



3-RCC Remote Closet Cabinet Seismic Kit Installation Sheet

Description

This document describes how to install a 3-RCC seismic kit in 3-RCC7R, 3-RCC14R, and 3-RCC21R remote closet cabinets. The seismic kits and battery configurations are listed below.

Model	Description
3-RCCEQ50	Supports two 12 V, 50 Ah batteries. The kit provides one cross bracket, six cable ties, and the necessary mounting hardware.
3-RCCEQ65	Supports two 12 V, 65 Ah batteries. The kit provides two cross brackets, four corner brackets, six cable ties, and the necessary mounting hardware.

Installing a 3-RCC seismic kit keeps the backup batteries and the data cable connections in place should a seismic event (earthquake) occur. This helps to maintain fire system operability. Kits are available for either a 50 Ah battery configuration or a 65 Ah battery configuration, as described in the table above.

Installation

WARNINGS

- Remove all sources of power and allow stored energy to discharge before installing or removing equipment. Failure to do so can result in personal injury from shock.
- Do not touch the battery terminals with the battery brackets when installing the brackets. Failure to follow these instructions can result in personal injury or equipment damage.

Cautions

- Circuit boards are sensitive to electrostatic discharge (ESD). To avoid damage, follow ESD handling procedures.
- Shavings can fall into the cabinet when drilling the battery bracket holes. To avoid damage to components inside the cabinet, clean up the shavings.

Notes

- Do not drill bracket mounting holes into a knockout.
- If a 3-BTSEN Battery Distribution Bus is installed in the cabinet, do not obstruct it when installing the bracket.

Installing the 3-RCCEQ50 kit for a 50 Ah battery configuration

Installing the 3-RCCEQ50 kit consists of two steps:

- Installing the battery bracket.
- Securing the data cable connections on the rails for cabinets with 3-CHAS7 or 3-CHASS4 chassis.

Step 1: Installing the battery bracket

- After de-energizing the unit, set the batteries in the bottom of the cabinet. Make sure they are pushed together, centered, and against the back wall.
- Rest the cross bracket (P/N 9000842-4) across the top of the batteries, at least 1/2 in. away from the battery terminals, and mark the mounting holes. See Figure 1.
- Remove the batteries. Drill bracket mounting holes where marked, using a number 18 drill bit.
- Replace the batteries and install the bracket using the hardware provided. See Figure 1.

Step 2: Securing the data cable connections on the rails

When the cabinet has 3-CHAS7 or 3-CHASS4 chassis installed, you must tie down the data cables on the rails to ensure that the cables will not disconnect. Figure 2 provides an example of how to wrap a cable tie diagonally around two data cable connectors and the rail. If you choose a different method of wrapping the tie, make sure you encompass the connectors.

To secure the data cable connections:

- Wrap a cable tie over the data cable connectors and around the rail. See Figure 2.
- Make sure the cable tie is over the connectors and then pull it tight.
- Cut off any excess cable tie.
- Repeat the procedure for each rail.

