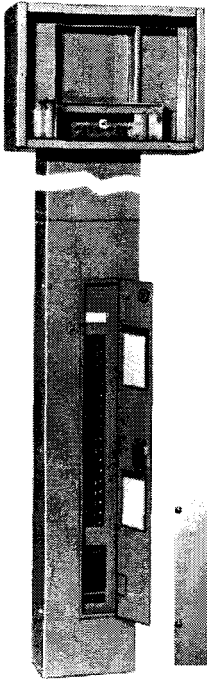
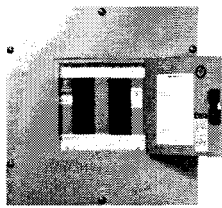


November, 1993  
New Information  
Mailed to: C, D, E /31-400A

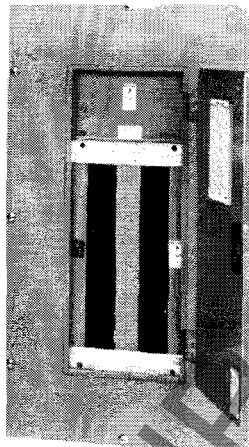
## Panelboards



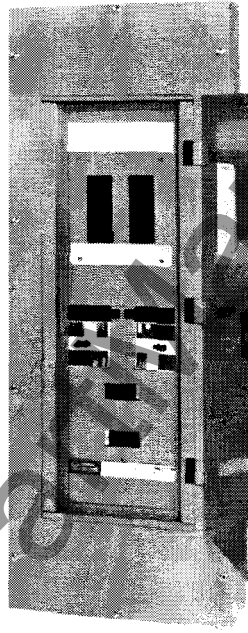
PRL1-LX



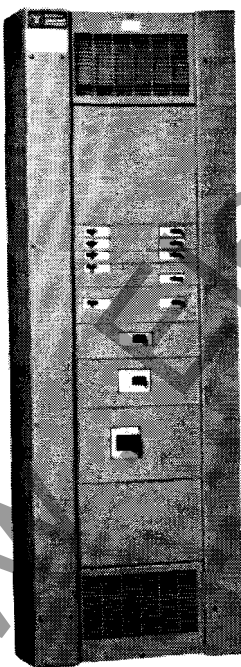
PRL1



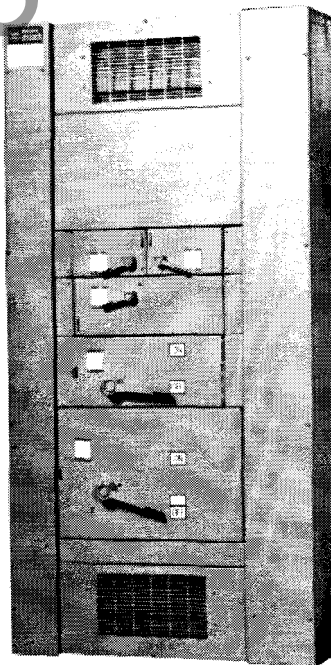
PRL2



PRL3



PRL4B



PRL4F

Contents	Pages
Distributor Ordering Information	2
Customer Identifying Information	3
PRL1 and PRL2	4-5
PRL3	6-7
PRL4	8-12
Energy Sentinel	13
Special Trims and Enclosures	14-15
PRL1-LX, PRL3-LX	16
POW-R-KIT	17
Trim Locks	18
Satellite Plant Information	19

### **Distributor Ordering Instructions**

1. Specify part by the style/catalog number.
2. Refer to Price List 31-491 for pricing information.  
Discount Symbol CE-9 applies.
3. Turn to page 19 to locate the nearest Satellite plant.
4. Enter the order on the Satellite plant via mail, fax,  
or phone.
5. Selling Policy 25-000 applies.

www.ElectricalPartManuals.com

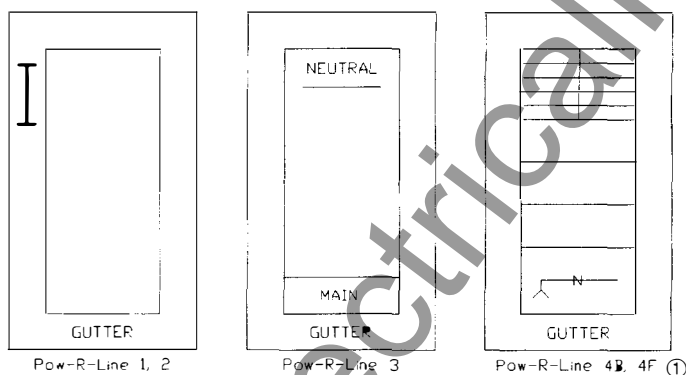
## Procedure for Identifying Panelboard Type

The current line of Pow-R-Line  $\bar{C}$  panelboards was introduced in 1988.

