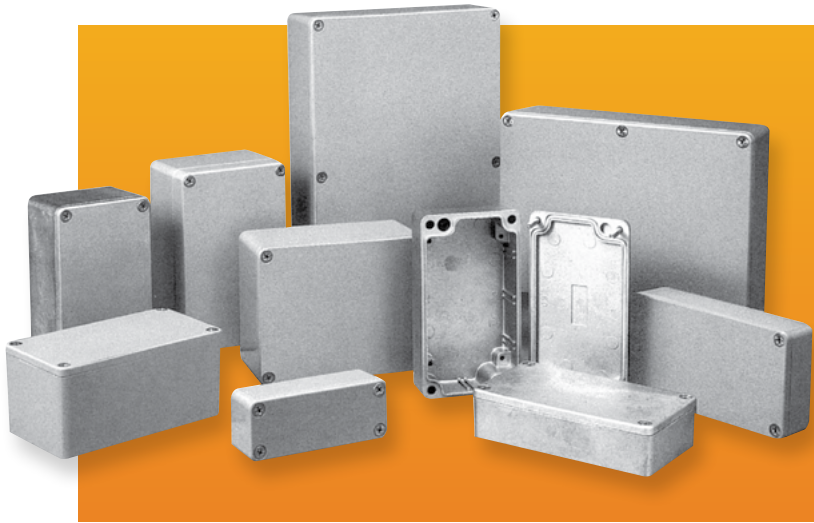




Sealed Die-Cast Aluminum Enclosures

Die-cast in aluminum alloy and resistant to atmospheric and marine corrosion, these enclosures are ideal for housing sensitive electronic assemblies and pneumatic, hydraulic, and electrical devices in wet and dirty commercial and industrial environments.

DESIGN FEATURES

- Designed to IP65 of IEC 529 and NEMA 1, 2, 4, 4X, 12, and 13 specifications.
- Wallmounting holes (on Style A) and cover attaching screws are outside the sealing area, preventing ingress of moisture and dust. (Style B does not have wallmounting holes).
- Cover incorporates a recessed gasket.
- Internal bosses for mounting PCBs horizontally or for connecting terminals, ground, etc. (Requires hardware kit #57-58, ordered separately).
- Most models have internal guide slots for mounting PCB assemblies vertically.
- Cover mounting holes are roll threaded and screws are recessed.
- Tested and passed UL508-4 requirements.
- 80°C maximum operating temperature.
- Optional brackets. See page "Die-Cast External Mounting Brackets" on page 48.

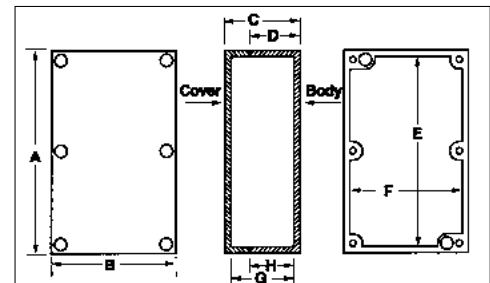
SPECIFICATIONS

- Body & cover: Aluminum Alloy #ADC-12.
- Gasket: Silicone.
- Cover Screws: M4 Stainless Steel, non-magnetic.

FINISHES

- Natural finish or Gray (add suffix G).
- All sizes are available in natural finish. Some sizes are also available in smooth gray powder-coat finish as standard stocking items.

For enclosures with external mounting brackets, see page 47.



