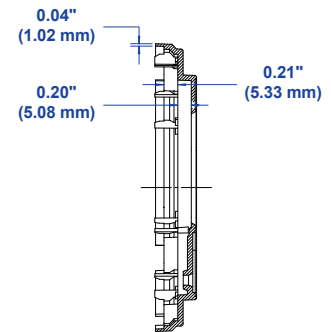
## EA500-DISPLAYHOUSING1 DIMENSIONS



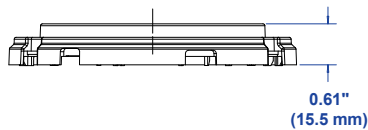
Front Piece



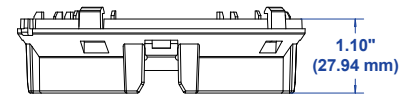
Front Piece Interior



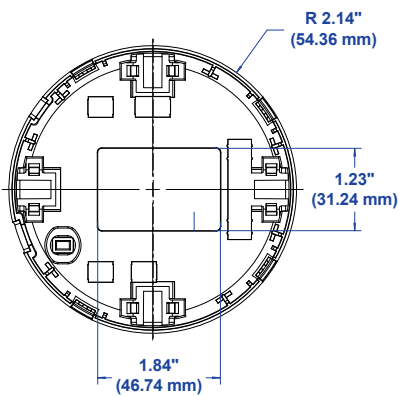
Front Piece Side



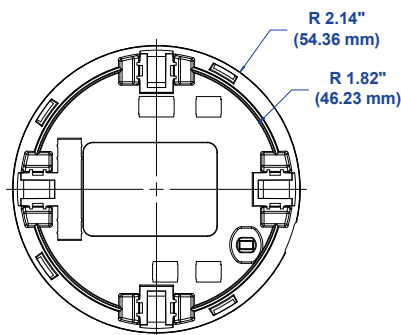
Front Piece Top



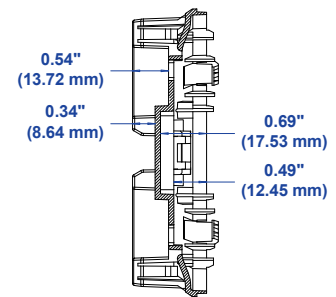
Back Piece Top



Back Piece Front



Back Piece Interior



Back Piece Side



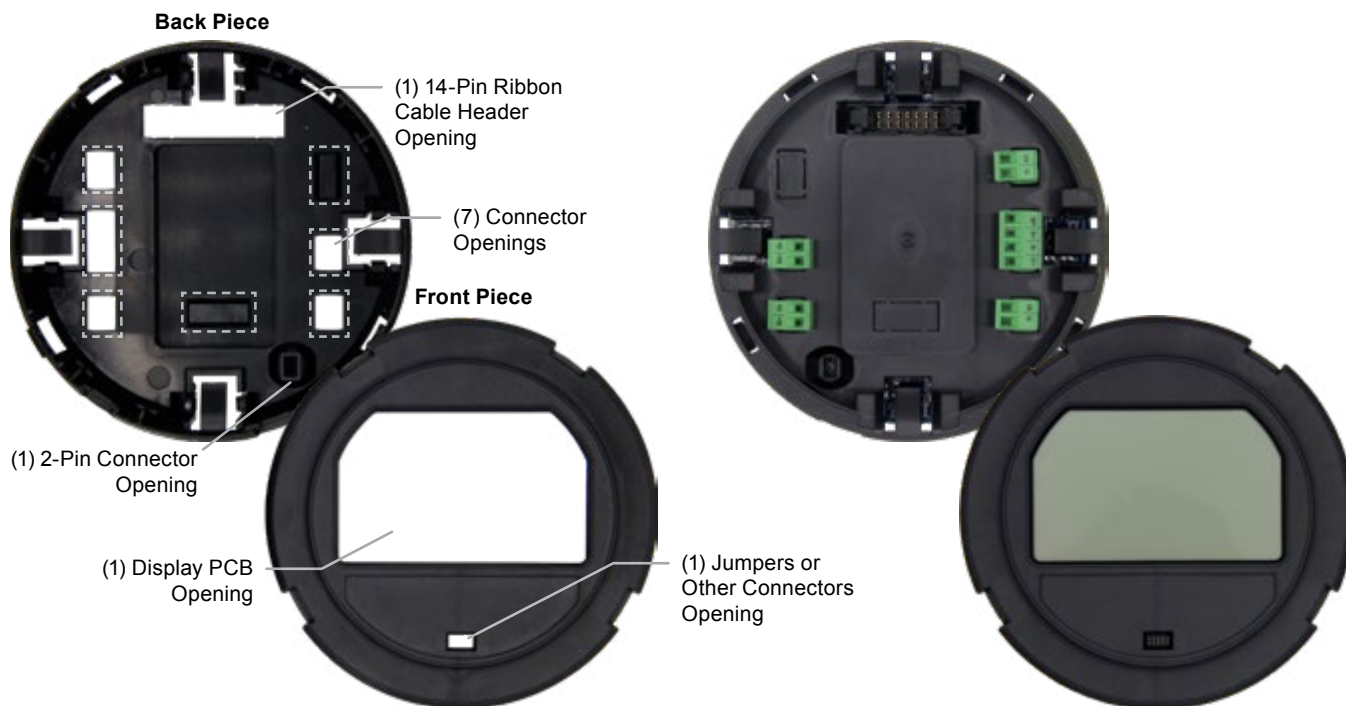
### CAD Drawings

To view 2D CAD drawings or to request 3D CAD drawings, please visit [www.exdirect.com](http://www.exdirect.com)



## EA500-DisplayHousing2

The EA500-DisplayHousing2 holds a display PCB and an additional PCB. It is designed to provide secure and seamless mounting to an EN500, EX500, or EX550 enclosure's built-in rails. The back piece with (7) connector openings to provide a total of (19) terminal connections, as well as openings for (1) 2-pin connector and (1) 14-pin ribbon cable header. The front of the display housing includes (1) opening for jumpers or other connectors.



