

Features

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

- Available for use with compatible Simplex® fire alarm control panel Model Series: 4100ES, 4010ES, 4100U, 4005, 4009 IDNet NAC Extender (4009A), TrueAlert Addressable Controller (4009T), and 4009TPS
- Available for use with EZCare 2-bay cabinet 5009-9724 with Ethernet Switches and related equipment
- 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 reference below)
- One bracket holds two (2) compatible batteries
- Galvanized steel construction with insulation near battery terminals
- Refer to page 2 for selection information

Satisfies the following requirements:

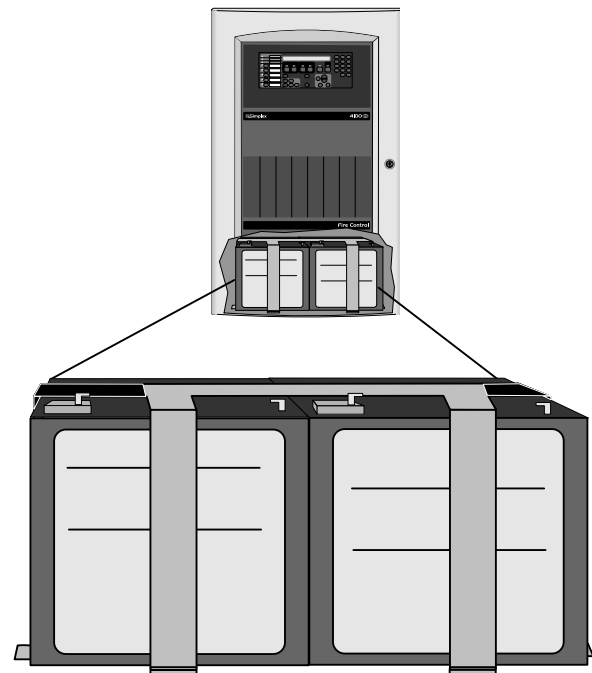
- IBC 2012, *International Building Code*
- CBC 2013, *California Building Code*
- ASCE 7, categories A-F and all building heights

Description

Secured Battery Mounting. For geographic regions where earthquake activity is a building design criteria, these battery brackets will hold the system batteries securely in place.

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

- IBC 2012 and CBC 2013 Certified
- ICC-ES AC156 Testing Standard
- Importance Factor = 1.5 (the highest category)
- $S_s = 3.73 G$
- $S_{ds} = 2.5 G$
- $z/h = 1.0$



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 the product's box installation instructions for additional information.
3. For additional battery bracket installation information, refer to Installation Instructions 579-944.

– This product was not agency listed as of document revision date.

Battery Bracket Selection Reference

| Bracket Model No. | Compatible Batteries* 12 V, sealed lead-acid | | Compatible Products | Battery Dimension Reference* | Bracket Dimensions 0.060" (1.5 mm) Thick | |
|-------------------|---|-----------|--|--|---|----------------------|
| | Capacity | Model | | | Width | Height |
| 2081-9401 | 12.7 Ah | 2081-9288 | 4100ES, 4010ES, 4100U, 4009TPS, 4009 IDNet NAC Extender (4009A), TrueAlert Addressable Controller (4009T) | 6" W x 4" D x 4" H (153 mm x 102 mm x 102 mm) | 12-1/16" (306 mm) | 3-7/8" (98 mm) |
| 2081-9402 | 18 Ah | 2081-9275 | 4100ES, 4010ES, 4100U, 4005 NOTE: 4005 systems with DACT require 4005-9860 Bracket per below | 7-1/4" W x 3-3/8" D x 6-5/8" H (184 mm x 86 mm x 168 mm) | 14-9/16" (370 mm) | 6-9/16" (167 mm) |
| 2081-9403 | 25 Ah | 2081-9287 | 4100ES, 4010ES, 4100U | 6-5/8" W x 5" D x 7" H (168 mm x 127 mm x 178 mm) | 13-3/8" (340 mm) | 6-13/16" (173 mm) |
| | | | 5009-9724, EZCare 2-Bay Cabinet with Ethernet Switches and related equipment; NOTE: Requires 5009-9906 Screw Kit per below | | | |
| 2081-9297 | 33 Ah | 2081-9276 | 4100ES and 4100U, 1, 2, or 3 Bay Cabinet | 7-3/4" W x 5-1/4" D x 6-3/4" H (197 mm x 133 mm x 171 mm) | 15-1/2" (394 mm) | 6-9/16" (167 mm) |
| | | | 4010ES, 1 or 2 bay | | | |
| 2081-9298 | 50 Ah | 2081-9296 | 4100ES and 4100U, 3 Bay Cabinet Only | 9" W x 5-1/2" D x 8-7/8" H (229 mm x 140 mm x 225 mm) | 18" (457 mm) | 8-11/16" (221 mm) |
| | | | NOTE: Requires use of 4100-0650 Battery Shelf ordered separately per below | | | |

* **Note:** These brackets mount two of these 12 VDC batteries wired in series for 24 VDC systems. Refer to data sheet S2081-0006 for additional battery information. Alternate batteries must be of identical dimensions.

Additional Battery Equipment

| Model | Description |
|-----------|---|
| 4100-0650 | Battery Shelf; required when using 50 Ah batteries in 4100ES and 4100U cabinets |
| 4005-9860 | 4005 Retrofit DACT Bracket, required when adding the 2081-9401 battery bracket to a 4005 Series Fire Alarm Control Panel; mount supplied DACT on this bracket for seismic rated mounting NOTE: Bracket will become standard production during 2012; identify by metal snap connections replaced with standoffs for screw connections |
| 5009-9906 | Seismic Rated Screw Kit, required for the 5009-9724 cabinet assembly, use one kit per Ethernet Switch NOTE: Screws will become standard production during 2012, identify as nylon screws with steel core |

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