A panelboard is identified by data found on the nameplate. Pow-R-Line  $\bar{C}$  panelboard nameplates are different in appearance but all have the same critical information:

- Ampere rating of the main
- Ampere rating of the neutral
- Type of service (phase/wire)
- Manufacturing location
- Type of panel
- General Order number

In the event the nameplate is missing, it may still be possible to identify the panel type by the location of the neutral bar. The illustrations below show the position of the neutral in the panel.



Box width may also be used to help identify the panelboard type. Standard width for PRL1, PRL2, and PLR3 is 20 inches. PRL4 standard widths are 24, 36, and 44 inches.

① PRL4F panels with vertically mounted main switch will have the neutral mounted at the end opposite the main.

## **WARNING:**

HAZARDOUS VOLTAGE WILL CAUSE SEVERE INJURY OR DEATH. TURN OFF POWER SUPPLY TO EQUIPMENT BEFORE WORKING ON IT.

November, 1993

## Procedure for Identifying Renewal Parts

1. Identify the type of panelboard, i.e. PRL1, PRL2, PRL3, PRL4, PRL1-LX or PRL3-LX by reading the nameplate. (Follow the procedure listed to the left)

2. Refer to the listing below and turn to the proper section in this brochure to identify standard parts and components.

	<b>Pages</b>
PRL1 and PRL2	4-5
PRL3	6-7
PRL4	8-12
Energy Sentinel	13
Special Trims and Enclosures	14-15
Column Type	16
POW-R-KIT	17
Trim Locks	18

3. This book identifies those replacement parts which are most frequently ordered and which are readily available from stock. These parts can be ordered by style number or catalog number to speed up processing and delivery.

## PRL1 and PRL2 PANELBOARDS

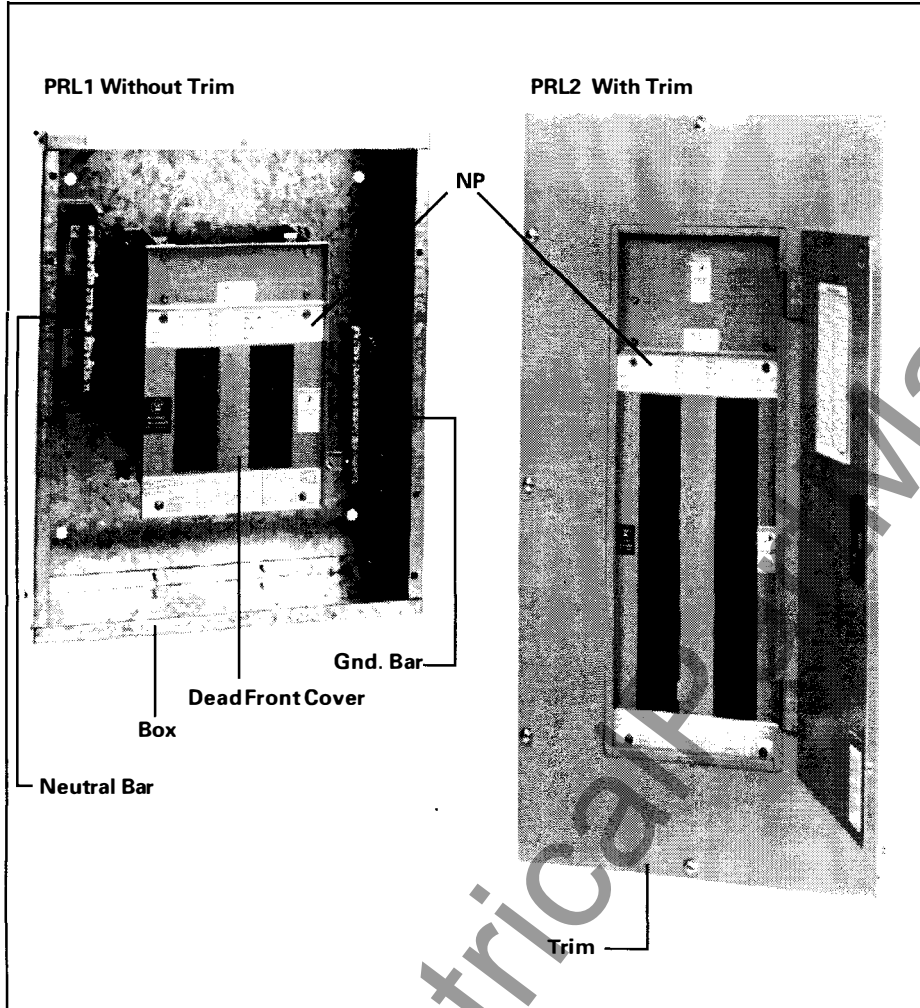


Figure 4.1 PRL1 and PRL2

### Replacement Connectors for PRL1 and PRL2

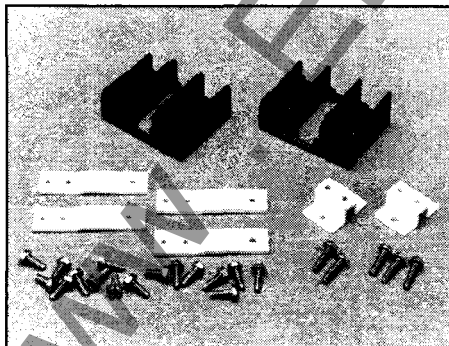


Figure 4.2

Each kit contains two sets of A, B, and C phase connectors, phase isolators, hardware and instructions for mounting up to 12 poles. Silver plated copper connectors are suitable for use with copper or aluminum bus. Maximum amperes connected to any one connector cannot exceed 140A.

