Flange Mounting Instructions
ACS800 - Frame R2-R6
ACS550 - Frame R5-R6
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Safety Instructions

Assembly of Flange Mount Kits

• Stamped steel may have sharp edges. Use caution when handling the parts of this kit to prevent injury.

• Follow the torque recommendations for all fasteners. Fasteners without torque specifications provided in documentation should be tightened to standard torques for the fastener size and type.

• Verify all fasteners are fully engaged upon completion of assembly.
Materials - ACS800 R2-R3 Frames

<table>
<thead>
<tr>
<th></th>
<th>m4x12 Screw</th>
<th>M6 Nut</th>
<th>M5x10 Self-Tap Screw</th>
<th>M5 Lockwasher</th>
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<td>6</td>
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<tr>
<td>R6</td>
<td>6</td>
<td>16</td>
<td>12</td>
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</tbody>
</table>

Note: Use either a 4.5mm, #16/#17, or 11/64” drill bit for drilling the flange mounting holes in the panel.

(1) One large outer edge seal

(1) One small inner edge seal

(1) Left flange plate

(1) Right flange plate

(2) Two sealing spacers

m6 nuts with integrated washer

(2) Two hanging brackets
Materials - ACS800 R4-R6 and ACS550 R5-R6 Frames

(1) One large outer edge seal

(1) Upper flange plate
Curved inner edge that fits to the top of the drive

m6 nuts with integrated washer

(2) Two sealing spacers

(4) Four hanging brackets
One for each side

m4x12 screws

(1) Lower flange plate
Straight inner edge that fits to the bottom of the drive

(1) One small inner edge seal

(2) Two Support Brackets
One for each side
Mounting Instructions

1. Identify the correct frame drawing.  
   **NOTE:** The bottom right number on the cut-out sheet is the sheet number. The frame number is identified in the center of the cut-out template.  
   - Sheet 1 - Frames R2 and R3  
   - Sheet 2 - Frame R4  
   - Sheet 3 - Frame R5  
   - Sheet 4 - Frame R6

2. Choose proper drawing for installation and trim around the cut-out template, leaving a 2” border.  
   **NOTE:** Leave “TOP” marking attached to the cut-out for orientation purposes.

3. Remove the inner part of the cut-out template by trimming 1/2” in from the hash marks.  
   **NOTE:** Do not remove hash marks in the corners.

4. Position the cut-out template on the subpanel or enclosure wall for drive mounting.

5. Once properly positioned (with “TOP” marking oriented where the top of the drive will be), secure the cut-out template to the panel by taping the inner and outer edges.  
   **NOTE:** By taping the inner and outer edges, it ensures a secure and accurate cut line.
6. Center punch and drill flange mounting holes.  
**NOTE:** Use a #16, #17 or 11/64” drill bit to drill out mounting holes.

7. Center punch the hash marks

8. Using a 1 1/2” hole saw, drill corners of the cut-out.

9. Using a metal cutting tool (typically a jigsaw), cut along the inner edge of the cut-out template.

10. Remove paper when complete
Assembly ACS800 R2-R3

NOTE: Exploded diagram drawings for ACS800 R2 and R3 are on page 14.

1. Place small inner edge sealer in groove between base and drive.

2. Insert sealing spacer on both ends of the left flange plate. The imprinted number on the spacer should face up.

3. With screw studs facing up, slide left flange plate into the groove between the base and the drive.

4. With screw studs facing up, slide right flange plate around the drive and into the groove between the base and the drive.

The right flange plate should also slide into the sealing spacers.
Assembly ACS800 R2-R3 (continued)

5. With hanging bracket feet facing towards the drive, place brackets on flange plate. Make sure they are slid to the innermost position as shown.

**NOTE:** This will compress the sealing spacer and help to properly align the flange brackets.

6. Place one (1) m6 nut with integrated washer on each bracket stud and, using a wrench, tighten each nut to 35 in-lbs, maintaining the bracket in the innermost position.

7. Insert the large outer edge sealer around the edge of the drive, pressing in toward the drive as you go to ensure it is in place. Once it is secure, smooth with fingers.

Be careful not to stretch the seal.
Assembly ACS800 R4-R6 and ACS550 R5-R6

NOTE: Exploded diagram drawings for R4 frames are on page 15, for R5 frames on page 15 and for R6 frames on page 16.

For ACS800 R6 and ACS550 R6:
Remove the power cabling ground plate from just below the power terminal block. Save the grounding screws and clamps.

1. Place small inner edge sealer in groove between the base and drive.

2. Insert sealing spacer on both ends of the upper flange plate. The imprinted number on the spacer should face up.

3. With screw studs facing up, slide upper flange plate into the groove around the top left side of the drive between the base and the drive.
NOTE: The upper flange can be identified by the inner cut edge on the short side of the plate. The upper one has an arc to it on the short side, the lower inner cut edge is straight.
Assembly ACS800 R4-R6 and ACS550 R5-R6 (continued)

4. With screw studs facing up, slide lower flange plate around the bottom of the drive and into the groove between the base and the drive.

**NOTE:** The lower flange plate should also slide into the sealing spacers.

**NOTE (Frame R6 only):** Ensure the holes for the grounding screws are at the bottom of the drive. There should be more holes in the flange of the R6 at the bottom of the drive.

5. With hanging bracket feet facing towards the drive, place brackets on flange plate. Make sure they are slid to the innermost position as shown.

**NOTE:** This will compress the sealing spacer and help to properly align the flange brackets.
6. Place (1) one m6 nut with integrated washer on each bracket stud and, using a wrench, tighten each nut to 35 in-lbs, maintaining the bracket in the innermost position.

7. Place the support bracket underneath the plate and insert the screw studs through the holes in the flange plate. Position the bracket as shown.

R4 - Attach with 2 nuts and finger tighten only
R5 - Attach with 3 nuts and finger tighten only
R6 - Attach with 4 nuts and finger tighten only

NOTE: Ensure the holes in the mounting bracket are aligned with the holes in the base of the drive.

8. Using a Phillips head screwdriver, insert screws through the bracket into the base of the drive.

NOTE: It is recommended to get all three screws started before tightening them down to 12 in-lbs.
9. Torque each nut to 35 in-lbs.

10. Repeat steps 7 - 9 with other mounting bracket on the opposite side of the drive.

11. Insert the large outer edge sealer around the edge of the drive, pressing in towards the drive as you go to ensure it is in place. Once it is secure, smooth with fingers.

Frame R6 ACS800 only:

12. Install power cabling ground screws (removed in step 1) and clamps in the bottom of the flange. The ground plate removed in step one is not reused.
Exploded Diagram Drawing - ACS800 / ACS550 R5

Exploded Diagram Drawing - ACS800 / ACS550 R6
Dimensional Drawing - ACS800 R2

Dimensional Drawing - ACS800 R3
Dimensional Drawing - ACS800 R4
Dimensional Drawing - ACS800 / ACS550 R5
Dimensional Drawing - ACS800 / ACS550 R6