**EA500-DisplayHousing2 Front and Back Piece**

**EA500-DisplayHousing2 Accommodates  
(1) Display PCB and (1) Additional PCB**

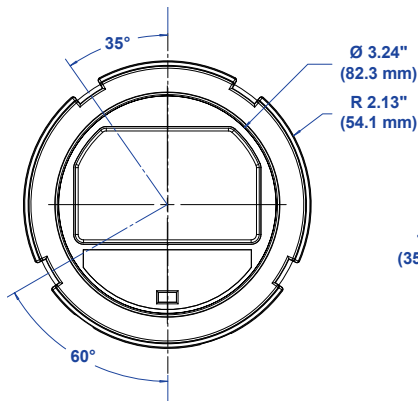


**EA500-DisplayHousing2 Seamlessly Mounts  
Onto the Enclosure's Built-In Rails**

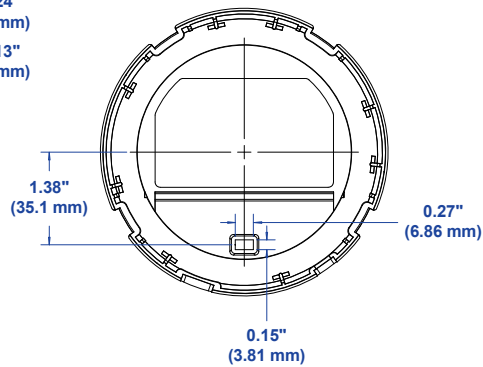


**Fully Assembled Product**

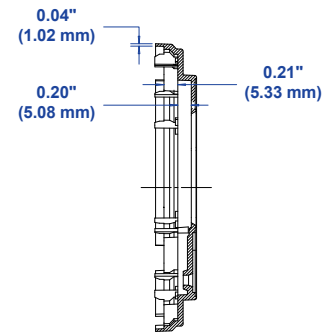
## EA500-DISPLAYHOUSING2 DIMENSIONS



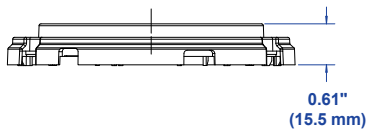
Front Piece



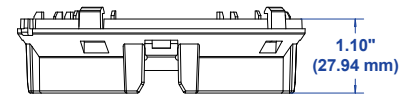
Front Piece Interior



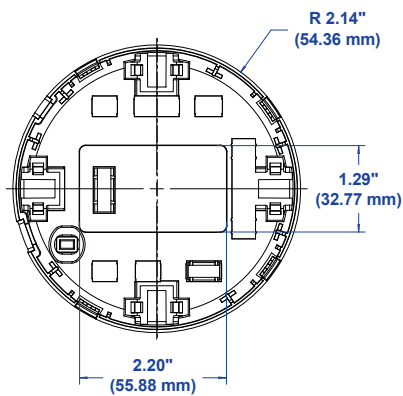
Front Piece Side



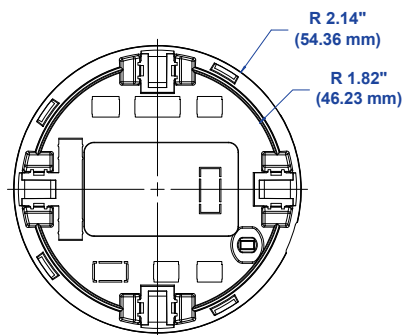
Front Piece Top



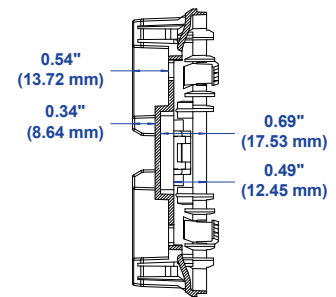
Back Piece Top



Back Piece Front



Back Piece Interior



Back Piece Side

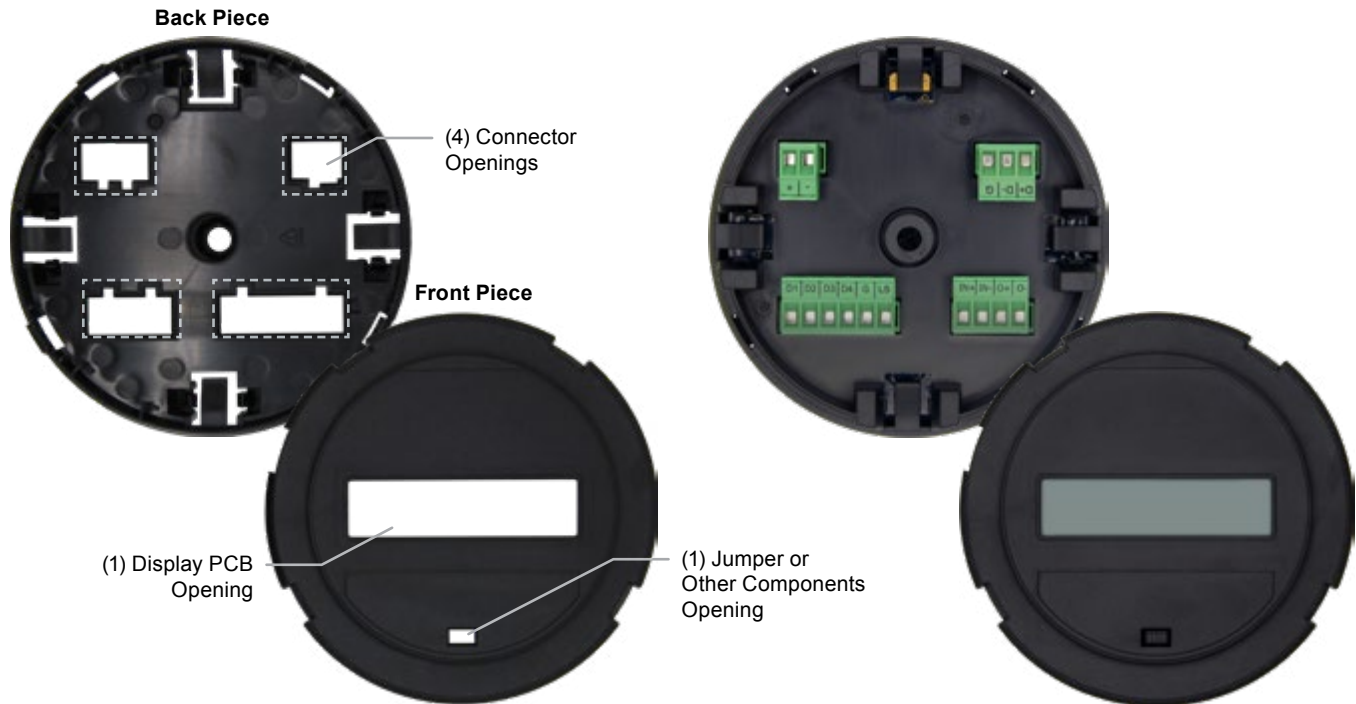


### CAD Drawings

To view 2D CAD drawings or to request 3D CAD drawings, please visit [www.exdirect.com](http://www.exdirect.com)

## EA500-DisplayHousing3

The EA500-DisplayHousing3 holds a single PCB. It is designed to provide secure and seamless mounting to an EN500, EX500, or EX550 enclosure's built-in rails. The back piece comes with (4) connector openings to provide a total of (15) terminal connections. The front piece includes (1) opening for jumpers or other connectors.