Panel Type	Cat No
PRL1	KPRL1BAB
PRL2	KPRL2GHB

### Replacement Boxes and Trims for PRL1 and PRL2

Standard box and trim sizes are shown below. For other sizes contact your local Satellite. For NEMA 12/3R enclosures refer to page 14. Trim mounting may be either surface or flush. Flush trims overlap the box by 3/4" on all sides. Denote on order by using either **S** or **F** in the catalog number.

Box Dimensions (Inches)			NEMA 1	
H	W	D	Box Cat. No.	Trim Cat. No.
21	20	5.75	YS2021	LT2021S/F
24	20	5.75	YS2024	LT2024S/F
27	20	5.75	YS2027	LT2027S/F
30	20	5.75	YS2030	LT2030S/F
33	20	5.75	YS2033	LT2033S/F
36	20	5.75	YS2036	LT2036S/F
39	20	5.75	YS2039	LT2039S/F
42	20	5.75	YS2042	LT2042S/F
45	20	5.75	YS2045	LT2045S/F
48	20	5.75	YS2048	LT2048S/F
51	20	5.75	YS2051	LT2051S/F
54	20	5.75	YS2054	LT2054S/F
57	20	5.75	YS2057	LT2057S/F
60	20	5.75	YS2060	LT2060S/F
63	20	5.75	YS2063	LT2063S/F
66	20	5.75	YS2066	LT2066S/F
69	20	5.75	YS2069	LT2069S/F
72	20	5.75	YS2072	LT2072S/F
75	20	5.75	YS2075	LT2075S/F
78	20	5.75	YS2078	LT2078S/F
81	20	5.75	YS2081	LT2081S/F
84	20	5.75	YS2084	LT2084S/F
87	20	5.75	YS2087	LT2087S/F
90	20	5.75	YS2090	LT2090S/F

