

# IP68 EMI/RFI General Purpose Enclosures Technical Specification

Enhanced EMI/RFI protection is offered through the incorporation of a semi-conductive sealing mechanism which maintains conductivity between the lid and the enclosure, whilst preventing ingress of dust and water.

15 sizes are available, complete with silicone gasket, captive screws, earth screws and PCB guides on selected sizes. Nine sizes are also available with flanges for easy mounting.

Deltron Enclosures can customise any enclosure in our UK factory, including machining, painting, finishing, component sourcing and installation to meet your specification, save time and cut your costs. View our Services page on our website for more information.



**For more information:**

Phone: +44 (0)1724 273206

## Features:

- Enhanced EMI/RFI Protection
- IP68 Rated
- Manufactured from ADC12
- Certified to BS EN 60529:1992
- Silicone Seal

## Typical Applications:

- Marine
- Water Treatment
- Military
- Food Processing
- Aerospace

## Available Dimensions:

89 x 35 x 31*	114 x 64 x 31*
114 x 89 x 56*	114 x 65 x 56*
172 x 121 x 56*	172 x 121 x 107*
222 x 146 x 56*	222 x 146 x 107
275 x 175 x 66	140 x 102 x 77*
165 x 127 x 77	120 x 100 x 36*
250 x 250 x 100	80 x 55 x 26
60 x 55 x 31	*= Available with Flanges

**Finishes:** Plain Aluminium, Powder or Nylon coat.

**Coating Colours:** Grey, Blue or Black.

**Spares:** Gaskets and Screws.

Or choose to have your enclosure customised for bespoke finishes and colours.

## DEM Manufacturing

Deltron Emcon House,  
Hargreaves Way,  
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Scunthorpe, DN15 8RF.

**DELTRON** Enclosures 

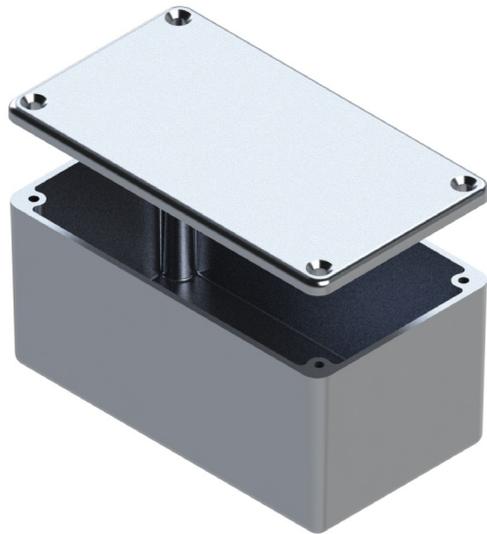
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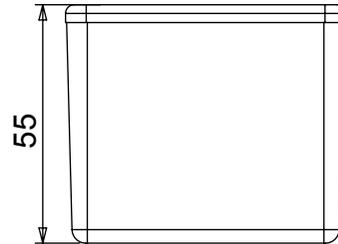
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REV	DATE	ECN NUMBER	ECR COMMENT	3	4	5	6	7
004	06 Jun 2017	C03614	TORQUE SETTINGS ADDED					