**EA500-DisplayHousing3 Front and Back Piece**

**EA500-DisplayHousing3 Accommodates (1) PCB**

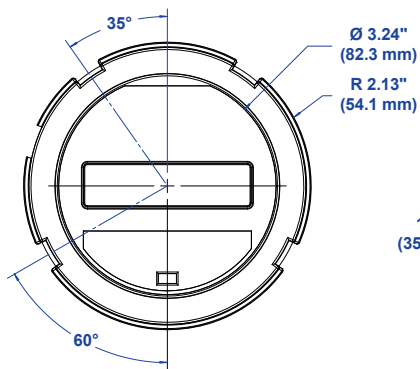


**EA500-DisplayHousing3 Seamlessly Mounts Onto the Enclosure's Built-In Rails**

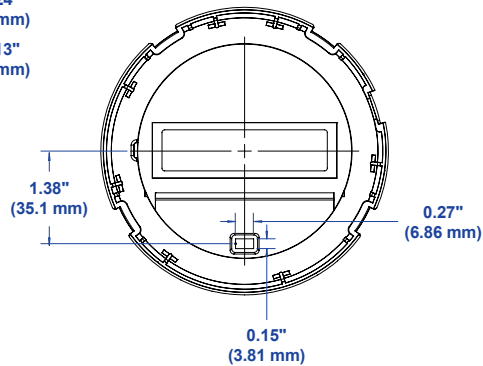


**Fully Assembled Product**

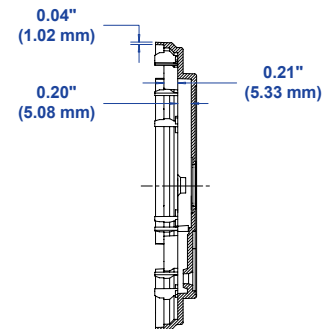
## EA500-DISPLAYHOUSING3 DIMENSIONS



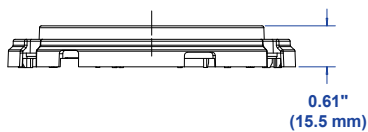
Front Piece



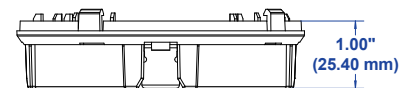
Front Piece Interior



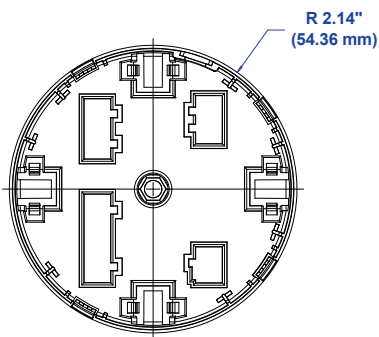
Front Piece Side



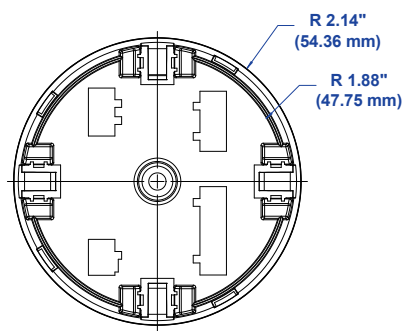
Front Piece Top



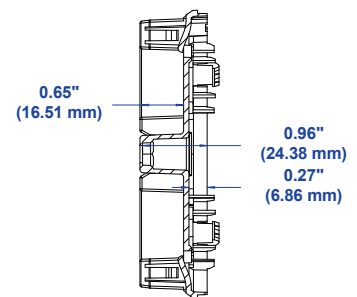
Back Piece Top



Back Piece Front



Back Piece Interior



Back Piece Side



### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Specifications

## EA200-DISPLAYHOUSING

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	(1) terminal, (4) Switch
<b>Number of Terminals</b>	3
<b>Terminal Size</b>	5 mm
<b>PCB Capacity</b>	(1) display
<b>Color</b>	Black
<b>Compatibility</b>	EX200

## EA500-DISPLAYHOUSING1

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	(4) terminal, (1) 2-pin connector, (1) 14-pin ribbon cable header, (1) jumper
<b>Number of Terminals</b>	9
<b>Terminal Size</b>	3.81 mm
<b>PCB Capacity</b>	(1) display, (1) additional
<b>Color</b>	Black
<b>Compatibility</b>	EN500, EX500, EX550

## EA500-DISPLAYHOUSING2

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	(7) terminal, (1) 2-pin connector, (1) 14-pin ribbon cable header, (1) jumper
<b>Number of Terminals</b>	19
<b>Terminal Size</b>	3.81 mm
<b>PCB Capacity</b>	(1) display, (1) additional
<b>Color</b>	Black
<b>Compatibility</b>	EN500, EX500, EX550

## EA500-DISPLAYHOUSING3

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	(4) terminal, (1) jumper
<b>Number of Terminals</b>	15
<b>Terminal Size</b>	3.81 mm
<b>PCB Capacity</b>	(1) display
<b>Color</b>	Black
<b>Compatibility</b>	EN500, EX500, EX550

## EA200-DHSCREWS

<b>Material</b>	316 Stainless Steel
<b>Screw Type</b>	Phillips Pan Head #4x3/4 Trilobular (plastic thread cutting)
<b>Compatibility</b>	EA200-DisplayHousing
<b>Quantity</b>	Bags of 500, 1,000, or 2,000 Screws

## Ordering Information

SKU	Description
<b>Display Housings for EX200</b>	
EA200-DisplayHousing	Plastic Display Housing for EX200 Enclosure with (1) Terminal, and (4) Switch Openings
<b>Display Housings for EN500, EX500, &amp; EX550</b>	
EA500-DisplayHousing1	Plastic Display Housing for EN500, EX500, and EX550 Enclosures with (4) Terminal, (1) 2-Pin Connector, (1) 14-Pin Ribbon Cable Header, and (1) Jumper Openings
EA500-DisplayHousing2	Plastic Display Housing for EN500, EX500, and EX550 Enclosures with (7) Terminal, (1) 2-Pin Connector, (1) 14-Pin Ribbon Cable Header, and (1) Jumper Openings
EA500-DisplayHousing3	Plastic Display Housing for EN500, EX500, and EX550 Enclosures with (4) Terminal, and (1) jumper Openings
<b>Screws for Display Housings</b>	
EA200-DHScrews-##	Screws Used for EA200-DisplayHousing

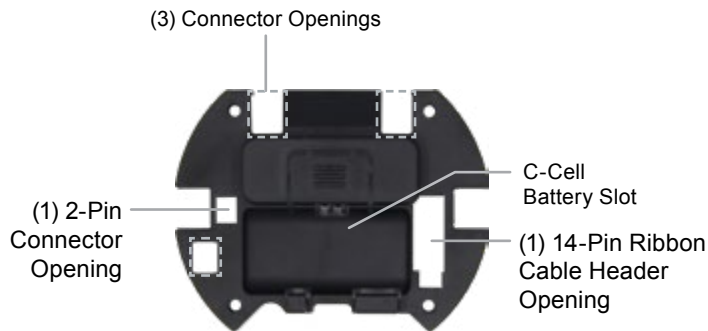
**Note:** Replace ## with desired quantity number of either 500, 1000, or 5000 (e.g. EA200-DHScrews-1000).



