

Type 4X/ 6P Diecast Aluminum Enclosures *1590Z Series*

Watertight, Thick Wall, UL Listed

Key Features

- Rugged, diecast aluminum alloy (tough yet easy to machine), electronic instrument enclosure.
- Two piece "tongue & groove" construction with a one piece silicone rubber gasket provides protection against access of dust and water.
- Ideal for repetitive opening and closing.
- Four recessed stainless steel machine screws secure lid into tapped holes.
- Easy to wall mount using "through box - blind hole" construction, outside of gasket protection.
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws). (NOTE: Except for **1590Z060**, **1590Z061**, **1590Z062**, and **1590Z063**)
- Designed to meet IP68.
- North American Mark of Safety - cUL & UL listed. Certified to Type 4, 4X, 6, 6P.
- Painted versions are painted inside and out with a tough powder paint. Choice of satin black or smooth grey (RAL 7001).
- For non-metallic (glass reinforced polyester) versions of these enclosures, see series **1590ZGRP**



Photos

Available unfinished or powder coated in textured black or smooth gray.



Lid screws are self captivating (lid is threaded with first installation of screws)



Lid screws and wall mounting holes are outside the gasket channel.

Accessories

- Pole Mount Kit
- Breather Kit
- Liquid-Tight, Strain Relief Cordgrips
- Pressure Compensation Plug
- Small Rainproof Ventilator

Enclosure

| Part Number | Color | Internal Mounting Shelf | Length | Width | Enclosure | | Lid Thickness | Extra Lid Screws | Inner Panel | Extra Panel Screws | Replacement Gasket |
|-------------|---------|-------------------------|--------|-------|------------------|-----|---------------|------------------|-------------|--------------------|--------------------|
| | | | | | Depth (Less Lid) | Lid | | | | | |
| 1590Z060 | Natural | NO | 50 | 45 | 24 | 6 | SC1550Z103-50 | | | SCG060-50 | 1590Z060G |
| 1590Z060BK | Black | NO | 50 | 45 | 24 | 6 | SC1550Z103-50 | | | SCG060-50 | 1590Z060G |
| 1590Z060GY | Grey | NO | 50 | 45 | 24 | 6 | SC1550Z103-50 | | | SCG060-50 | 1590Z060G |
| 1590Z061 | Natural | NO | 64 | 58 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z061G |
| 1590Z061BK | Black | NO | 64 | 58 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z061G |
| 1590Z061GY | Grey | NO | 64 | 58 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z061G |
| 1590Z100 | Natural | YES | 75 | 80 | 40 | 12 | SC576-50 | 1590Z100PL | | SCGM4-50 | 1590Z100G |
| 1590Z100BK | Black | YES | 75 | 80 | 40 | 12 | SC576-50 | 1590Z100PL | | SCGM4-50 | 1590Z100G |
| 1590Z100GY | Grey | YES | 75 | 80 | 40 | 12 | SC576-50 | 1590Z100PL | | SCGM4-50 | 1590Z100G |
| 1590Z110 | Natural | NO | 75 | 80 | 40 | 12 | SC576-50 | | | SCGM4-50 | 1590Z100G |
| 1590Z110BK | Black | NO | 75 | 80 | 40 | 12 | SC576-50 | | | SCGM4-50 | 1590Z100G |
| 1590Z110GY | Grey | NO | 75 | 80 | 40 | 12 | SC576-50 | | | SCGM4-50 | 1590Z100G |
| 1590Z062 | Natural | NO | 98 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z062G |
| 1590Z062BK | Black | NO | 98 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z062G |
| 1590Z062GY | Grey | NO | 98 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z062G |
| 1590Z119 | Natural | YES | 122 | 120 | 60 | 20 | SC564-12 | 1590Z119PL | | SCGM6-20 | 1590Z119G |
| 1590Z119BK | Black | YES | 122 | 120 | 60 | 20 | SC564-12 | 1590Z119PL | | SCGM6-20 | 1590Z119G |
| 1590Z119GY | Grey | YES | 122 | 120 | 60 | 20 | SC564-12 | 1590Z119PL | | SCGM6-20 | 1590Z119G |
| 1590Z120 | Natural | YES | 124 | 80 | 44 | 15 | SC1550Z107-50 | 1590Z120PL | | SCGM4-50 | 1590Z120G |
| 1590Z120BK | Black | YES | 124 | 80 | 44 | 15 | SC1550Z107-50 | 1590Z120PL | | SCGM4-50 | 1590Z120G |
| 1590Z120GY | Grey | YES | 124 | 80 | 44 | 15 | SC1550Z107-50 | 1590Z120PL | | SCGM4-50 | 1590Z120G |
| 1590Z063 | Natural | NO | 150 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z063G |
| 1590Z063BK | Black | NO | 150 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z063G |
| 1590Z063GY | Grey | NO | 150 | 64 | 26 | 10 | SC1550Z103-50 | | | SCG060-50 | 1590Z063G |
| 1590Z160 | Natural | YES | 160 | 160 | 70 | 20 | SC564-12 | 1590Z160PL | | SCGM6-20 | 1590Z160G |
| 1590Z160BK | Black | YES | 160 | 160 | 70 | 20 | SC564-12 | 1590Z160PL | | SCGM6-20 | 1590Z160G |
| 1590Z160GY | Grey | YES | 160 | 160 | 70 | 20 | SC564-12 | 1590Z160PL | | SCGM6-20 | 1590Z160G |
| 1590Z130 | Natural | NO | 176 | 80 | 42 | 11 | SC576-50 | | | SCGM4-50 | 1590Z130G |
| 1590Z130BK | Black | NO | 176 | 80 | 42 | 11 | SC576-50 | | | SCGM4-50 | 1590Z130G |
| 1590Z130GY | Grey | NO | 176 | 80 | 42 | 11 | SC576-50 | | | SCGM4-50 | 1590Z130G |
| 1590Z135 | Natural | NO | 176 | 80 | 42 | 20 | SC574-30 | | | SCGM4-50 | 1590Z130G |
| 1590Z135BK | Black | NO | 176 | 80 | 42 | 20 | SC574-30 | | | SCGM4-50 | 1590Z130G |
| 1590Z135GY | Grey | NO | 176 | 80 | 42 | 20 | SC574-30 | | | SCGM4-50 | 1590Z130G |
| 1590Z150 | Natural | YES | 221 | 120 | 61 | 20 | SC564-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z150BK | Black | YES | 221 | 120 | 61 | 20 | SC564-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z150GY | Grey | YES | 221 | 120 | 61 | 20 | SC564-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z155 | Natural | YES | 221 | 120 | 61 | 30 | SC565-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z155BK | Black | YES | 221 | 120 | 61 | 30 | SC565-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z155GY | Grey | YES | 221 | 120 | 61 | 30 | SC565-12 | 1590Z150PL | | SCGM6-20 | 1590Z150G |
| 1590Z231 | Natural | YES | 230 | 200 | 92 | 20 | SC564-12 | 1590Z231PL | | SCGM6-20 | 1590Z231G |
| 1590Z231BK | Black | YES | 230 | 200 | 92 | 20 | SC564-12 | 1590Z231PL | | SCGM6-20 | 1590Z231G |
| 1590Z231GY | Grey | YES | 230 | 200 | 92 | 20 | SC564-12 | 1590Z231PL | | SCGM6-20 | 1590Z231G |
| 1590Z140 | Natural | YES | 250 | 80 | 40 | 15 | SC576-50 | 1590Z140PL | | SCGM6-20 | 1590Z140G |
| 1590Z140BK | Black | YES | 250 | 80 | 40 | 15 | SC576-50 | 1590Z140PL | | SCGM6-20 | 1590Z140G |
| 1590Z140GY | Grey | YES | 250 | 80 | 40 | 15 | SC576-50 | 1590Z140PL | | SCGM6-20 | 1590Z140G |
| 1590Z162 | Natural | YES | 260 | 159 | 70 | 20 | SC564-12 | 1590Z162PL | | SCGM6-20 | 1590Z162G |
| 1590Z162BK | Black | YES | 260 | 159 | 70 | 20 | SC564-12 | 1590Z162PL | | SCGM6-20 | 1590Z162G |
| 1590Z162GY | Grey | YES | 260 | 159 | 70 | 20 | SC564-12 | 1590Z162PL | | SCGM6-20 | 1590Z162G |
| 1590Z235 | Natural | YES | 332 | 232 | 111 | 20 | SC598-20 | 1590Z235PL | | SCGM6-20 | 1590Z235G |