Figure 1: Installing the cross bracket for a 50 Ah battery configuration

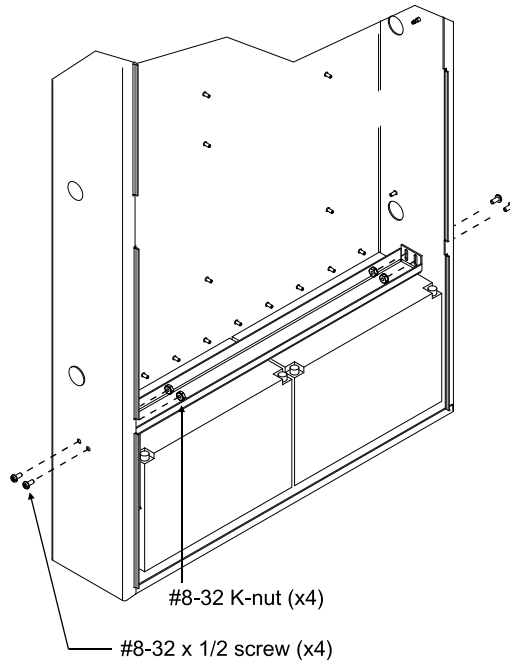
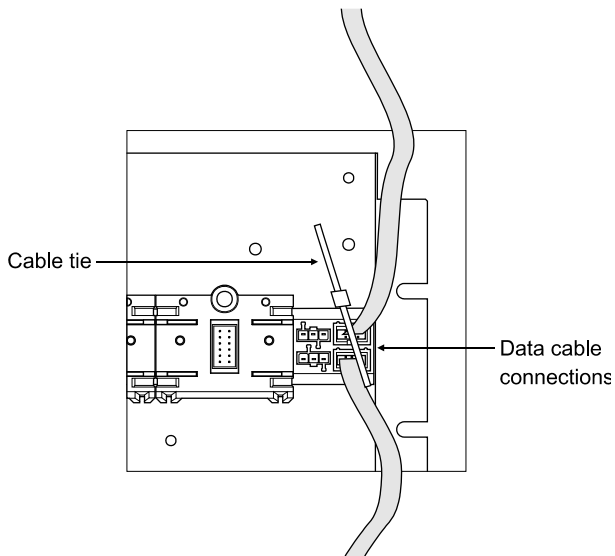


Figure 2: Securing the data cable connections on a rail



Installing the 3-RCCEQ65 kit for a 65 Ah battery configuration

Installing the 3-RCCEQ65 kit consists of four steps:

1. Installing the brackets for the bottom battery.
2. Installing the 3-BATS battery shelf.
3. Installing the brackets for the top battery.
4. Securing the data cable connections on the rails for cabinets with 3-CHAS7 or 3-CHASS4 chassis.

Note: When installing the left-hand and right-hand brackets you may see a gap of up to 5/8 in.

Step 1: Installing the brackets for the bottom battery

1. After de-energizing the unit, set the battery in the bottom of the cabinet. Make sure it is centered and against the back wall.
2. Rest the cross bracket (P/N 9000842-04) across the top of the battery, at least 1/2 in. away from the battery terminals, and mark the mounting holes. See Figure 3.
3. Position the left-hand bracket (P/N 9000833-01) around the front corner of the battery and against the cabinet floor, as shown in Figure 3, and mark the mounting holes.
4. Position the right-hand bracket (P/N 9000833-02) around the front corner of the battery and against the cabinet floor, as shown, and mark the mounting holes.
5. Remove the battery. Drill bracket mounting holes where marked, using a number 18 drill bit.
6. Replace the battery and install the brackets using the hardware provided. See Figure 3.

Step 2: Installing the 3-BATS battery shelf

1. Install the battery shelf, as described in the *3-BATS Battery Shelf Installation Sheet* (P/N 387338).
2. Drill a number 18 bit hole through the front of the 3-BATS shelf and the cabinet flange on both the right and left side. See Figure 4.
3. Secure the shelf to the cabinet flanges using the hardware provided. See Figure 4.

Step 3: Installing the brackets for the top battery

1. Set the second battery on the battery shelf, pushing it against the back wall and in the middle of the shelf.
2. Repeat "Step 1: Installing the brackets for the bottom battery," steps 2 through 6. Refer to Figure 5 to see the completed installation.

Step 4: Securing the data cable connections on the rails

When the cabinet has 3-CHAS7 or 3-CHASS4 chassis installed, you must tie down the data cables on the rails to ensure that the cables will not disconnect. Figure 2 provides an example of how to wrap a cable tie diagonally around two data cable connectors and the rail. If you choose a different method of wrapping the tie, make sure you encompass the connectors.

To secure the data cable connections:

1. Wrap a cable tie over the data cable connectors and around the rail. See Figure 2.
2. Make sure the cable tie is over the connectors and then pull it tight.
3. Cut off any excess cable tie.
4. Repeat the procedure for each rail.

