

#### Features

**Provide secured battery mounting for geographical areas where seismic activity is anticipated:**

- For use with Simplex® Model 4100ES and 4100U fire alarm control panels
- Bracket 2081-9297 is for two, 33 Ah, 12 V batteries
- Bracket 2081-9298 is for two, 50 Ah, 12 V batteries
- Design was laboratory shake table tested and certified to resist the maximum considered earthquake in the United States
- Install on-site to either surface mount or flush mount backboxes (see installation note below)
- Refer to product selection table on page 2 for dimensions and additional information

**Satisfies the following requirements:**

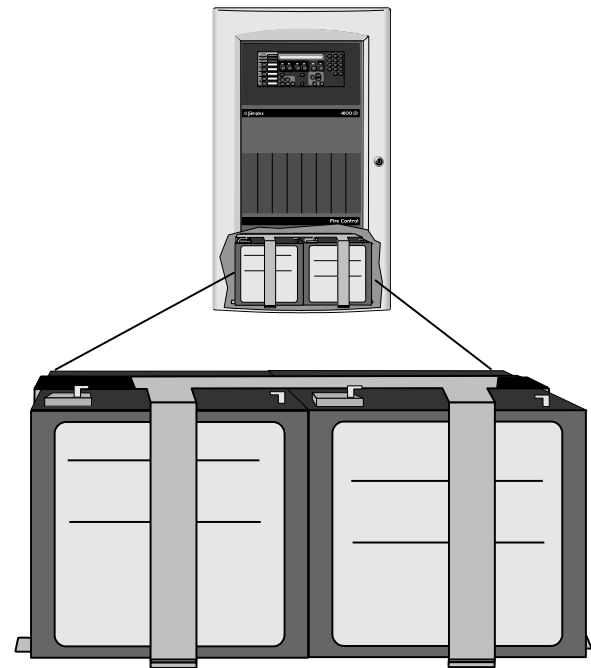
- IBC 2006, *International Building Code*
- CBC 2007, *California Building Code*
- ASCE 7-05, categories A-F and all building heights

#### Description

**Secured Battery Mounting.** For geographic regions where earthquake activity is a building design criteria, these battery brackets will hold 4100ES and 4100U fire alarm control panel batteries securely in place.

**Laboratory Tested.** Independent laboratory testing was performed to ensure these battery brackets meet the requirements of IBC 2006, and ASCE 7-05 (categories A through F) per the following:

- IBC 2006 and CBC 2007 Certified
- ICC-ES AC156 Testing Standard
- Importance Factor = 1.5 (the highest category)
- Short period mapped spectral response acceleration = 3.0 g's



Battery Bracket Shown in a 2 Bay 4100ES Cabinet

#### Installation Reference

1. *Important:* install bracket hardware into flush mounted boxes before box installation for easier access.
2. *Always mount boxes solidly.* Align mounting hardware with wall studs. Refer to back box Installation Instructions 579-117 for additional information.
3. For additional battery bracket installation information, refer to Installation Instructions 579-944.

## Battery Bracket Selection Reference

Model	Description	Compatible Battery*	Battery Dimension Reference*	Bracket Dimensions	4100ES/U Panel Size
2081-9297	Battery Bracket for <b>two (2), 33 Ah batteries</b> ; galvanized steel	2081-9276, 33 Ah, 12 V, sealed lead-acid	7-3/4" W x 5-1/4" D x 6-3/4" H (197 mm x 133 mm x 171 mm)	Inside width = 15-1/2" (394 mm) Height = 6-9/16" (167 mm) Thickness = 0.060" (1.5 mm)	1, 2, or 3 Bay Cabinet
2081-9298	Battery Bracket for <b>two (2), 50 Ah batteries</b> ; galvanized steel	2081-9296, 50 Ah, 12 V, sealed lead-acid	9" W x 5-1/2" D x 8-7/8" H (229 mm x 140 mm x 225 mm)	Inside width = 18" (457 mm) Height = 8-11/16" (221 mm) Thickness = 0.060" (1.5 mm)	<b>Note: For 3 Bay Cabinet Systems only</b>

### Additional Battery Equipment

Model	Description
4100-0650	Battery shelf; <b>required when using 50 Ah batteries</b>

\* Refer to data sheet S2081-0006 for additional battery information. Alternate batteries must be of identical dimensions.

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