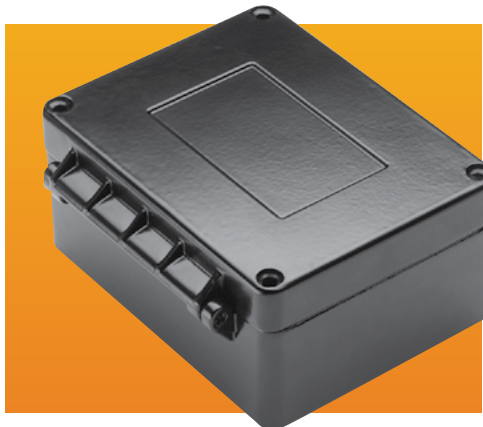
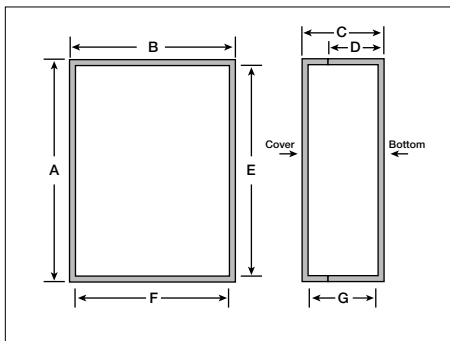
Catalog Numbers		External Dimensions				Internal Dimensions*				Internal Grounding or PCB Mounting Holes		Wall Thickness	Wt. Oz.
Style A	Style B	A	B	C	D	E	F	G	H	0.125" Dia. ¹	0.136" Dia. ¹		
	AN-1300	3.54"	1.42"	1.18"	0.98"	3.17"	1.04"	0.97"	0.87"	2	0	0.11"	5
	AN-1301	2.52"	2.28"	1.38"	1.17"	2.19"	1.95"	1.17"	1.07"	2	0	0.13"	5
	AN-1302	4.53"	2.56"	1.18"	0.98"	4.13"	2.15"	0.98"	0.88"	4	0	0.13"	8
	AN-1303	4.53"	2.56"	2.17"	1.96"	4.03"	2.07"	1.96"	1.86"	4	0	0.13"	12
	AN-1304	4.53"	3.54"	2.17"	1.96"	4.01"	3.03"	1.96"	1.86"	4	0	0.13"	14
	AN-1305	5.83"	4.25"	2.95"	2.52"	5.34"	3.76"	2.71"	2.42"	4	0	0.13"	24
	AN-1306	6.73"	4.76"	2.17"	1.73"	6.27"	4.30"	1.89"	1.60"	4	0	0.13"	24
	AN-1307	8.75"	5.75"	2.17"	1.98"	8.27"	5.29"	1.95"	1.85"	4	0	0.12"	49
	AN-1308	8.75"	5.75"	3.25"	1.98"	8.27"	5.29"	3.02"	1.85"	4	0	0.12"	70
	AN-1309	4.75"	4.75"	4.00"	3.20"	4.38"	4.38"	3.80"	3.10"	4	0	0.13"	30
	AN-1310	6.25"	6.25"	4.00"	3.20"	5.88"	5.88"	3.80"	3.10"	4	0	0.13"	35
	AN-1311	1.97"	1.77"	1.12"	0.89"	1.78"	1.58"	0.93"	0.77"	0	1	0.12"	2.6
	AN-1312	3.85"	2.52"	1.35"	0.99"	3.61"	2.28"	1.12"	0.87"	0	4	0.12"	6.9
	AN-1313	4.90"	3.14"	1.59"	0.99"	4.60"	2.83"	1.36"	0.87"	3	4	0.12"	12.5
	AN-1314	4.90"	3.14"	2.26"	1.67"	4.60"	2.83"	2.03"	1.54"	3	4	0.12"	15.1
	AN-1315	5.91"	2.52"	1.45"	1.04"	5.63"	2.24"	1.13"	0.88"	0	4	0.15"	12.5
	AN-1316	6.29"	3.93"	2.37"	1.58"	5.98"	3.62"	2.13"	1.46"	1	6	0.12"	22.9
	AN-1317	6.29"	3.93"	3.19"	2.40"	5.98"	3.62"	2.95"	2.28"	1	6	0.12"	27.4
	AN-1318	2.19"	1.61"	1.22"	1.06"	1.91"	1.34"	1.10"	1.00"	1	0	0.06"	1.9
	AN-1319	3.13"	2.93"	2.05"	1.58"	2.85"	2.65"	1.91"	1.51"	6	0	0.07"	8
	AN-1320	4.04"	2.07"	1.00"	0.85"	3.79"	1.80"	0.87"	0.78"	2	0	0.07"	3.4
	AN-1321	6.89"	3.15"	2.36"	1.58"	6.61"	2.86"	2.22"	1.51"	2	0	0.07"	16.3
	AN-1322	7.87"	4.72"	2.95"	2.17"	7.56"	4.43"	2.81"	2.10"	12	0	0.07"	27.2
	AN-1323	10.24"	6.30"	3.56"	2.78"	9.84"	5.93"	3.39"	2.71"	17	0	0.07"	54.8

