Controller Chassis (T8100)

The controller chassis 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 that comprises a pair of brackets with rear facing ears. The chassis can house up to two TMR processor modules and up to eight I/O and/or interface modules. The inter-module bus (IMB) backplane is part of the chassis and provides the electrical interconnection and other services for the modules. The maximum data transfer rate of the IMB is 150Mbaud. There are no user-serviceable parts inside the chassis.

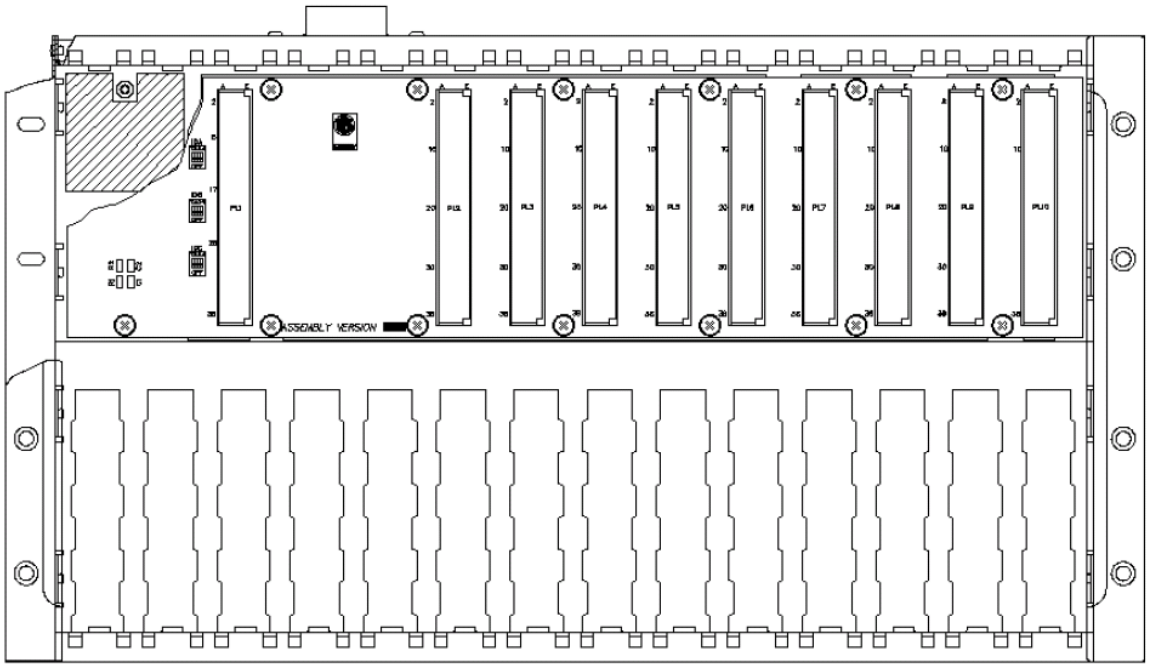


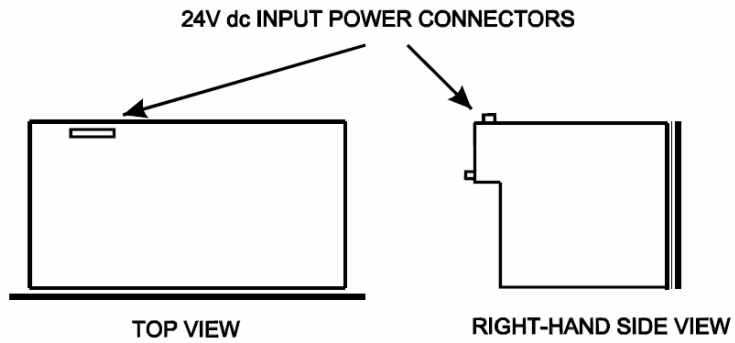
Figure 5-1: Controller Chassis and Backplane

Modules are inserted by sliding them carefully into their slot position. Ensure that the U-channels of the module top and bottom casings engage the raised guides of the upper and lower chassis plates. Ejector levers on the modules secure the modules within the chassis.

Slot Positions

The two left-most module positions are triple width and are used to accommodate TMR processors. The first slot is designated logical 0 and the adjacent slot logical 15. The remaining module positions are designated logical 1 to 8 from left to right. The modules occupying these slots are defined in both the system and I/O configuration managers, as described in Sections 8 and 9.

External Power



Redundant +24Vdc power is supplied to a plug connector at the rear top of the chassis, as shown in Figure 5-2. Redundant power is supplied to all modules in the chassis through the backplane.

Figure 5-2: Power Connection