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## Type 4X Diecast Aluminum Enclosures R100 Series

Watertight, Thick Wall



### Key Features:

- Material - Aluminum die-cast: G Al Si 12 / DIN 1775
- Shallow lid, deep body
- Captive stainless steel lid screws
- Neoprene oil and petrol resistant gasket standard. (-40°C up to +80°C)
- Degree of protection NEMA 4X, IP66, DIN 40050
- Temperature Range (-40°C up to +80°C)
- Single-channel Fastening System
- Special developed external mounting feet made from zinc-die-cast. Can be turned through 90°. The fastening holes have engagement lugs for this purpose. (See accessories)
- All sizes have inner blind holes.
- An inner mounting panel - made of zinc-plated steel is also available (See accessories)
- Textured polyester powder coat, beige RAL7032 or light gray RAL7035. (can be supplied unpainted on special order)
- CSA certified, UL Listed, Type 4, for use with industrial control equipment.

### Features



1. Lid screws and mounting holes outside of the gasket seal.

2. Space saving single channel mounting (ie...same hole used for mounting enclosure through rear and also for the lid), provides larger interior space than dual channel enclosures.
3. Captive stainless steel lid screws.
4. Enclosure holes threaded for easy installation and repetitive assembly & disassembly.
5. Internal mounting shelves placed along both sides of enclosure include blind holes and grounding screws.

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### Patented Single Channel System

- Provides larger interior space than dual channel enclosures.
- Uses the same enclosure hole for mounting the enclosure and fastening the lid.




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### Accessories (see table below for compatibility)



External Mounting  
Feet

Inner Panel

Hinge Kit

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### Shallow Lid, Deep Body (R100 Series)

| Part No (RAL 7032 Beige) | Part No (RAL 7035 Light Gray) | Width | Length | Depth (Including Lid) |
|--------------------------|-------------------------------|-------|--------|-----------------------|
| R100-060-000             | R100-060-035                  | 65    | 50     | 40                    |
| R100-062-000             | R100-062-035                  | 65    | 65     | 40                    |
| R100-064-000             | R100-064-035                  | 65    | 100    | 40                    |
| R100-066-000             | R100-066-035                  | 65    | 150    | 40                    |
| R100-080-000             | R100-080-035                  | 80    | 80     | 60                    |
| R100-082-000             | R100-082-035                  | 80    | 120    | 60                    |
| R100-084-000             | R100-084-035                  | 80    | 160    | 60                    |
| R100-100-000             | R100-100-035                  | 100   | 100    | 80                    |
| R100-102-000             | R100-102-035                  | 100   | 150    | 80                    |
| R100-104-000             | R100-104-035                  | 100   | 200    | 80                    |
| R100-120-000             | R100-120-035                  | 120   | 120    | 100                   |
| R100-122-000             | R100-122-035                  | 120   | 180    | 100                   |
| R100-124-000             | R100-124-035                  | 120   | 240    | 100                   |
| R100-160-000             | R100-160-035                  | 160   | 160    | 100                   |
| R100-162-000             | R100-162-035                  | 160   | 240    | 100                   |
| R100-164-000             | R100-164-035                  | 160   | 320    | 100                   |
| R100-166-000             | R100-166-035                  | 160   | 480    | 100                   |
| R100-200-000             | R100-200-035                  | 200   | 200    | 120                   |
| R100-202-000             | R100-202-035                  | 200   | 300    | 120                   |
| R100-204-000             | R100-204-035                  | 200   | 400    | 120                   |
| R100-240-000             | R100-240-035                  | 240   | 240    | 120                   |

| Part No (RAL 7032 Beige) | Part No (RAL 7035 Light Gray) | Width | Length | Depth (Including Lid) |
|--------------------------|-------------------------------|-------|--------|-----------------------|
| R100-242-000             | R100-242-035                  | 240   | 360    | 120                   |
| R100-244-000             | R100-244-035                  | 240   | 480    | 120                   |
| R100-320-000             | R100-320-035                  | 320   | 320    | 120                   |
| R100-322-000             | R100-322-035                  | 320   | 480    | 120                   |
| R100-324-000             | R100-324-035                  | 320   | 640    | 120                   |

### Deep Lid, Shallow Body (R101 Series)

| Part No.                  | Width | Length | Depth (Including Lid) |
|---------------------------|-------|--------|-----------------------|
| R101-080-000 <sup>1</sup> | 80    | 80     | 60                    |
| R101-082-000 <sup>1</sup> | 80    | 120    | 60                    |
| R101-084-000 <sup>1</sup> | 80    | 160    | 60                    |
| R101-100-000 <sup>1</sup> | 100   | 100    | 80                    |
| R101-102-000 <sup>1</sup> | 100   | 150    | 80                    |
| R101-104-000 <sup>1</sup> | 100   | 200    | 80                    |
| R101-120-000 <sup>1</sup> | 120   | 120    | 100                   |
| R101-122-000 <sup>1</sup> | 120   | 180    | 100                   |
| R101-124-000 <sup>1</sup> | 120   | 240    | 100                   |
| R101-160-000 <sup>1</sup> | 160   | 160    | 100                   |
| R101-162-000 <sup>1</sup> | 160   | 240    | 100                   |
| R101-164-000 <sup>1</sup> | 160   | 320    | 100                   |
| R101-166-000 <sup>1</sup> | 160   | 480    | 100                   |
| R101-200-000 <sup>1</sup> | 200   | 200    | 120                   |
| R101-202-000 <sup>1</sup> | 200   | 300    | 120                   |
| R101-204-000 <sup>1</sup> | 200   | 400    | 120                   |
| R101-240-000 <sup>1</sup> | 240   | 240    | 120                   |
| R101-242-000 <sup>1</sup> | 240   | 360    | 120                   |
| R101-244-000 <sup>1</sup> | 240   | 480    | 120                   |
| R101-320-000 <sup>1</sup> | 320   | 320    | 120                   |
| R101-322-000 <sup>1</sup> | 320   | 480    | 120                   |
| R101-324-000 <sup>1</sup> | 320   | 640    | 120                   |

<sup>1</sup> R101 series enclosures are not stocking items. Please contact Hammond's sales team for more information.

