

BDFB / BDCBB -48V Input Bus Expander Kit

Model 007-0002-0012 Installation Guide

1.1 Overview

Telect's Model 007-0002-0012, -48V Input Bus Expander Kit, fits Telect's BDFB / BDCBB.

Each kit interconnects the -48V input terminal plates on one side of two BDFB / BDCBBs stacked one on top of the other. The expander kit also expands input cabling to accommodate larger current feeds per PDU bay.

Two expander kits (one for Side A, one for Side B) are required to expand each pair of BDFB / BDCBBs.

1.2 Inspection

Please read these instructions carefully before beginning installation. If you need assistance, call Technical Support at 1-888-821-4856 (domestic calls), or 509-921-6161 (Option 2), or email us at getinfo@telect.com.

Inspect equipment after unpacking and compare it to the packing list.

Immediately report any shipping damage, defects, or missing parts to Telect at 1-800-551-4567. Keep all documentation that comes with your shipment.

Telect is not liable for shipping damage. If the product is damaged, notify the carrier and call Telect's Customer Service Department at 1-800-551-4567 (domestic only) or 1-509-926-6000 for further recourse.

NOTE: For service or warranty information, please visit the telect.com website, or email inquiries to getinfo@Telect.com and click on the "Support" tab, or phone us at 800-551-4567 (domestic only) or 509-926-6000.

1.3 Installation

NOTE: The following instructions assume a top-down input feed. For a bottom-up feed, install the expander kit upside down. (See the BDFB / BDCBB user manual for details on bottom-up versus top-down input cabling.)

1. Make sure the power is off.
2. Lightly coat the contacting surfaces of bus bars, plates, and terminals with anti-oxidant.
3. Attach the offset-shaped expander plate and buses using supplied hardware, as shown in Figure 2. (The -48V input terminal plate on the BDFB / BDCBB must end up sandwiched between the expander plate and the expander bus bar.)
4. Torque $\frac{3}{8}$ in. hardware to no more than 17 ft-lb (23 N•m).
5. Connect the appropriate input cables with approved dual-hole lugs.
6. You can connect up to two 777MCM cables/lugs to each of three -48V input sites. (Figure 3 shows two lugs on each arm of the U-shaped terminal plate of a BDFB / BDCBB and one on the expander plate.)
7. Again, lightly coat the contacting surfaces of the lugs and plates with anti-oxidant.
8. Torque $\frac{3}{8}$ in. lug hardware to no more than 17 ft-lb (23 N•m).

NOTE: DON'T "PIGGY BACK" (STACK) LUGS ON TOP OF EACH OTHER. When connecting two lugs, the terminal and expander plates must be "sandwiched" between the broad, flat bottoms of the lugs, as shown in Figure 3.