# PRL1 and PRL2 PANELBOARDS

## 100A Neutral Bar

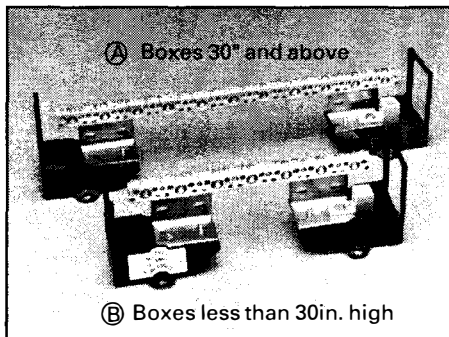


Figure 5.1

(A) Style No. 5158C03G02  
(B) Style No. 5158C03G01

## 225A Neutral Bar

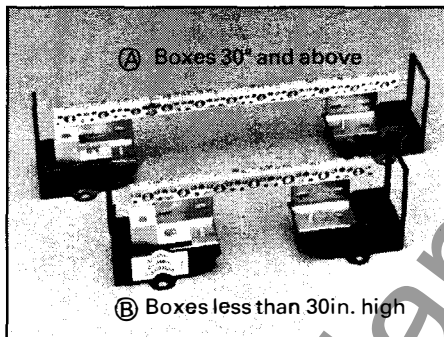


Figure 5.2

(A) Style No. 5158C03G04  
(B) Style No. 5158C03G03

## 400/600A Neutral Bar

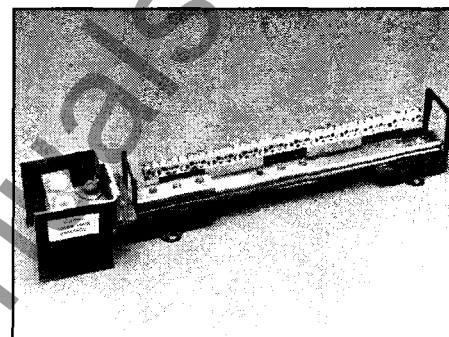


Figure 5.3

Style No. 5158C04G01

## Blank Covers

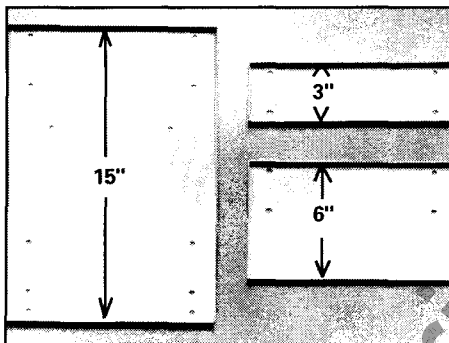


Figure 5.4

15" Style No. 3456B99H05  
3" Style No. 3456B99H01  
6" Style No. 3456B35H01

## Standard Ground Bar



Figure 5.5

(A) Style No. 5158C05G02  
(B) Style No. 5158C05G01

## Isolated Ground Bar

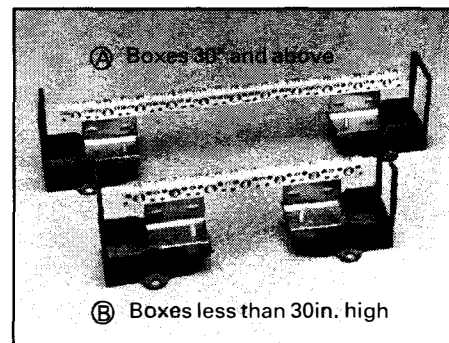


Figure 5.6

(A) Style No. 5158C05G06  
(B) Style No. 5158C05G05

## Branch Section Dead Front Covers

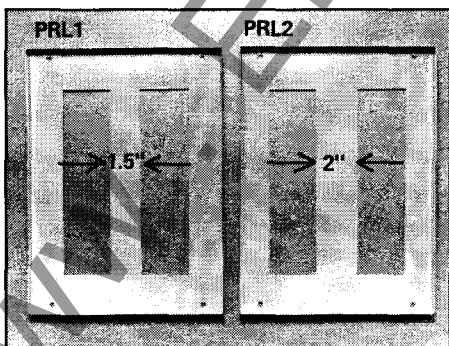


Figure 5.7

PRL1/2 Branch Section Dead Front Covers

Max. No. of circuits	Cover Ht. (inches)	Cover Style Number	
		PRL1	PRL2
12	10	5156C09H01	5156C10H01
18	13	5156C09H02	5156C10H02
24	16	5156C09H03	5156C10H03
30	19	5156C09H04	5156C10H04
36	22	5156C09H05	5156C10H05
42	25	5156C09H06	5156C10H06
48	28	5156C09H07	5156C10H07
54	31	5156C09H08	5156C10H08
60	34	5156C09H09	5156C10H09

