

Installation Instructions

The following instructions are for the installation of Siemens Sentron JD & LD Frame breakers in a shallow/deep type panelboards (P4, P5) as a Main. The parts provided in this kit are for connections to a 3 phase / 4 wire system.



1. Lock off power supplying this equipment before working on it.
2. Reference fig. 1 - Remove the (2) gutter covers, deadfront and all cover plates.

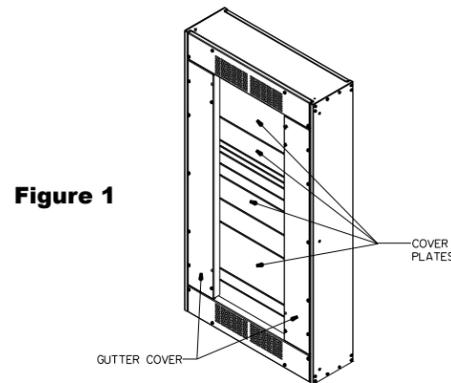


Figure 1

3. Reference fig. 2 - To locate mounting position of a JD, SJD, LD, SLD Frame main breaker, measure 15" from the top (or bottom for bottom feed applications) of Z-rail and mark position on Z-rail. The marked position acts as top (or bottom) of unit space for the strap assembly as shown in fig. 6 for deep mount (P5) or fig. 8 for shallow mount (P4).

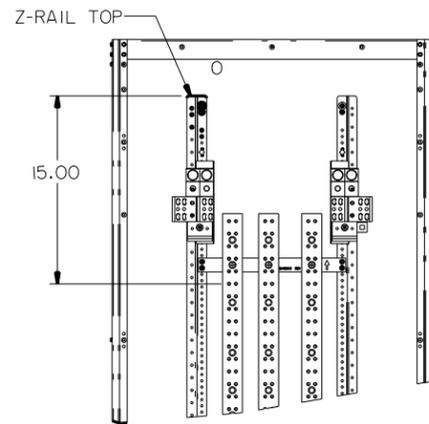


Figure 2

4. Open the shipping box and check the contents against the following list:

ITEM	DESCRIPTION	QTY.
1	1/4-20 X 1-1/4" SHWHSW	12
2	1/4-20 X 1/2" SHWHSW	6
3	1/4-20 X 1/2" SHWHSW SMALL HEAD	4
4	1/4-20 X 2-3/4" SHWHSW	2
5	1/4-20 X 3/8" SHWHSW	2
6	5/16-18 X 1-1/8" HWHSW SEMS	3
7	BREAKER MOUNT	1
8	BREAKER MOUNTING BRACKET	2
9	CARD HOLDER	1
10	CIRCUIT ID CARD	1
11	FRONT PLATE - JD & LD	1
12	FRONT PLATE - SJD & SLD	1
13	JD & LD INSTALLATION INSTRUCTIONS	1
14	LONG PHASE CONNECTOR	1
15	MEDIUM PHASE CONNECTOR	1
16	SHORT PHASE CONNECTOR	1
17	STRAP SUPPORT BARRIER	1

NOTE: (Item 8) Breaker mounting brackets, omitted in shallow P4 Panels.

5. Reference fig. 3 & 4 - Installing the phase connectors for left feed applications (flip assembly for right feed applications). Align the two square holes in the long phase connector (item 14) over the two snaps on the strap support barrier (item 17) and press down latching the phase connector in place on the strap support barrier. Repeat steps for medium phase connector (item 15). NOTE: For shallow mount panels skip to step #8.

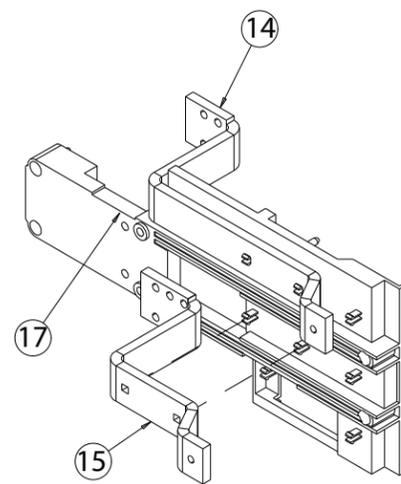


Figure 3
DEEP MOUNT (P5)

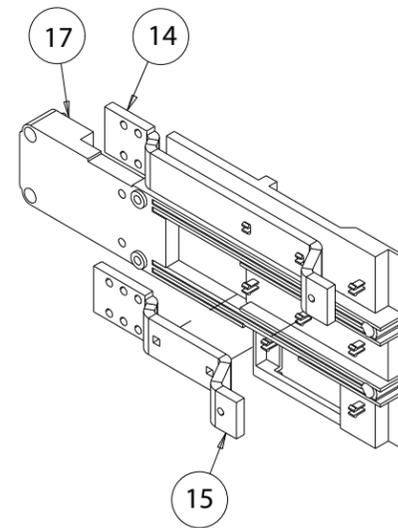


Figure 4
SHALLOW MOUNT (P4)

