

Chapter 1 Bypass Operation 1119

Operation of the Bypass consists of switching power between main RPP power and reserve power. All controls are on the front of the Retrofit Bypass Cabinet in the Mechanical Transfer Compartment:

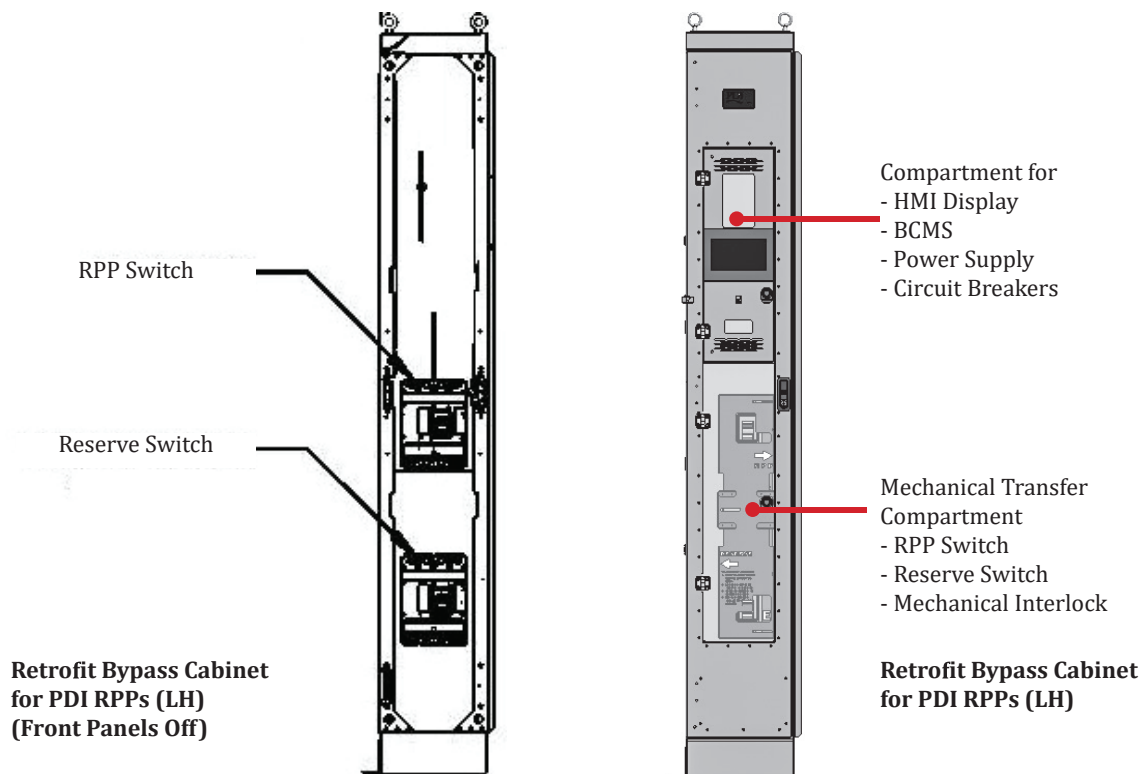
- RPP Power Switch
- Reserve Power Switch
- Mechanical Interlock to prevent both switches being on at the same time.

The Mechanical Interlock also has a label with switching instructions.

To switch power between power sources, do the following:

1. Open Mechanical Transfer Compartment Door (see [Figure 1](#)).

Figure 1. Mechanical Transfer Compartment Access



2. Open (turn off) both Power Switches in the Mechanical Transfer Compartment.
3. Slide the Mechanical Transfer Interlock from one side to the other to switch the power source feeding the load (see [Figure 2](#)).
 - Right=RPP (250A reactor) powers the load.
 - Left=Reserve powers the load.

Figure 2. Mechanical Transfer Interlock

Interlock allows only (1) switch to be closed at time.

Here the RPP Switch can be closed.

Interlock requires at least one switch to be open.

Here the Reserve Switch is open.



Latch can be depressed on each or both sides to allow Interlock to slide.



Front label provides instructions.



4. Close (turn on) the RPP Power Switch or the Reserve Power Switch according to which power source should power the load.

⚠ CAUTION

The power-switching operation must be conducted in less than 60 seconds to prevent loss of power to the load.

5. Close Mechanical Transfer Compartment Door.