

Layout

ckt	ckt	14 in. - 18 Ckt. Chassis Includes PRC1000 Controller
1	2	
3	4	
5	6	20 in. - 30 Ckt. Chassis Includes PRC1000 Controller
7	8	
9	10	
11	12	
13	14	26 in. - 42 Ckt. Chassis Includes PRC1000 Controller
15	16	
17	18	
19	20	
21	22	
23	24	Note: PRC1000 Chassis is located at the Top of the panel- board immediately above the breakers.
25	26	
27	28	
29	30	
31	32	
33	34	
35	36	
37	38	
39	40	
41	42	
PRC1000 Controller		
Main Lug Section		2 in. — 100 Amp MLO 4 in. — 225 Amp MLO
Vertically Mounted		8 in. — 100 Ampere Frame EHD, EDB, EDS, ED, EDH, FD, HFD 9 in. — 225 Ampere Frame EDB, EDS, ED, EDH, FD, HFD, FDC

Figure 23.2-1. Pow-R-Command PRC1000 Layout

PRC1000 Panel Layout Instructions

- Select PRC1000 Panelboard Chassis from **Figure 23.2-1**.
 - Determine required mains (lugs or breaker)
 - Select appropriate Main Lug
 - Select appropriate Main Device
 - Select appropriate branch breakers
- Layout panel as shown in **Figure 23.2-1**. Total "in." determine box height shown in **Table 23.2-3**. (When total "in." units exceeds the number shown, use next size box size.)

Layout Example

- Panel Description:
 - PRC1000, 3-phase 4-wire, 208Y/120 Vac, interrupting rating of 10,000 AIC symmetrical: 225 ampere main lugs only at bottom, surface mounted and the following branch breakers
 - 36 – 20 ampere, 1-pole BABRSP
 - 6 – 20 ampere, 1-pole BABRSP spaces
- Layout information from **Figure 23.2-1**.
 - PRC1000 with 42-circuit Interior 26 in.
 - 225 ampere Main Lugs Section 4 in.
 - Total Panelboard Height 30 in.
- From **Table 23.2-3**:
 - Panel Height: 30 in. 20 in. wide x 5.75 in. deep
 - Box Height: 48 in.
 - Box Catalog Number: YS2048 or EZB2048R
 - Trim Catalog Number: LT2048S or EZT2048S

Table 23.2-3. Box Selection — Dimensions in Inches (mm)

Maximum Panel Height	Box Height, Inches	Catalog Number			
		YS Box	LT Trim	EZ Box	EZ Trim
20-Inch Wide x 5.75-Inch Deep Boxes					
0 – 22.00	36.00	YS2036	LT2036S or F	EZB2036R	EZT2036S or F
23.00 – 28.00	42.00	YS2042	LT2042S or F	EZB2042R	EZT2042S or F
29.00 – 34.00	48.00	YS2048	LT2048S or F	EZB2048R	EZT2048S or F
35.00 – 46.00	60.00	YS2060	LT2060S or F	EZB2060R	EZT2060S or F
47.00 – 58.00	72.00	YS2072	LT2072S or F	EZB2072R	EZT2072S or F

Cabinets

Trims are code gauge steel, ANSI 61 light gray painted finish. Boxes are code gauge galvanized steel without knockout. Standard size is 20 in. wide x 5.75 in. deep.

Top and Bottom Gutters

6.38 in.

Minimum Side Gutters

4 in. (minimum) on 20 in. wide box size.