## Base Housings

### EA500-BaseHousing

This base housing is designed to perfectly fit on the base of the EN500, EX500, or EX550 enclosures and accommodate additional components such as batteries, relays, etc. It screws directly onto the drilled and tapped internal mounting holes located on the base of the enclosure. It comes with (3) connector openings to provide a total of (6) terminal connections, as well as openings for (1) 2-pin connector and (1) 14-pin ribbon cable header. A slot to hold a C-cell battery is also available.



**EA500-BaseHousing**



**EA500-BaseHousing with PCB**

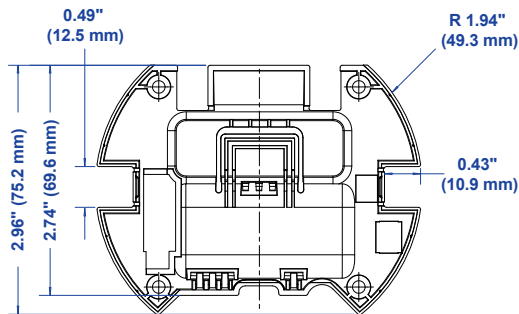


**EA500-BaseHousing  
Installed on the Base of EX500 Enclosure**

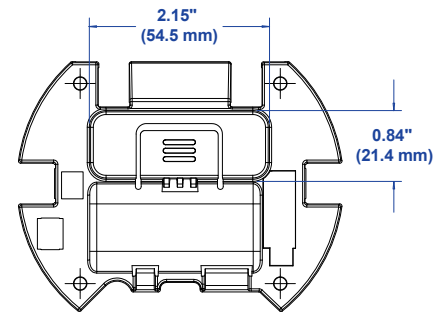


**EA500-BaseHousing with PCB,  
Installed on the Base of EX500 Enclosure**

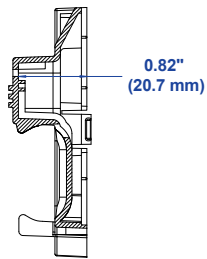
## EA500-BASEHOUSING DIMENSIONS



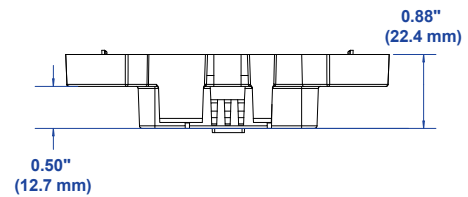
Front Piece Side



Front Piece Side



Front Piece Side



Front Piece Side

**CAD Drawings**

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

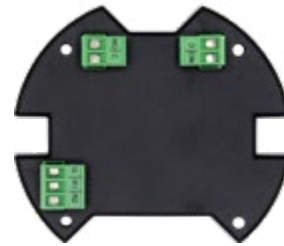
### EA500-BaseHousing3

This base housing is designed to perfectly fit on the base of the EN500, EX500, or EX550 enclosures and accommodate additional components such as relays, etc. It screws directly onto the drilled and tapped internal mounting holes located on the base of the enclosure. It comes with (3) connector openings to provide a total of (7) terminal connections.

(3) Connector Openings



**EA500-BaseHousing3**



**EA500-BaseHousing3 with PCB**

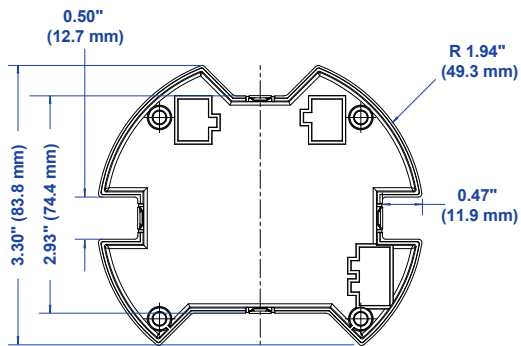


**EA500-BaseHousing3  
Installed on the Base of EX500 Enclosure**

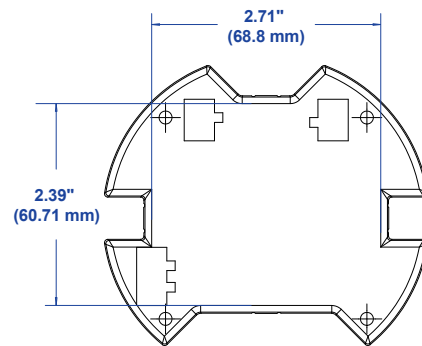


**EA500-BaseHousing3 with PCB,  
Installed on the Base of EX500 Enclosure**

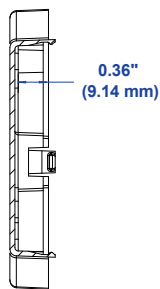
## EA500-BASEHOUSING3 DIMENSIONS



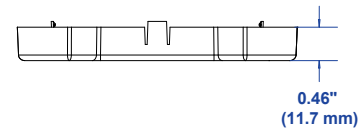
Front Piece Side



Front Piece Side



Front Piece Side



Front Piece Side

**CAD Drawings**

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Specifications

## EA500-BASEHOUSING

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	(3) Terminal, (1) 2-pin connector, and (1) 14-pin ribbon cable header
<b>Number of Terminals</b>	6
<b>Terminal Size</b>	3.81 mm (2), 5.0 mm (4)
<b>Battery Slot</b>	(1) C-cell battery slot
<b>Compatibility</b>	EN500, EX500, EX550

## EA500-BASEHOUSING3

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Number of Connector Openings</b>	3
<b>Number of Terminals</b>	7
<b>Terminal Size</b>	3.81 mm (2), 5.0 mm (4)
<b>Compatibility</b>	EN500, EX500, EX550

## EA500-BHSCREWS

<b>Material</b>	316 Stainless Steel
<b>Screw Type</b>	Phillips Pan Head #6x5/8 SEMS (integrated external star lock washer)
<b>Compatibility</b>	EA500-BaseHousing, and EA500-BaseHousing3
<b>Quantity</b>	Bags of 500, 1,000, or 2,000 Screws

## Ordering Information

SKU	Description
<b>Base Housings for EN500, EX500, and EX550</b>	
EA500-BaseHousing	Plastic Base Housing for EN500, EX500, and EX550 Enclosures with (3) Terminal, (1) 2-Pin Connector, and (1) 14-Pin Ribbon Cable Header Openings, and (1) C-Cell Battery Slot
EA500-BaseHousing3	Plastic Base Housing for EN500, EX500, and EX550 Enclosures with (3) Terminal Openings
<b>Screws for Base Housings</b>	
EA500-BHScrews-##	Screws Used for EA500-BaseHousing and EA500-BaseHousing3

**Note:** Replace ## with desired quantity number of either 500, 1000, or 5000 (e.g. EA500-BHScrews-1000).



## Nameplates

Nameplates are available in aluminum or stainless steel and can be installed on the nameplate galleries of aluminum and stainless steel enclosures. Screws to attach the nameplate to an enclosure (EA-PlateScrews) are sold separately.