# PRL3 PANELBOARDS

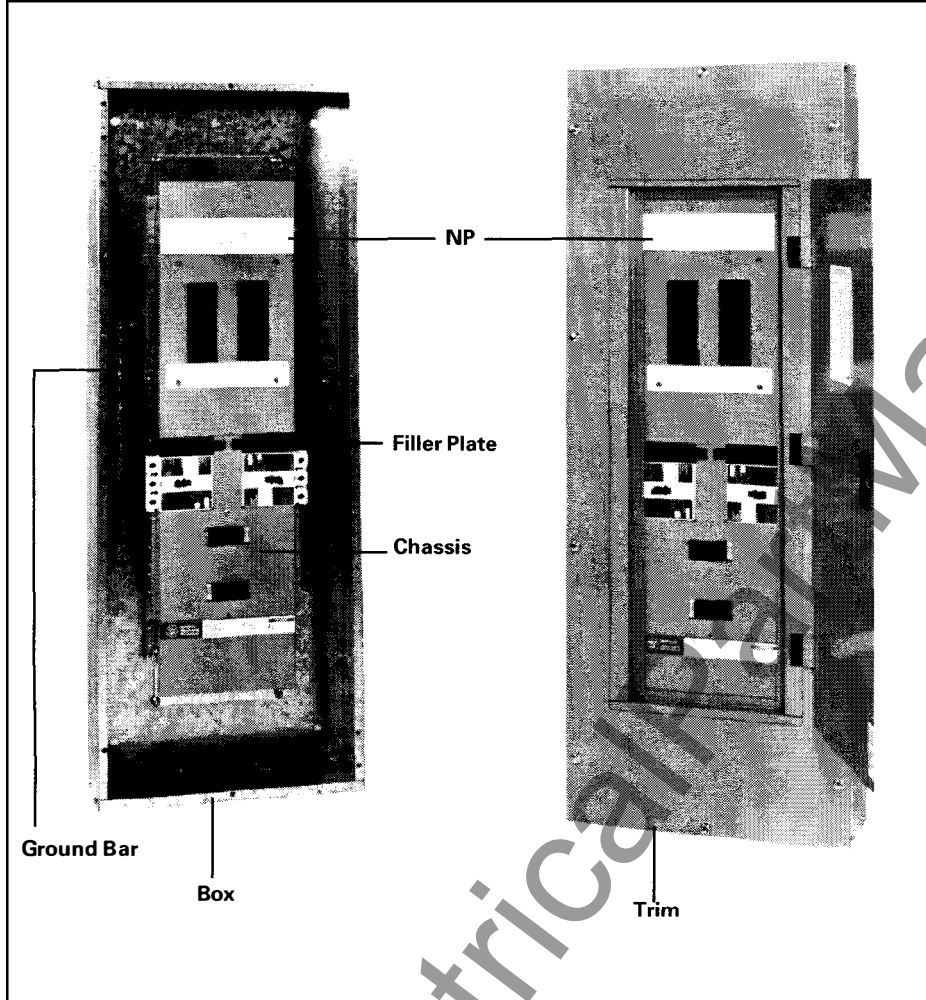


Figure 6.1 PRL3

## Standard Ground Bar

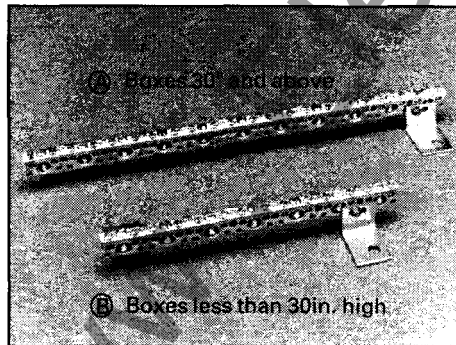


Figure 6.2

- Ⓐ Style No. 5158C05G02
- Ⓑ Style No. 5158C05G01

## Replacement Boxes and Trims for PRL3

Standard boxes and trim sizes are shown below. For other sizes contact your local Satellite. For NEMA 12/3R enclosures refer to page 14. Trim mounting may be either surface or flush. Denote on the order by using either **S** or **F** in the catalog number. Flush trims overlap the box by 3/4" on all sides.

Box Dimensions (inches)			NEMA 1	
H	W	D	Box Cat. No.	Trim Cat. No.
27	20	5.75	YS2027	LTT2027S/F
30	20	5.75	YS2030	LTT2030S/F
33	20	5.75	YS2033	LTT2033S/F
36	20	5.75	YS2036	LTT2036S/F
39	20	5.75	YS2039	LTT2039S/F
42	20	5.75	YS2042	LTT2042S/F
45	20	5.75	YS2045	LTT2045S/F
48	20	5.75	YS2048	LTT2048S/F
51	20	5.75	YS2051	LTT2051S/F
54	20	5.75	YS2054	LTT2054S/F
57	20	5.75	YS2057	LTT2057S/F
60	20	5.75	YS2060	LTT2060S/F
63	20	5.75	YS2063	LTT2063S/F
66	20	5.75	YS2066	LTT2066S/F
69	20	5.75	YS2069	LTT2069S/F
72	20	5.75	YS2072	LTT2072S/F
75	20	5.75	YS2075	LTT2075S/F
78	20	5.75	YS2078	LTT2078S/F
81	20	5.75	YS2081	LTT2081S/F
84	20	5.75	YS2084	LTT2084S/F
87	20	5.75	YS2087	LTT2087S/F
90	20	5.75	YS2090	LTT2090S/F

# PRL3 PANELBOARDS

## Replacement Connectors for EHD, FDB, FD, HFD and FDC Breakers

Kit contains A, B, and C phase connectors, hardware and instructions to twin mount two 3 pole F frame breakers. Maximum amperes connected to any one connector cannot exceed 200 A.

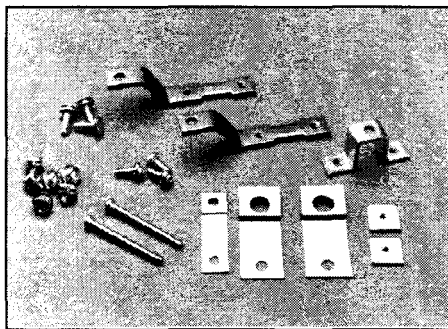


Figure 7.1

Catalog No.

KPRL3FD

## Replacement Connectors for CA, CAH, and HCA Breakers

Kit contains A, B, and C phase connectors, hardware, cover and instructions to mount one 2 or 3 pole CA frame breaker.

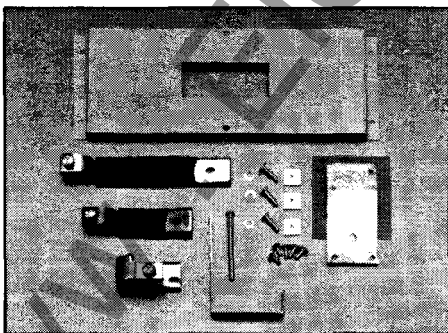


Figure 7.2

Catalog No.