* Reference Only - Request drawing for internal configuration and dimensions.

¹ Use hardware kit #57-58 (contains [4] M3.5 × 6mm self tapping screws, [4] M3.5 lock washers, [4] M4 × 6mm self tapping screws, and [4] M4 lock washers).

AN-SERIES

NEMA DIE-CAST ALUMINUM BOX WITH HINGED COVER



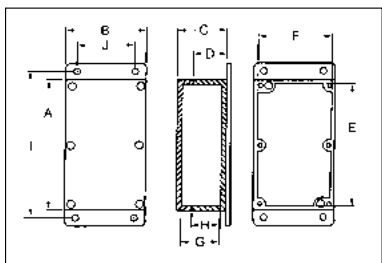
DESIGN FEATURES

- Hinged cover allows for easy access without risk of damage to cover
- External mounting brackets (included) allow the box to be mounted on a wall or panel without having to remove the cover and expose internal components to the environment
- Rugged aluminum alloy die-cast box with NEMA 1, 2, 4, 4X, 12, and 13 and IP65 ratings
- Available in black powder coat finish
- Gasketed cover attaches with screws
- Easily machined and modified to your particular requirements

FINISH

- Smooth black powdercoat

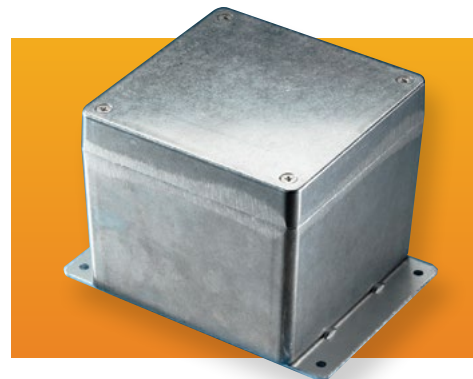
Catalog No. NEMA Hinged	External Dimensions				Internal Dim.			Wt. Oz.
	A	B	C	D	E	F	G	
AN-2900	3.95"	3.04"	1.98"	1.39"	3.69"	2.43"	1.73"	9.75
AN-2901	4.54"	3.88"	2.19"	1.60"	4.28"	3.28"	1.93"	14.20