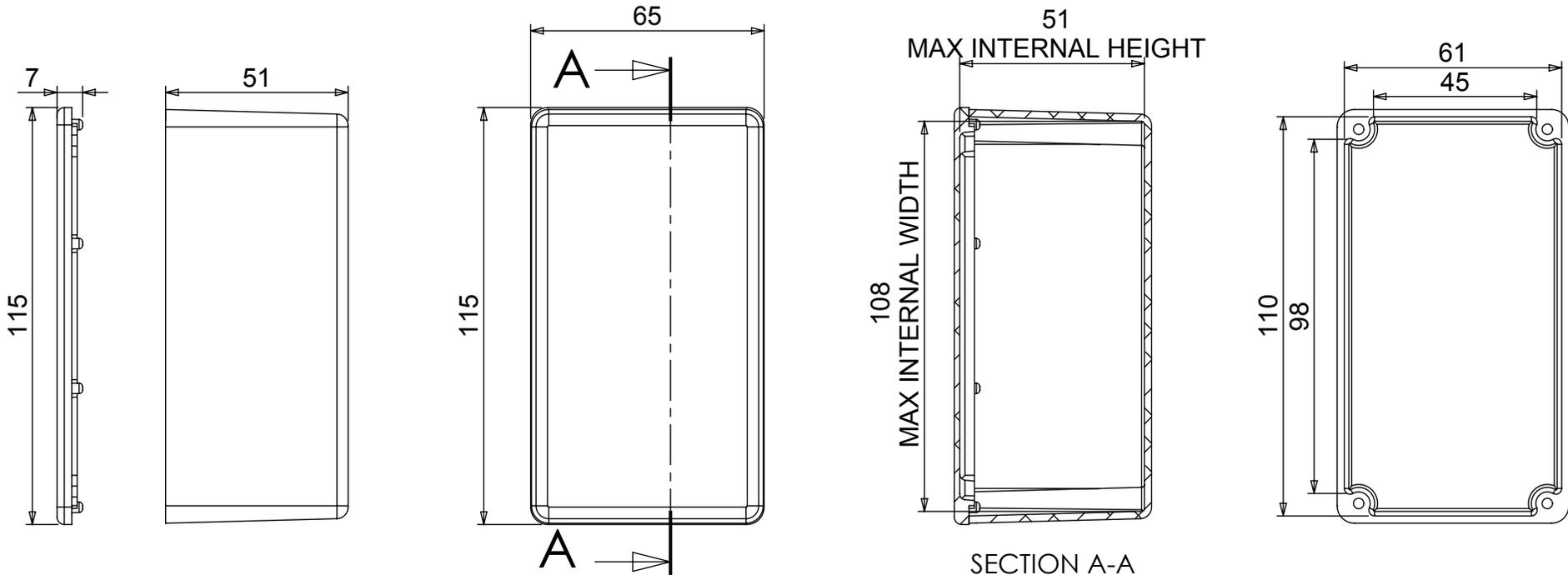


LENGTH	WIDTH	HEIGHT	SEAL	TORQUE SETTINGS	PLAIN	POWDER COAT	NYLON COAT
115	65	55	NONE	NONE	459-0040	461-0040*	462-0040*
			IP66	0.3Nm	460-0040	453-0040*	454-0040*
			IP68	0.7Nm	480-0040	481-0040*	482-0040*
			IP68 EMI/RFI	1.0Nm	480-C040	481-C040*	482-C040*
BOX DIMENSION IN MM			COLOUR OPTION - COLOUR SUFFIX * GREY=A / BLUE=B / BLACK = E				



**STANDARD DUTY ENCLOSURE**

- Material grade ADC12/LM2 Die Cast Alloy
- IP Rated available
- Min wall thickness 1.5mm
- Min lid thickness 1.5mm
- Fine textured powder coating and smooth nylon
- Screws stainless steel
- IP68 Tested to 5 metres for 1 hour
- Enclosures can be supplied fully factory customised to your specification



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES  
 LINEAR & RADIAL TOLERANCE:  
**NO DECIMAL PLACES**  
**1 DECIMAL PLACE**  
**2 DECIMAL PLACES**  
**ANGULAR TOLERANCE:**

**IF IN DOUBT ASK! DO NOT SCALE DRAWING!**

FINISH: SEE NOTES  
 MATERIAL: ALUMINIUM ALLOY

THE FINISHED PRODUCT SHOULD BE CLEAN AND FREE FROM ALL LIQUIDS AND DEBRIS. SURFACES SHOULD BE OF UNIFORM APPEARANCE FREE FROM SHARP EDGES, BURRS AND CORROSION

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