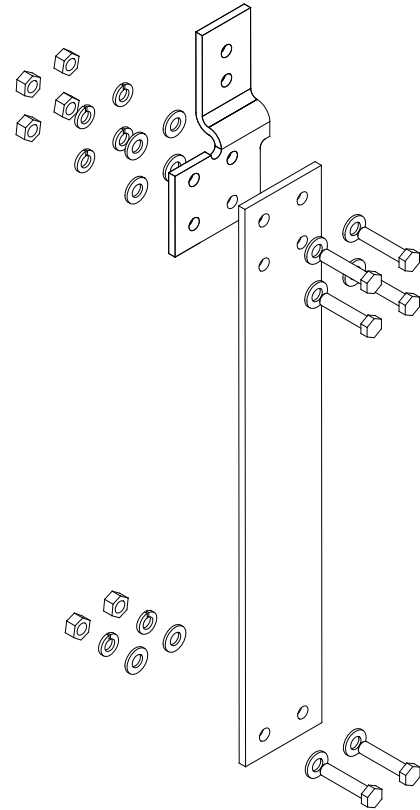
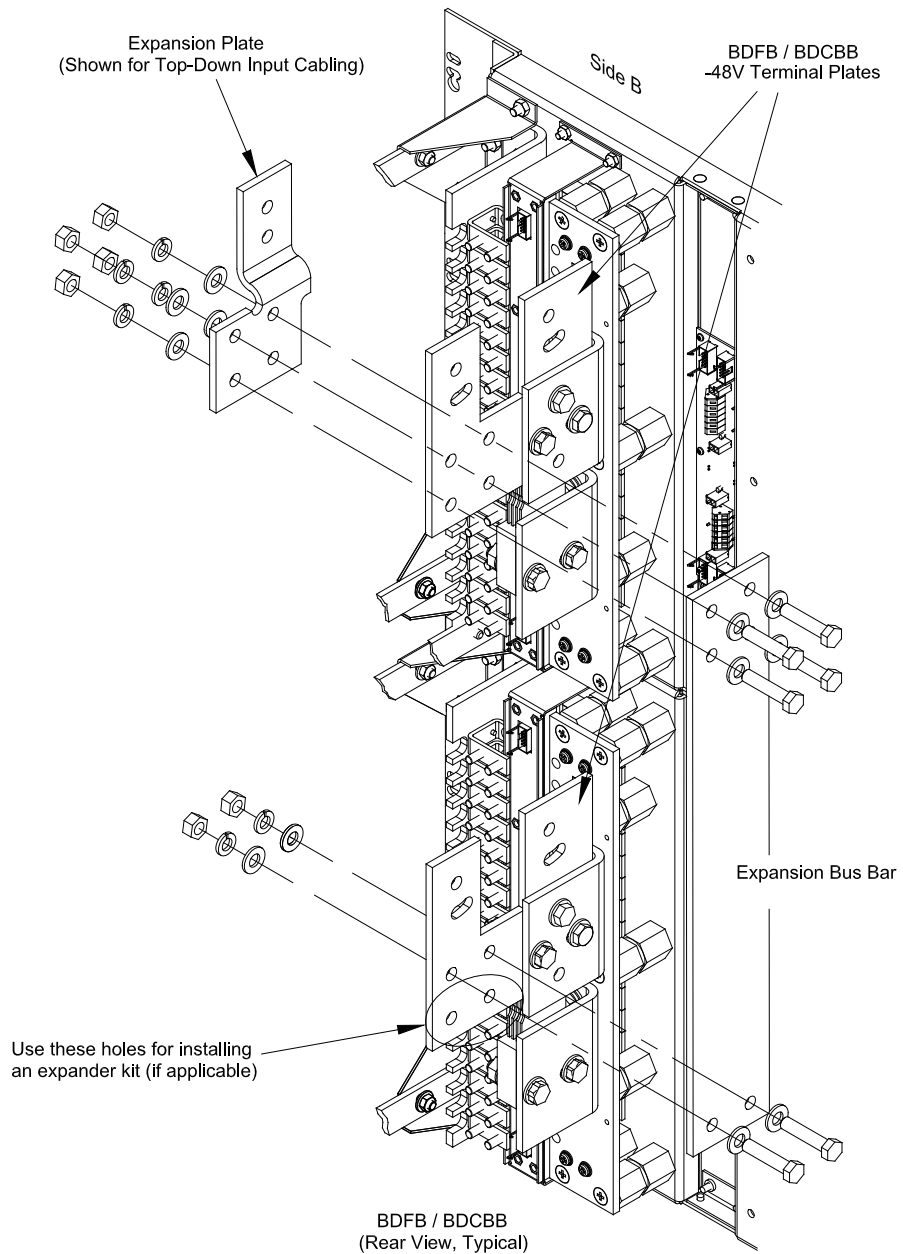


Figure 1 - Expander Kit



Installing -48V Input Bus Expansion
(Side A Not Shown)

**Figure 2 - Installing -48V Input Bus Expander
(Side A Not Shown)**

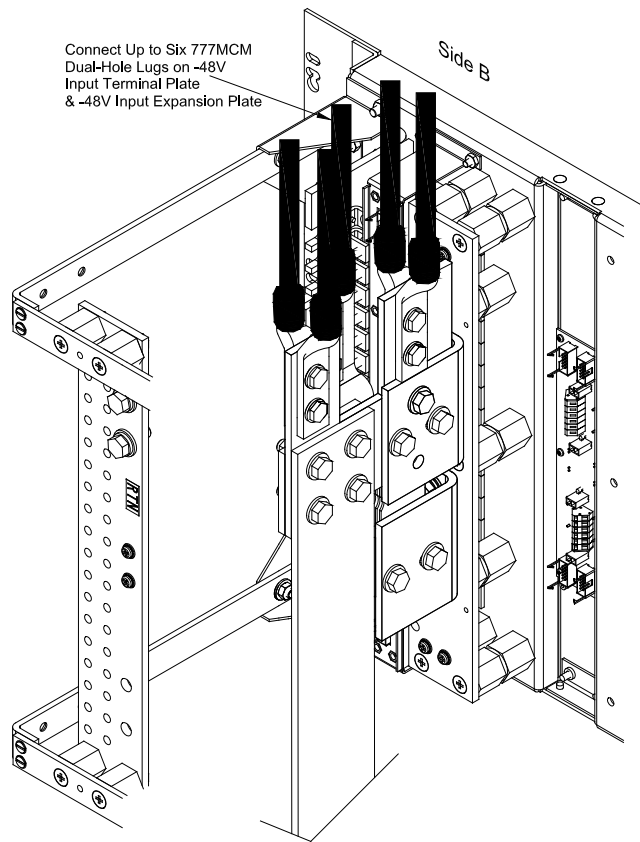


Figure 3 - Installing -48V Input Cables