Figure 3: Installing the brackets for the bottom battery in a 65 Ah battery configuration

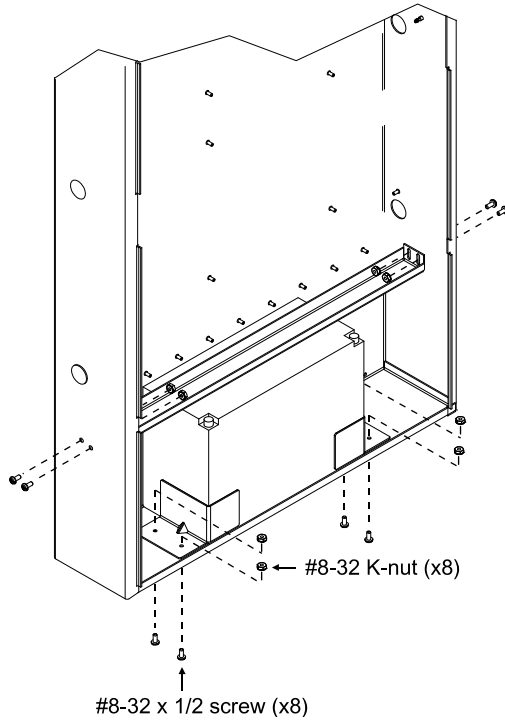


Figure 4: Installing the 3-BATS shelf

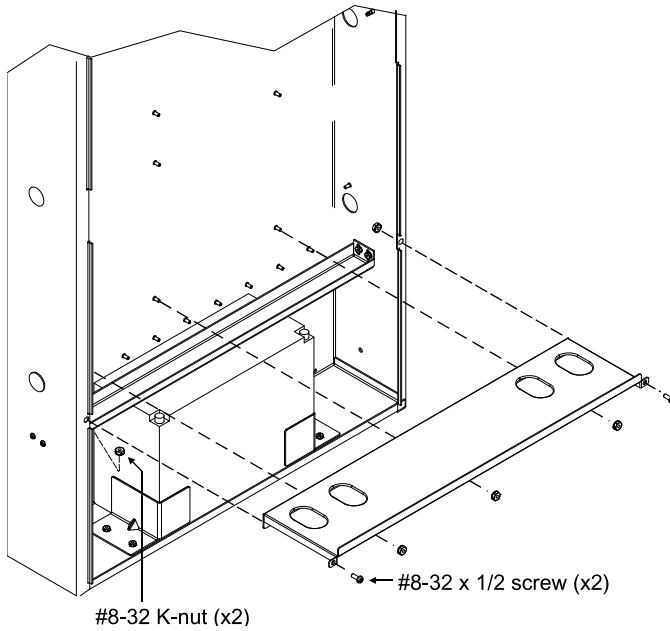
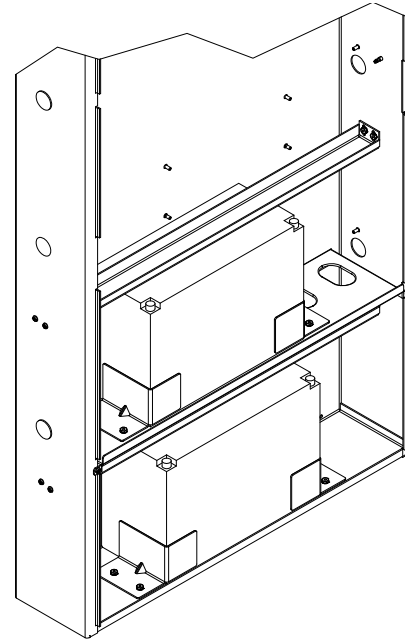


Figure 5: Completed 3-RCCEQ65 kit installation



Contact information

For contact information, see <http://www.edwardsutcfs.com>.