6. Reference fig. 5 - Attach Mounting Brackets (P5). Locate two 0.312" holes at one end of the support barrier (item 17), insert two 1/4-20 x 1/2" screws (item 2) through the 0.312" holes in the support barrier into the 0.228" holes in the breaker mount (item 8) as shown. Repeat steps for second breaker mount at other end. Install the breaker mounting bracket (item 7). Insert two 1/4-20 X 1/2" screws (item 2) through the two 0.438" diameter holes in the breaker mounting bracket (item 7) and into the threaded inserts on the strap support barrier (item 17) and tighten.

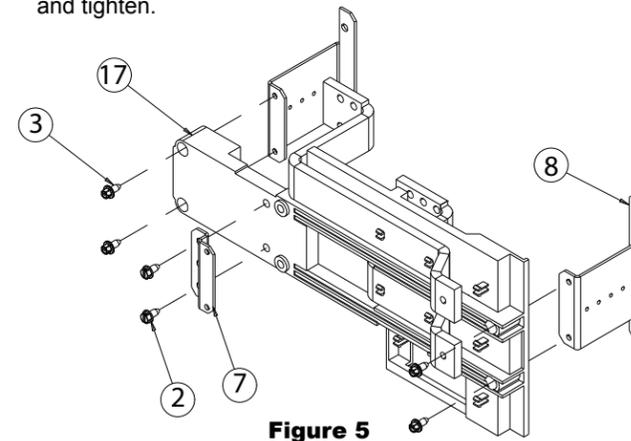
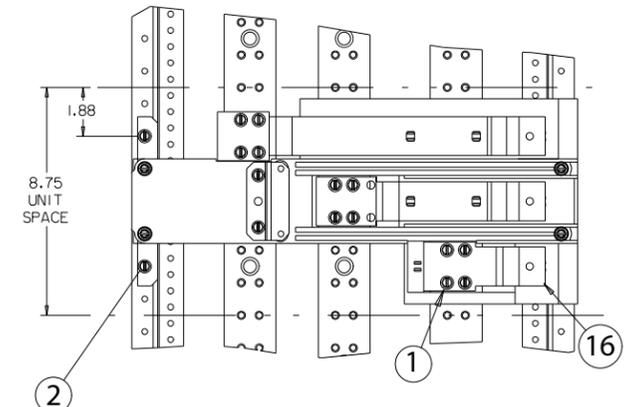


Figure 5
DEEP MOUNT (P5)

7. Reference fig. 6 - Installing support barrier assembly (P5). Locate the 0.228" diameter hole on each Z-rail 1.875" down from the top of the unit space established in step 3. Insert a 1/4-20 X 1/2" screw (item 2) through the top 0.312" diameter holes on the breaker mount (item 8) into the 0.228" diameter hole on the Z-rail. Repeat steps for other three holes. Install short phase connector (item 16) by guiding the end with the four 0.312" diameter holes through the support barrier (item 17) aligning the upper edge of the short phase connector with the upper edge of the medium phase connector (item 15). Insert four 1/4-20 X 1-1/4" thread forming screws (item 1) through the 0.312" diameter holes in the short phase connector and into the 0.228" holes in the section bus and tighten. Repeat steps for medium and long phase connectors. Torque screws (item 1) to values specified on rear of the deadfront. Tighten 1/4-20 X 1/2" screws as required. Skip to step 10.



Note: orientation shown for left feed. For right feed, rotate 180 degrees.

Figure 6
DEEP MOUNT (P5)

8. Reference fig. 7 - Attach Breaker Mounting Brackets (P4). Insert two 1/4-20 X 1/2" screws (item 2) through the two 0.438" diameter holes in the breaker mounting bracket (item 7) and into the threaded inserts on the strap support barrier (item 17) and tighten as shown.

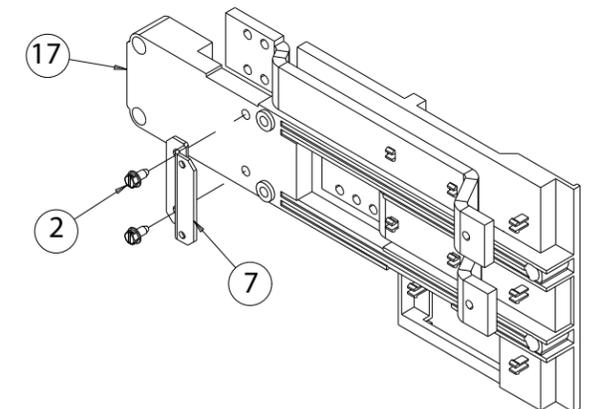


Figure 7
SHALLOW MOUNT (P4)