| Part Number | Color | Internal Mounting Shelf | Length | Width | Enclosure | Lid | Extra Lid Screws | Inner Panel | Extra Panel Screws | Replacement Gasket |
|-------------------|---------|-------------------------------|--------|-------|---------------------|-----------|------------------|-------------------|-----------------------|-----------------------|
| | | | | | Depth (Less Lid) | Thickness | | | | |
| 1590Z235BK | Black | YES | 332 | 232 | 111 | 20 | SC598-20 | 1590Z235PL | SCGM6-20 | 1590Z235G |
| 1590Z235GY | Grey | YES | 332 | 232 | 111 | 20 | SC598-20 | 1590Z235PL | SCGM6-20 | 1590Z235G |
| 1590Z166 | Natural | YES | 360 | 160 | 70 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z166BK | Black | YES | 360 | 160 | 70 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z166GY | Grey | YES | 360 | 160 | 70 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z164 | Natural | YES | 361 | 120 | 60 | 20 | SC598-20 | 1590Z164PL | SCGM6-20 | 1590Z164G |
| 1590Z164BK | Black | YES | 361 | 120 | 60 | 20 | SC598-20 | 1590Z164PL | SCGM6-20 | 1590Z164G |
| 1590Z164GY | Grey | YES | 361 | 120 | 60 | 20 | SC598-20 | 1590Z164PL | SCGM6-20 | 1590Z164G |

Data subject to change without notice

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