KPRL3CA

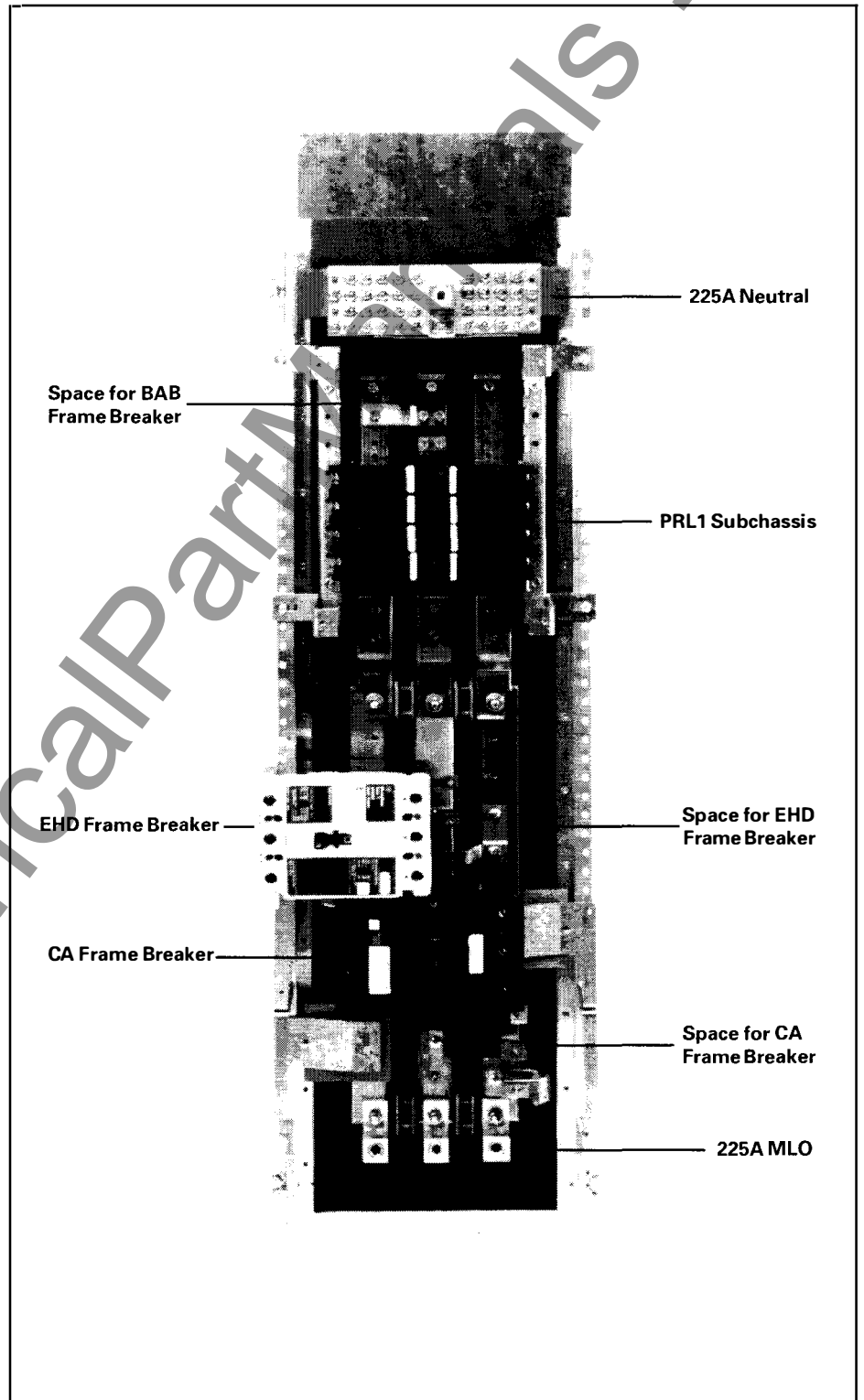


Figure 7.3 PRL3 Interior

# PRL4 PANELBOARDS

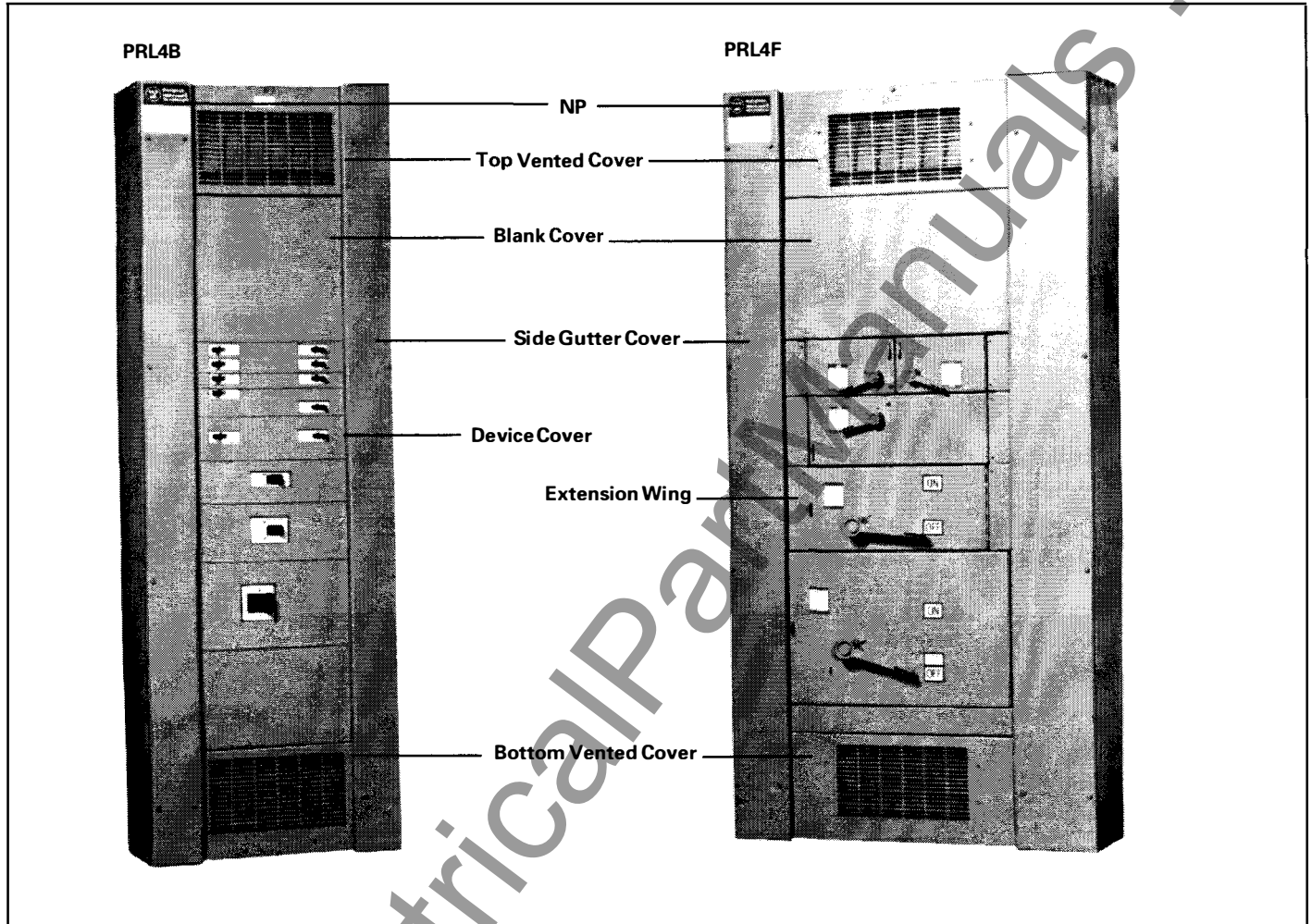


Figure 8.1 PRL4B and PRL4F

## Vented Cover Assemblies and Side Gutter Covers

NEMA 1 Box			Catalog No.	Vented Cover Assembly ②	Side Gutter Covers			
Dimensions (in.)					Left		Right	
H	W	D ①		Size (in.)	Style No.	Size (in.)	Style No.	
57	24	10.4	BX2457	CVRASSY2457	5 x 57	6555C20H01	5 x 57	6555C20H01
73	24	10.4	BX2473	CVRASSY2473	5 x 73	6555C21H01	5 x 73	6555C21H01
90	24	10.4	BX2490	CVRASSY2490	5 x 90	6555C25H01	5 x 90	6555C25H01
73	36	10.4	BX3673	CVRASSY3673	6 x 73	6555C22H01	8 x 73	6555C23H01
90	36	10.4	BX3690	CVRASSY3690	6 x 90	6555C26H01	8 x 90	6555C27H01
73	44	10.4	BX4473	CVRASSY3673	8 x 73	6555C23H01	14 x 73	6555C24H01
90	44	10.4	BX4490	CVRASSY3690	8 x 90	6555C27H01	14 x 90	6555C28H01

① Covers add .90 inches to box depth for overall enclosure depth of 11.30 inches.

② Cover Assembly consists of 2 side rails, top and bottom vented covers, individual device covers and or/blank covers. **Important: Layout information must be provided with an order.**



# PRL4 PANELBOARDS

## PRL4 Blank Covers

Used to cover blank space on chassis. All PRL4 cover heights are measured in "X" units. 1X equals 1 3/8 inches.

Cover Size	Style Number	
	24"W Box	36/ 44"W Box
1X	6554C01H01	6554C02H01
2X	6554C01H02	6554C02H02
3X	6554C01H03	6554C02H03
4X	6554C01H13	6554C02H13
5X	6554C01H14	6554C02H14
6X	6554C01H04	6554C02H04
7X	6554C01H05	6554C02H05
9X	6554C01H06	6554C02H06
10X	6554C01H07	6554C02H07
11X	6554C01H08	6554C02H08
12X	6554C01H09	6554C02H09
13X	6554C01H10	6554C02H10
15X	6554C01H11	6554C02H11
20X	6554C01H12	6554C02H12