**EA200-AL-NP**  
Aluminum Nameplate for EX200 Enclosures



**EA200-SS-NP**  
Stainless Steel Nameplate for EX200 Enclosures



**EA500-AL-NP**  
Aluminum Nameplate for EX500 Enclosures



**EA500-SS-NP**  
Stainless Steel Nameplate for EX500 Enclosures



**EA700-AL-NP**  
Aluminum Nameplate for EX700 Enclosures



**EA700-SS-NP**  
Stainless Steel Nameplate for EX700 Enclosures



**EA550-AL-NP**  
Aluminum Nameplate for EX550 Enclosures



**EA-PlateScrews** Stainless Steel Screws  
for All Nameplates

## Factory Attached Nameplate

All ExDirect agency approved enclosures are shipped with an aluminum nameplate (for aluminum enclosures) or a stainless steel nameplate (for stainless steel enclosures) that specifies the approvals granted for the enclosure and other information. This nameplate is attached to one of the two nameplate galleries. The other gallery has no factory installed nameplate.

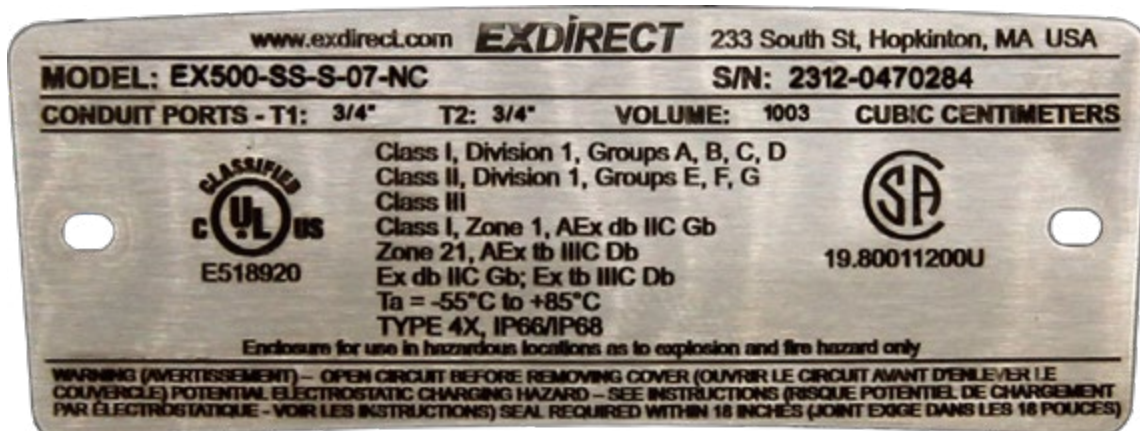
**IMPORTANT:** Customer may do one of the following with the attached nameplate:

1. Keep. Agency approvals apply to enclosure only.
2. Remove. Enclosure is no longer agency approved.
3. Replace. Add customer's own with full product agency approvals.

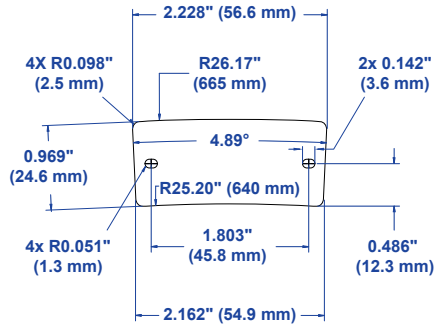


## Nameplate Laser Engraving

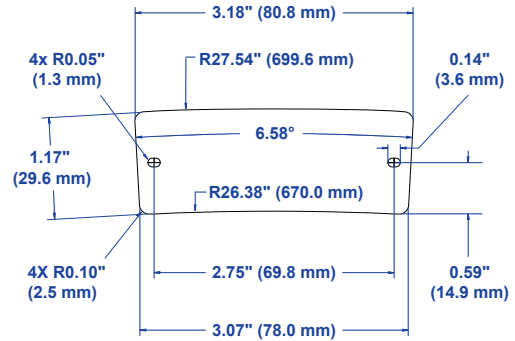
ExDirect can provide custom laser engraving for aluminum and stainless steel nameplates per customer specification. Please contact us for details and to get a quote.



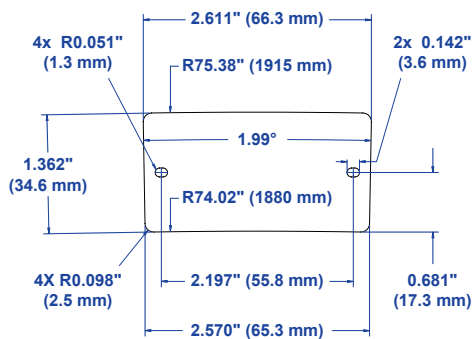
## Nameplates Dimensions



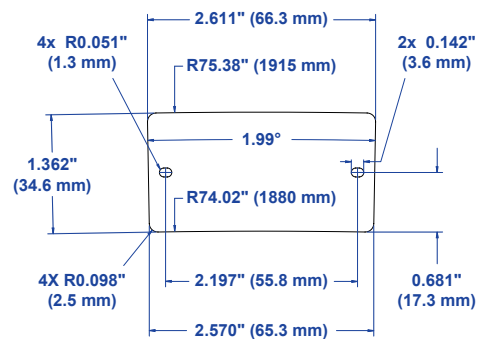
**EA200-AL-NP**  
**EA200-SS-NP**



**EA500-AL-NP**  
**EA500-SS-NP**



**EA550-AL-NP**



**EA700-AL-NP**  
**EA700-SS-NP**



### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Nameplates Specifications

## EA200 NAMEPLATES

<b>Dimensions</b>	2.23" x 0.97" (57 x 25 mm)
<b>Material</b>	EA200-AL-NP: 6061 (UNS A96061) aluminum plate, 24 gauge (0.5 mm thick), black anodize  EA200-SS-NP: 316 stainless steel plate, 26 gauge (0.475 mm thick)
<b>Compatibility</b>	All EX200 enclosures