### Matching Lid & Body (R102 Series)

| Part No.                  | Width | Length | Depth (Including Lid) |
|---------------------------|-------|--------|-----------------------|
| R102-080-000 <sup>1</sup> | 80    | 80     | 40                    |
| R102-082-000 <sup>1</sup> | 80    | 120    | 40                    |
| R102-084-000 <sup>1</sup> | 80    | 160    | 40                    |
| R102-100-000 <sup>1</sup> | 100   | 100    | 54                    |
| R102-102-000 <sup>1</sup> | 100   | 150    | 54                    |
| R102-104-000 <sup>1</sup> | 100   | 200    | 54                    |
| R102-120-000 <sup>1</sup> | 120   | 120    | 66                    |
| R102-122-000 <sup>1</sup> | 120   | 180    | 66                    |
| R102-124-000 <sup>1</sup> | 120   | 240    | 66                    |
| R102-160-000 <sup>1</sup> | 160   | 160    | 66                    |
| R102-162-000 <sup>1</sup> | 160   | 240    | 66                    |
| R102-164-000 <sup>1</sup> | 160   | 320    | 66                    |
| R102-166-000 <sup>1</sup> | 160   | 480    | 66                    |
| R102-200-000 <sup>1</sup> | 200   | 200    | 80                    |
| R102-202-000 <sup>1</sup> | 200   | 300    | 80                    |
| R102-204-000 <sup>1</sup> | 200   | 400    | 80                    |
| R102-240-000 <sup>1</sup> | 240   | 240    | 80                    |
| R102-242-000 <sup>1</sup> | 240   | 360    | 80                    |
| R102-244-000 <sup>1</sup> | 240   | 480    | 80                    |
| R102-320-000 <sup>1</sup> | 320   | 320    | 80                    |
| R102-322-000 <sup>1</sup> | 320   | 480    | 80                    |

| Part No.                  | Width | Length | Depth (Including Lid) |
|---------------------------|-------|--------|-----------------------|
| R102-324-000 <sup>1</sup> | 320   | 640    | 80                    |

<sup>1</sup> R102 series enclosures are not stocking items. Please contact Hammond's sales team for more information.

### aluNORM Accessories

| For Use With<br>Enclosure Types | External Feet<br>(Set of 2 or 4)<br>Part No. | Inner Panel 2mm,<br>Galvanized Steel<br>Part No. | Hinge<br>(Set of 2)<br>Part No. |
|---------------------------------|--|--|---------------------------------|
| R100, R101 & R102-060           | N/A  | N/A  | N/A                             |
| R100, R101 & R102-062           | N/A  | R507-062-000                                     | N/A                             |
| R100, R101 & R102-064           | N/A  | R507-064-000                                     | N/A                             |
| R100, R101 & R102-066           | N/A  | R507-066-000                                     | N/A                             |
| R100, R101 & R102-080           | R501-002-080                                 | R507-080-000                                     | N/A                             |
| R100, R101 & R102-082           | R501-002-080                                 | R507-082-000                                     | N/A                             |
| R100, R101 & R102-084           | R501-002-080                                 | R507-084-000                                     | N/A                             |
| R100, R101 & R102-100           | R501-002-100                                 | R507-100-000                                     | N/A                             |
| R100, R101 & R102-102           | R501-002-100                                 | R507-102-000                                     | R510-000-000                    |
| R100, R101 & R102-104           | R501-002-100                                 | R507-104-000                                     | R510-000-000                    |
| R100, R101 & R102-120           | R501-000-011                                 | R507-120-000                                     | R510-000-000                    |
| R100, R101 & R102-122           | R501-000-011                                 | R507-122-000                                     | R510-000-000                    |
| R100, R101 & R102-124           | R501-000-011                                 | R507-124-000                                     | R510-000-000                    |
| R100, R101 & R102-160           | R501-000-012                                 | R507-160-000                                     | R510-000-000                    |
| R100, R101 & R102-162           | R501-000-012                                 | R507-162-000                                     | R510-000-000                    |
| R100, R101 & R102-164           | R501-000-012                                 | R507-164-000                                     | R510-000-000                    |
| R100, R101 & R102-166           | R501-000-012                                 | R507-166-000                                     | R510-000-000                    |
| R100, R101 & R102-200           | N/A  | R507-200-000                                     | R510-000-000                    |
| R100, R101 & R102-202           | N/A  | R507-202-000                                     | R510-000-000                    |
| R100, R101 & R102-204           | N/A  | R507-204-000                                     | R510-000-000                    |
| R100, R101 & R102-240           | N/A  | R507-240-000                                     | R510-000-000                    |
| R100, R101 & R102-242           | N/A  | R507-242-000                                     | R510-000-000                    |
| R100, R101 & R102-244           | N/A  | R507-244-000                                     | R510-000-000                    |
| R100, R101 & R102-320           | N/A  | R507-320-000                                     | R510-000-000                    |
| R100, R101 & R102-322           | N/A  | R507-322-000                                     | R510-000-000                    |
| R100, R101 & R102-324           | N/A  | R507-324-000                                     | R510-000-000                    |

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