Expander Chassis (T8300)

The expander chassis, shown in Figure 6-1, can be either swing frame or fixed frame mounted. The chassis may also be panel (rear) mounted by the addition of a panel mounting kit T8380 which comprises pair of brackets with rear facing ears. The chassis houses the expander processors and I/O modules.

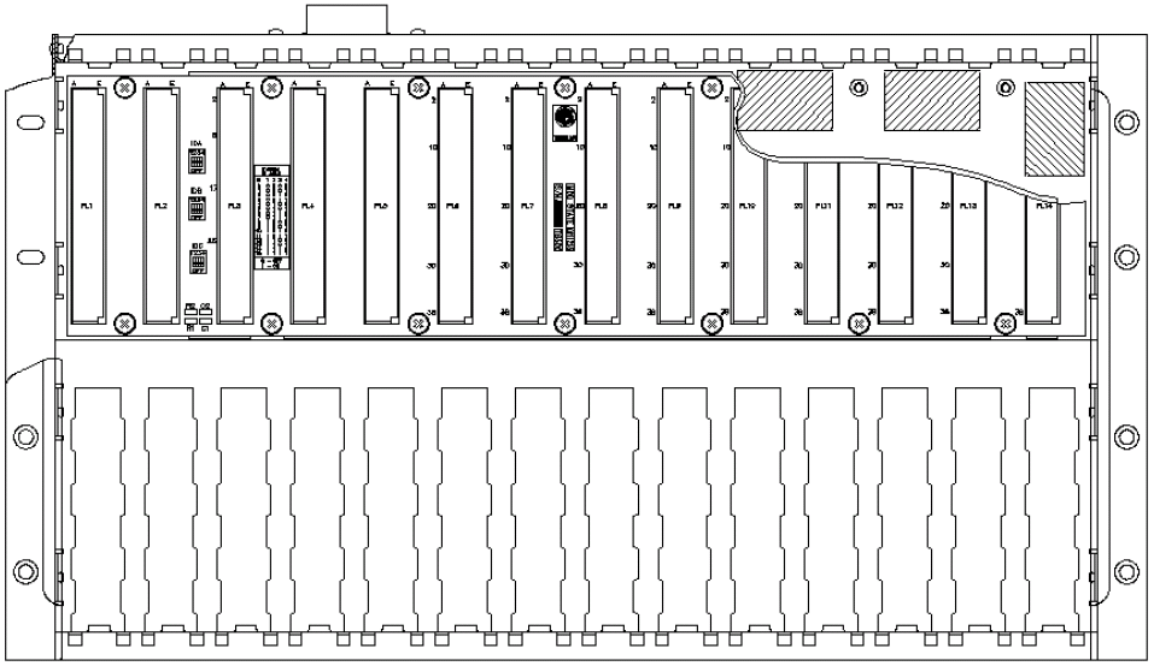
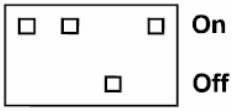


Figure 6-1: Expander Chassis

The chassis is populated with up to two single-width expander processors and up to 12 single-width modules (I/O or comms). Expander processors may only be installed in the two left-most slots (positions 13 and 14, with 13 on the left). I/O and/or comm modules may be installed in the remaining 12 slots (numbered 1 through 12, left to right).

Backplane Configuration

System ID A.B.C				
ID	1	2	3	4
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1
1 - OFF 0 - ON				



Switch set for ID = 2

Figure 6-2: System ID Settings

The backplane contains a user-configurable setting required for chassis identification. This setting represents the chassis number 0 to 15. The controller chassis defaults as chassis number 1. The first expander chassis would be set as number 2. The setting is implemented via three 4-position DIP switches. All three address settings must be the same. A table adjacent to the DIP switches shows the required settings for each system, as shown in Figure 6-2.

External Power

Redundant +24Vdc power is supplied to a plug connector at the rear top of the chassis (the same as the controller chassis shown in Figure 5-2). Redundant power is supplied to all modules in the chassis.