DIE-CAST ALUMINUM BOXES

AN-SERIES

NEMA DIE-CAST ALUMINUM BOX WITH MOUNTING BRACKET



Catalog Numbers	External Dimensions				Internal Dimensions*				Mtg. Dim.		Internal Grounding or PCB Mounting Holes .125" Dia. ¹	Wall Thickness	Wt. Oz.
	A	B	C	D	E	F	G	H	I	J			
AN-2800	3.54"	1.42"	1.18"	.98"	3.17"	1.04"	.97"	.87"	4.25"	—	2	.11"	6.0
AN-2801	2.52"	2.28"	1.38"	1.17"	2.19"	1.95"	1.17"	1.07"	3.13"	1.25"	2	.13"	6.0
AN-2802	4.53"	2.56"	1.18"	.98"	4.13"	2.15"	.98"	.88"	5.19"	1.62"	4	.13"	10.0
AN-2803	4.53"	2.56"	2.17"	1.96"	4.03"	2.07"	1.96"	1.86"	5.19"	1.62"	4	.13"	14.0
AN-2804	4.53"	3.54"	2.17"	1.96"	4.01"	3.03"	1.96"	1.86"	5.25"	2.56"	4	.13"	16.0
AN-2805	5.83"	4.25"	2.95"	2.52"	5.34"	3.76"	2.71"	2.42"	6.38"	3.25"	4	.13"	28.0
AN-2806	6.73"	4.76"	2.17"	1.73"	6.27"	4.30"	1.89"	1.60"	7.38"	3.81"	4	.13"	28.0
AN-2807	8.75"	5.75"	2.17"	1.98"	8.27"	5.29"	1.95"	1.85"	9.38"	4.75"	4	.12"	57.0
AN-2808	8.75"	5.75"	3.25"	1.98"	8.27"	5.29"	3.07"	1.85"	9.38"	4.75"	4	.12"	78.0
AN-2809	4.75"	4.75"	4.00"	3.20"	4.38"	4.38"	3.80"	3.10"	5.25"	3.25"	4	.13"	33.5
AN-2810	6.25"	6.25"	4.00"	3.20"	5.88"	5.88"	3.80"	3.10"	6.75"	5.12"	4	.13"	40.0
AN-2811	1.97"	1.77"	1.12"	.89"	1.78"	1.58"	.93"	.77"	2.63"	.87"	1	.12"	3.6
AN-2812	3.85"	2.52"	1.35"	.99"	3.61"	2.28"	1.12"	.87"	4.50"	1.62"	2	.12"	9.0
AN-2813	4.90"	3.14"	1.59"	.99"	4.60"	2.83"	1.36"	.87"	5.56"	2.25"	6	.12"	16.0
AN-2814	4.90"	3.14"	2.26"	1.67"	4.60"	2.83"	2.03"	1.54"	5.62"	2.25"	6	.12"	18.5
AN-2815	5.91"	2.52"	1.45"	1.04"	5.63"	2.24"	1.13"	.88"	6.56"	1.62"	2	.15"	16.0
AN-2816	6.29"	3.93"	2.37"	1.58"	5.98"	3.62"	2.13"	1.46"	6.94"	3.00"	6	.12"	28.0
AN-2817	6.29"	3.93"	3.19"	2.40"	5.98"	3.62"	2.95"	2.28"	6.94"	3.00"	6	.12"	33.5
AN-2818	2.19"	1.61"	1.22"	1.06"	1.91"	1.34"	1.10"	1.00"	2.88"	.69"	1	.06"	N/A
AN-2819	3.13"	2.93"	2.05"	1.58"	2.85"	2.65"	1.91"	1.51"	3.75"	2.00"	6	.07"	N/A
AN-2820	4.04"	2.07"	1.00"	0.85"	3.79"	1.80"	0.87"	0.78"	4.69"	1.13"	2	.07"	N/A
AN-2821	6.89"	3.15"	2.36"	1.58"	6.61"	2.86"	2.22"	1.51"	7.63"	2.25"	2	.07"	N/A
AN-2822	7.87"	4.72"	2.95"	2.17"	7.56"	4.43"	2.81"	2.10"	8.63"	3.75"	12	.07"	N/A
AN-2823	10.24"	6.30"	3.56"	2.78"	9.84"	5.93"	3.39"	2.71"	10.88"	5.25"	6	.07"	N/A

* Reference Only - Request drawing for internal configuration and dimensions.

¹ Use hardware kit #57-58 (contains [4] M3.5 x 6mm self tapping screws, [4] M3.5 lock washers,

[4] M4 x 6mm self tapping screws, and [4] M4 lock washers).

Die-cast aluminum NEMA boxes meet NEMA 1, 2, 4, 4X, 12, and 13 with external mounting brackets increasing both adaptability and use. These boxes allow for the mounting of the box without having to remove the cover, thereby possibly compromising the NEMA rating.