## EA500 NAMEPLATES

<b>Dimensions</b>	3.18" x 1.17" (81 x 30 mm)
<b>Material</b>	EA500-AL-NP: 6061 (UNS A96061) aluminum plate, 24 gauge (0.5 mm thick), black anodize  EA500-SS-NP: 316 stainless steel plate, 26 gauge (0.475 mm thick)
<b>Compatibility</b>	All EX500 enclosures

## EA550 NAMEPLATE

<b>Dimensions</b>	2.61" x 1.36" (66 x 35 mm)
<b>Material</b>	6061 (UNS A96061) aluminum plate, 24 gauge (0.5 mm thick), black anodize
<b>Compatibility</b>	All EX550 enclosures

## EA700 NAMEPLATES

<b>Dimensions</b>	2.61" x 1.36" (66 x 35 mm)
<b>Material</b>	EA700-AL-NP: 6061 (UNS A96061) aluminum plate, 24 gauge (0.5 mm thick), black anodize  EA700-SS-NP: 316 stainless steel plate, 26 gauge (0.475 mm thick)
<b>Compatibility</b>	All EX700 enclosures

## NAMEPLATE SCREWS (EA-PLATESCREWS)

<b>Type</b>	#2-56 x 3.2 mm Torx/Torx Plus/Star thin head machine screw
<b>Material</b>	316 stainless steel
<b>Compatibility</b>	All nameplates
<b>Quantity</b>	Bags of 500, 1,000, or 5,000

## Nameplates Ordering Information

SKU	Description
<b>Blank Nameplates</b>	
EA200-AL-NP	Blank Aluminum Nameplate for EX200 Enclosures
EA200-SS-NP	Blank Stainless Steel Nameplate for EX200 Enclosures
EA500-AL-NP	Blank Aluminum Nameplate for EX500 Enclosures
EA500-SS-NP	Blank Stainless Steel Nameplate for EX500 Enclosures
EA550-AL-NP	Blank Aluminum Nameplate for EX550 Enclosures
EA700-AL-NP	Blank Aluminum Nameplate for EX700 Enclosures
EA700-SS-NP	Blank Stainless Steel Nameplate for EX700 Enclosures
<b>Custom Laser Engraved Nameplates</b>	
EA200-AL-NP-XX <sup>1</sup>	Custom Laser Engraved Aluminum Nameplate for EX200 Enclosures
EA200-SS-NP-XX <sup>1</sup>	Custom Laser Engraved Stainless Steel Nameplate for EX200 Enclosures
EA500-AL-NP-XX <sup>1</sup>	Custom Laser Engraved Aluminum Nameplate for EX500 Enclosures
EA500-SS-NP-XX <sup>1</sup>	Custom Laser Engraved Stainless Steel Nameplate for EX500 Enclosures
EA550-AL-NP-XX <sup>1</sup>	Custom Laser Engraved Aluminum Nameplate for EX550 Enclosures
EA700-AL-NP-XX <sup>1</sup>	Custom Laser Engraved Aluminum Nameplate for EX700 Enclosures
EA700-SS-NP-XX <sup>1</sup>	Custom Laser Engraved Stainless Steel Nameplate for EX700 Enclosures
<b>Nameplate Screws</b>	
EA-PlateScrews-## <sup>2</sup>	Screws Used for Nameplates

1. XX denotes a factory assigned two-letter code for each customer. Please contact us for details on custom engraved nameplates and to get a quote.
2. Replace ## with desired quantity number of either 500, 1000, or 5000 (e.g. EA-PlateScrews-1000).

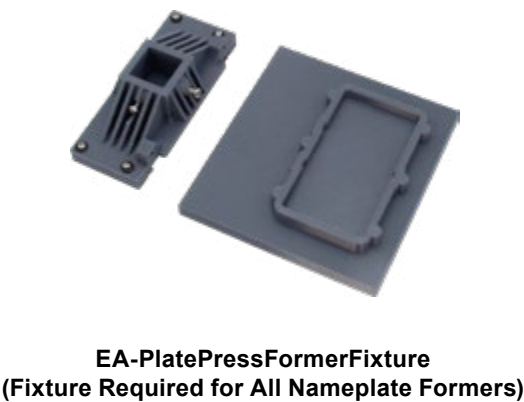
Nameplate Formers and Fixture

Nameplates can be molded to fit the curvature of the enclosure using a Nameplate Former as well as a Fixture (EA-PlatePressFormerFixture) that attaches to a small arbor press (not included). This process precisely shapes the Nameplates so that they can be installed on the enclosure's nameplate galleries.

Models

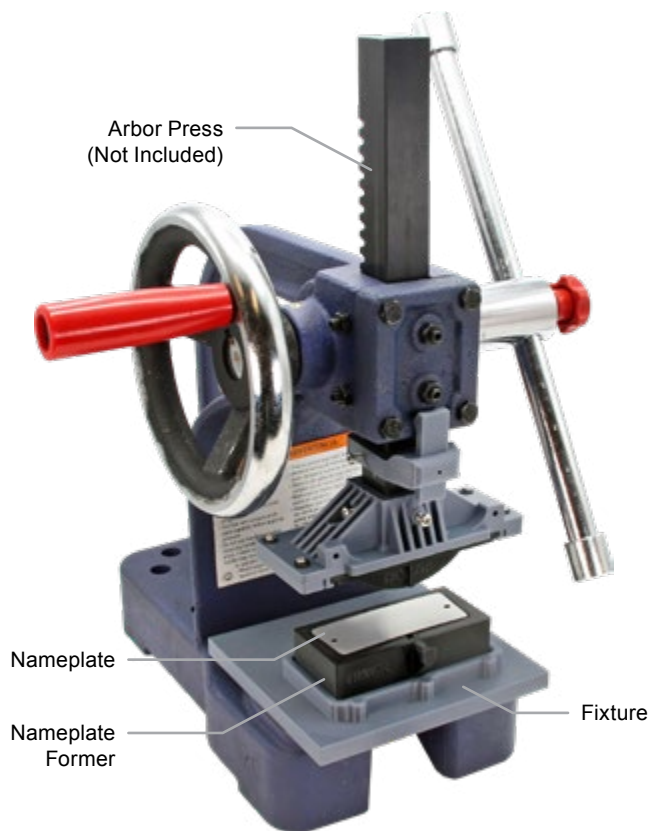


Fixture



Ordering Information

SKU	Description
Nameplate Formers	
EA200-PlatePressFormer	Nameplate Former for EA200 Nameplates
EA500-PlatePressFormer	Nameplate Former for EA500 Nameplates
EA550-PlatePressFormer	Nameplate Former for EA550 Nameplates
EA700-PlatePressFormer	Nameplate Former for EA700 Nameplates
Fixture	
EA-PlatePressFormerFixture	Fixture Required for All Nameplate Formers



Nameplate Former and Fixture Attached to Arbor Press



## Rail Caps and Screws

The rail caps make it easy to attach and remove an electronics PCB to an ExDirect enclosure without additional hardware or tools. They are available for EN500, EX500, EX550, and EX700 enclosures in bags of 500, 1,000, and 5,000.

