SEISKIT-BB17
Product Installation Document

PN 53853:B 12/16/2022 ECN: 27423

1 Overview

The instructions that follow describe requirements for seismic installations using a SEISKIT-BB17 with a BB-17 Battery Box and Power Sonic batteries.

The SEISKIT-BB17 that accompanies this document must be used to secure the batteries to the backbox. It consists of a battery bracket, two #6-32 screws, and two #6-32 keps nuts to secure the bracket to the backbox. When used in combination with the instructions in this document, the installation will meet the requirements of the following standards.

- ASCE 7 - American Society of Civil Engineers document
- IBC (International Building Code) - Referencing ASCE 7 and ICC AC-156
- CBC (California Building Code) - Referencing ASCE 7

2 Cabinet Mounting

Specific hardware and installation procedures must be used when mounting the cabinet to conform with seismic rating requirements. Wood, concrete, and steel mounting requirements differ. B*e sure that there is at least 6.0" (15.24 cm) clearance between the top of the battery box and the bottom of the FACP cabinet*.

2.1 Mounting to Wood

NOTE: Wood lag screws must be embedded 2" (5 cm) minimum into wood. Sheetrock does not count as part of the 2" (5 cm) embedment.

1. If necessary, frame to match the backbox mounting holes.
2. Mark and pre-drill four holes for mounting bolts.
3. Place cabinet over the holes.
4. Install four 1/4" (.6 cm) wood lag screws, using four 1/4" (.6 cm) regular flat washers.

2.2 Mounting to Concrete

NOTE: Hilti Kwik Hus-EZ (KH-EZ) anchors must be embedded 2" (5 cm) into a concrete masonry wall (CMU), per the requirements of ICC ESR-1385.

1. Mark and pre-drill four holes for the mounting bolts.
2. Place cabinet over the holes. Install four 1/4" diameter Hilti Kwik Hus-EZ (KH-EZ) anchors, using four 1/4" (.6 cm) regular flat washers.

2.3 Mounting to Steel Studs

- Use 1/4" Hilti Kwik-Pro self drilling screws per ICC ESR-2196.

2.4 U-Struts

- Use A1000 Series Unistrut with A1006-1420 through A1008-1420 (Channel Nut with Spring, 1-1/4" Series), which will accommodate the 1/4" (0.6 cm) hardware.
- Span shall not be greater than width of unit + 12" (30.5 cm).
- Anchor into substrate per sections 2.1, 2.2, and 2.3.
- Install per manufacturer's instructions.

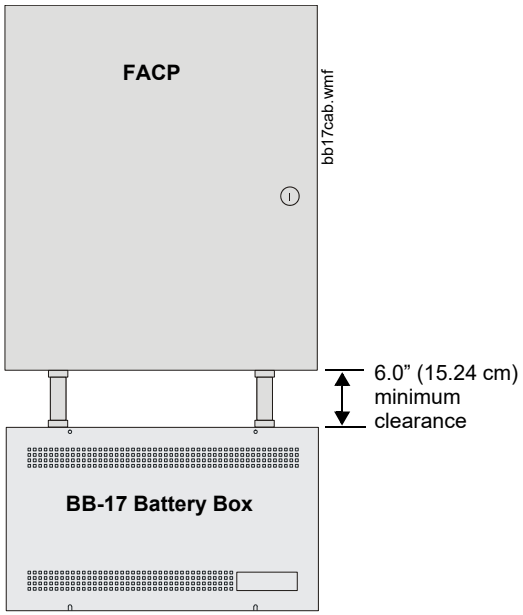


Figure 1 Mounting a BB-17 Battery Box

3 Battery Bracket Installation

1. Place batteries inside battery box.

NOTE: Power Sonic batteries, p/n PS-12180, must be used in this installation. Substitutions are not acceptable.

2. Secure the batteries with the battery bracket using the two supplied #6-32 screws and keps nuts as shown below.

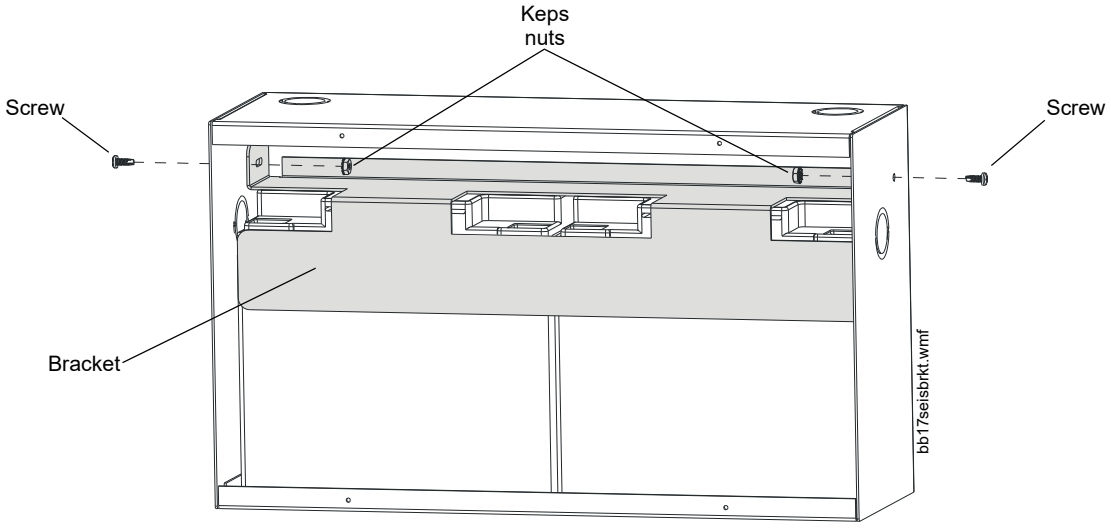


Figure 2 Installing the Battery Bracket