DESIGN FEATURES

- Tested and listed to UL-508 Type 4X requirements (UL File #E194432)
- ADC-12 aluminum alloy
- Excellent screening properties
- Gasketed covers attach with M4 stainless steel screws
- Internal bosses for mounting PCBs horizontally or for connecting terminals, ground, etc. (Requires hardware kit #57-58, ordered separately)
- Most models also allow for vertical PCB mounting
- Mounts to wall or panel with #10 size screws (not furnished)
- Heavy duty .09" thick external wall mounting bracket
- Silicone gaskets (installed in natural finish boxes; included but not installed in black finish boxes)

FINISHES

- Natural or smooth black powdercoat (add -B suffix to part number)



AN-SERIES

DIE-CAST ALUMINUM NEMA 4X BOX WITH EXTERNAL MOUNTING BRACKETS



Molded external mounting brackets protect internal components, allowing mounting without removing the cover. Silicone sponge gasket provides long-lasting seal in varying environmental conditions.

- Integrally molded external mounting brackets allow the box to be mounted on a wall or panel without having to remove the cover and expose internal components to the environment
- Rugged #ADC-12 alloy die cast aluminum box with NEMA 4X and IP65 ratings
- UL listed for UL508A Type 4, 4X, 12 and 13 - UL file #E194432
- Available in natural finish or in smooth black powder-coat finish
- Silicone sponge gasket provides long-lasting seal under varying environmental conditions
- Stainless steel cover screws
- Easily machined and modified to your particular requirements
- Offers EMC protection

FINISHES

- Available in natural finish or smooth black powder coating.

[CLICK HERE](#) to download assembly instructions.

[WATCH](#) gasket assembly video.

Catalog Number		External Dimensions (in.)			Internal Dimensions (in.)			Weight (Oz.)
Natural Finish	Black	A	B	C	D	E	F	
AN-2850	AN-2850-B	3.54	1.42	1.18	3.17	1.04	.97	4.1
AN-2851	AN-2851-B	2.52	2.28	1.38	2.19	1.95	1.17	5.2
AN-2852	AN-2852-B	4.53	2.56	1.18	4.13	2.15	.98	8.4
AN-2853	AN-2853-B	4.53	2.56	2.17	4.03	2.07	1.96	12.6
AN-2854	AN-2854-B	4.53	3.54	2.17	4.01	3.03	1.96	15.2
AN-2855	AN-2855-B	5.83	4.25	2.95	5.34	3.76	2.71	23.4
AN-2856	AN-2856-B	6.73	4.76	2.17	6.27	4.30	1.89	23.7
AN-2857	AN-2857-B	8.75	5.75	2.17	8.27	5.29	1.95	33.1
AN-2858	AN-2858-B	8.75	5.75	3.25	8.27	5.29	3.07	42.3
AN-2863	AN-2863-B	4.92	3.15	1.57	4.69	2.91	1.34	2.6
AN-2864	AN-2864-B	4.92	3.15	2.24	4.69	2.91	2.01	3.3
AN-2866	AN-2866-B	6.30	3.94	2.36	6.06	3.70	2.13	5.2
AN-2867	AN-2867-B	6.30	3.94	3.19	6.06	3.70	2.95	6.5
AN-2872	AN-2872-B	7.87	4.72	2.95	7.64	4.49	2.72	6.8



Catalog No.	Description	Weight (oz.)
ANX-1390	Wall Mounting Bracket Kit - Natural	1.1
ANX-1390-B	Wall Mounting Bracket Kit - Black	1.1
ANX-1390-G	Wall Mounting Bracket Kit - Gray	1.1

Die-Cast External Mounting Brackets

External mounting brackets enable die-cast boxes to be wall or panel mounted without opening the box. Can be used with all AN and ANS series Bud die-cast boxes except the AN-2900 and AN-2901. Package consists of 4 brackets and attaching screws.