### Models



EA500-RailCaps



EA500-RailScrews



EA700-RailCaps



EA700-RailScrews

### Ordering Information

SKU	Description
<b>Rail Caps</b>	
EA500-RailCaps-##	Rail Caps for EN500, EX500, and EX550 Enclosures
EA700-RailCaps-##	Rail Caps for EX700 Enclosures
<b>Rail Screws</b>	
EA500-RailScrews-##	Rail Screws for EN500, EX500, and EX550 Enclosures
EA700-RailScrews-##	Rail Screws for EX700 Enclosures

**Note:** Replace ## with desired quantity number of either 500, 1000, or 5000 (e.g. EA500-RailCaps-1000).

### Specifications

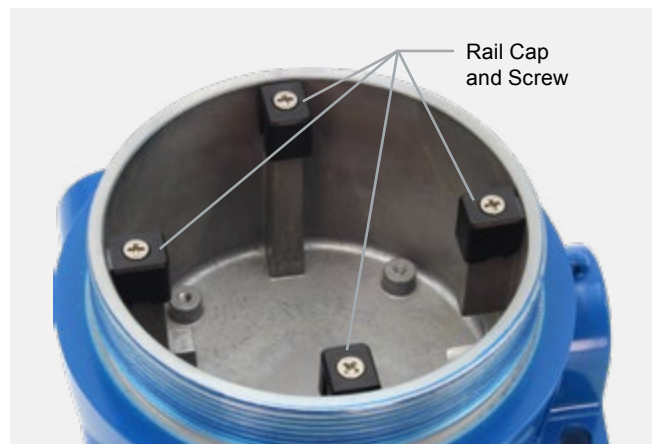
#### RAIL CAPS

<b>Material</b>	Virgin PPE+PS blend Sabic Noryl N190X
<b>Color</b>	Black
<b>Quantity</b>	Bags of 500, 1,000, or 5,000

#### SCREWS

<b>Material</b>	316 stainless steel
<b>Type</b>	#6-32 x 3/8" Phillips flat head machine screw
<b>Quantity</b>	Bags of 500, 1,000, or 5,000

### Installation

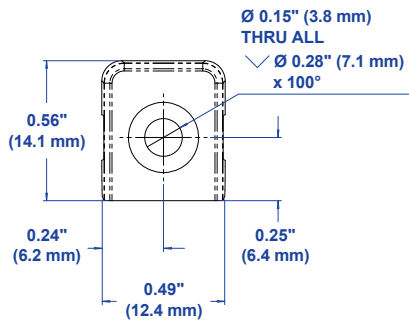


Rail Caps Installed on EX500 Built-In Rails

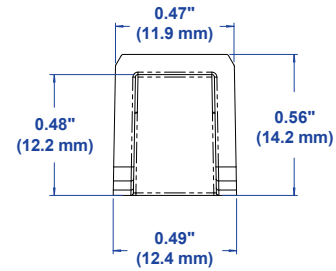


Rail Caps Allow Easy and Secure Mounting of a Display Housing on the Enclosure

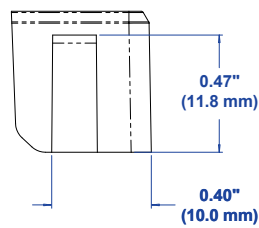
## EA500-RailCaps Dimensions



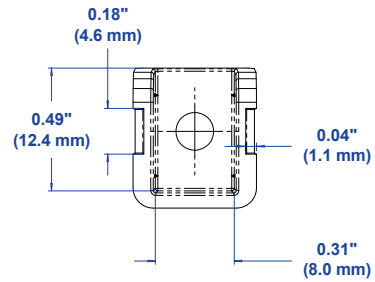
Front Piece Side



Front Piece Side



Front Piece Side



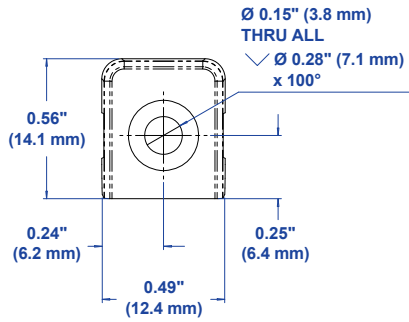
Front Piece Side



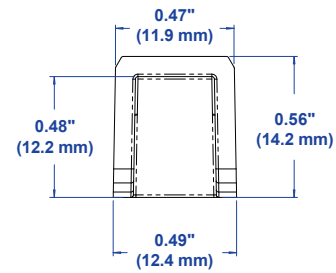
### CAD Drawings

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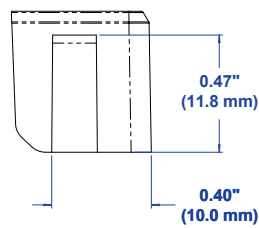
## EA700-RailCaps Dimensions



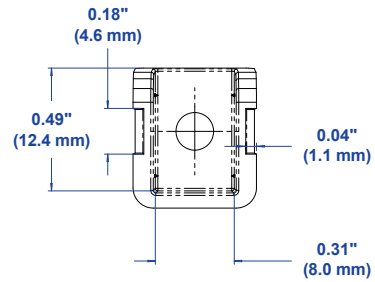
Front Piece Side



Front Piece Side



Front Piece Side



Front Piece Side



### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)

## Conduit Accessories

Conduit plugs, adapters, and reducers with agency approvals are available.

### Conduit Reducers



**PDAREDUCER-  
75M-50F**



**PDAREDUCER-  
75M-M20F**

### Conduit Adapters



**PDAADAPTER-  
50M-75F**



**PDAADAPTER-  
50M-M20F**

### Conduit Plugs



**PDAPLUG50**



**PDAPLUG75**



**PDAPLUGM20**



**PDAPLUG75P**

### Ordering Information

SKU	Description
<b>Reducers</b>	
PDAREDUCER-75M-M20F	M-3/4" NPT to F-M20 Reducer with Approvals
PDAREDUCER-75M-50F	M-3/4" NPT to F-1/2" NPT Reducer with Approvals
<b>Adapters</b>	
PDAADAPTER-50M-75F	M-1/2" NPT to F-3/4" NPT Adapter with Approvals
PDAADAPTER-50M-M20F	M-1/2" NPT to F-M20 Adapter with Approvals
<b>Conduit Plugs</b>	
PDAPLUG50	1/2" NPT 316 SS Conduit Plug with Approvals
PDAPLUG75	3/4" NPT 316 SS Conduit Plug with Approvals
PDAPLUG75P	3/4" NPT Plastic Conduit Plug (for EN500 Enclosure Only)
PDAPLUGM20	M20 316 SS Conduit Plug with Approvals



**PDAPLUG75 Installed on EX500 Enclosure**

## Cardinal EX200 Packaging

ExDirect's EX200 packaging solutions provide eco-friendly packaging for your ExDirect enclosure-using product. These time and money saving solutions consist of a custom white corrugated box and an air cushioning sheet to be inflated at your facility with a small air compressor. Both boxes and air cushioning sheets are sold separately in packs of 100, 500, or 1,000 pieces. The ExDirect enclosure ships in a brown corrugated box with no additional packaging.



**Box and Air Cushion Sheet  
Packaging for EX200 Enclosures**



**Product Using EX200 Enclosure Wrapped in  
Air Cushion Inside a Box (EP200-BOX)**



**Product Using EX200 Enclosure Wrapped in  
Air Cushion (EP200-ACS)**

## Specifications

### EP200-BOX

<b>Inside Dimensions</b>	7.00" x 5.50" x 7.00" (177.8 x 139.7 x 177.8 mm) (W x H x D)
<b>Flat Dimensions</b>	15.0625" x 12.9375" (382.6 x 328.6 mm)
<b>Test</b>	ECT 44 (holds up to 65 lbs)
<b>Color</b>	White
<b>Weight for (1) Box</b>	0.33 lbs (0.15kg)
<b>Compatibility</b>	EX200 enclosures
<b>Quantity</b>	Pack of 100, 500, or 1,000 boxes

### EP200-ACS

<b>Dimensions</b>	12.50" x 13.8125" (317.5 x 350.8 mm)
<b>Recommended PSI</b>	12-14 PSI (Inflated by customer)
<b>Weight</b>	0.09 lbs (0.04kg)
<b>Compatibility</b>	EP200 boxes
<b>Quantity</b>	Pack of 100, 500, or 1,000 air cushion sheets

## Ordering Information

SKU	Description
<b>Boxes</b>	
EP200-BOX-##	Boxes for EX200 Enclosures
<b>Air Cushioning</b>	
EP200-ACS-##	Air Cushion Sheets Uninflated for EP200 Boxes

**Note:** Replace ## with desired quantity number of either 100, 500, or 1000 (e.g. EP200-BOX-1000).



## Hawk EN500 & EX500 Packaging

ExDirect's EN500 & EX500 packaging solutions provide eco-friendly packaging for your ExDirect enclosure-using product. These time and money saving solutions consist of a custom white corrugated box and an air cushioning sheet to be inflated at your facility with a small air compressor. Both boxes and air cushioning sheets are sold separately in packs of 100, 500, or 1,000 pieces. The ExDirect enclosure ships in a brown corrugated box with no additional packaging.



**Box and Air Cushion Sheet  
Packaging for EN500 and EX500 Enclosures**



**Product Using EX500 Enclosure Wrapped in  
Air Cushion Inside a Box (EP500-BOX)**



**Product Using EX500 Enclosure Wrapped in  
Air Cushion (EP500-ACS)**

### Specifications

#### EP500-BOX

<b>Inside Dimensions</b>	10.25" x 7.875" x 9.00" (260.4 x 200.0 x 228.6 mm) (W x H x D)
<b>Flat Dimensions</b>	20.0625" x 16.9375" (509.6 x 430.2 mm)
<b>Test</b>	ECT 44 (holds up to 65 lbs)
<b>Color</b>	White
<b>Weight for (1) Box</b>	0.79 lbs (0.36kg)
<b>Compatibility</b>	EN500 and EX500 enclosures
<b>Quantity</b>	Pack of 100, 500, or 1,000 boxes

#### EP500-ACS

<b>Dimensions</b>	17.6875" x 17.75" (449.3 x 450.9 mm)
<b>Recommended PSI</b>	12-14 PSI (Inflated by customer)
<b>Weight</b>	0.13 lbs (0.06kg)
<b>Compatibility</b>	EP500 boxes
<b>Quantity</b>	Pack of 100, 500, or 1,000 air cushion sheets

### Ordering Information

SKU	Description
<b>Boxes</b>	
EP500-BOX-##	Boxes for EN500 and EX500 Enclosures
<b>Air Cushioning</b>	
EP500-ACS-##	Air Cushion Sheets Uninflated for EP500 Boxes

**Note:** Replace ## with desired quantity number of either 100, 500, or 1000 (e.g. EP500-BOX-1000).

## Condor EX700 Packaging

ExDirect's EX700 packaging solutions provide eco-friendly packaging for your ExDirect enclosure-using product. These time and money saving solutions consist of a custom white corrugated box and an air cushioning sheet to be inflated at your facility with a small air compressor. Both boxes and air cushioning sheets are sold separately in packs of 100, 500, or 1,000 pieces. The ExDirect enclosure ships in a brown corrugated box with no additional packaging.



**Box and Air Cushion Sheet  
Packaging for EX700 Enclosures**



**Product Using EX700 Enclosure Wrapped in Inner and  
Outer Air Cushions Inside a Box (EP700-BOX)**



**Product Using EX700 Enclosure Wrapped in Inner and  
Outer Air Cushions (EP700-ACS)**

## Specifications

### EP700-BOX

<b>Inside Dimensions</b>	10.25" x 13.50" x 9.25" (260.4 x 343.0 x 235.0 mm) (W x H x D)
<b>Flat Dimensions</b>	20.8125" x 22.9375" (528.6 x 582.6 mm)
<b>Test</b>	ECT 44 (holds up to 65 lbs)
<b>Color</b>	White
<b>Weight for (1) Box</b>	0.88 lbs (0.40kg)
<b>Compatibility</b>	EX700 enclosures
<b>Quantity</b>	Pack of 100, 500, or 1,000 boxes

### EP700-ACS

<b>Dimensions</b>	Inner air cushion: 15.50" x 8.25" (393.7 x 209.6 mm)  Outer air cushion: 21.25" x 24.00" (539.8 x 609.6 mm)
<b>Recommended PSI</b>	12-14 PSI (Inflated by customer)
<b>Weight</b>	0.31 lbs (0.14kg)
<b>Compatibility</b>	EP700 boxes
<b>Quantity</b>	Pack of 100, 500, or 1,000 inner and outer air cushions sheets

## Ordering Information

SKU	Description
<b>Boxes</b>	
EP700-BOX-##	Boxes for EX700 Enclosures
<b>Air Cushioning</b>	
EP700-ACS-##	Inner and Outer Air Cushion Sheets Uninflated for EP700 Boxes

**Note:** Replace ## with desired quantity number of either 100, 500, or 1000 (e.g. EP700-BOX-1000).

Now Open  
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Online  
Store



In Stock or  
**Quick**  
Lead  
Times



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### CAD Drawings

To view 2D CAD drawings or to request  
3D CAD drawings, please visit  
[www.exdirect.com](http://www.exdirect.com)



**WARNING**  
Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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