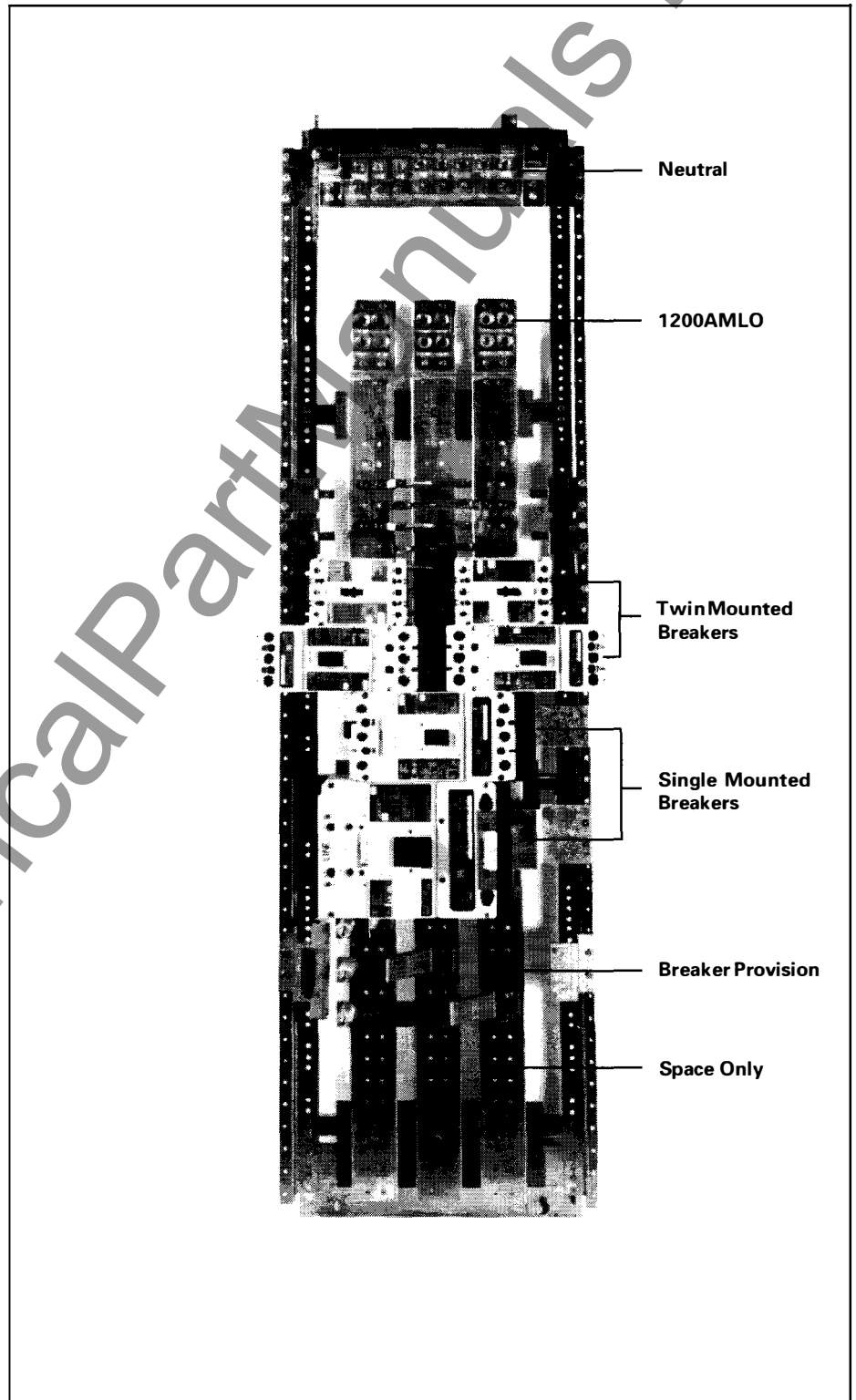


Figure 9.1 PRL4B Interior

## PRL4 PANELBOARDS

### PRL4 Breaker Connector Kits

Each kit includes copper connectors, mounting brackets, covers, hardware and instructions for mounting breaker(s) in a PRL4. **BREAKERS ARE NOT INCLUDED.** Contact your local Satellite plant for availability and application information.

Space Required		Breaker Frames	Poles	Type of Mounting	Connector kit Catalog No.
Inches	"X"				
2.750	2X	EHD, FD, HFD	1 ①	twin	KPRL4FD1
		EHD, FD, FDB, HFD, FDC CA, CAH, HCA	2	twin	KPRL4FD2 KPRL4CA2
4.125	3X	EHD, FD, FDB, HFD, FDC FCL, FB-P, FD/LFD CA, CAH, HCA	3	twin twin twin	KPRL4FD KPRL4FBP KPRL4CA
		JD, JDB, HJD, JDC JD, JDB, HJD, JDC	2,3	single twin	KPRL4JDS KPRL4JDT ②
		DK, KD, KDB, HKD, KDC DK, KD, KDB, HKD, KDC CKD, CHKD	2,3	single twin single	KPRL4KDS KPRL4KDT ③ KPRL4CKD ④
8.250	6X	LCL	2,3	single	KPRL4LCL ②
		LA-P		single	KPRL4LAP ②
		LD, LDB, HLD, LDC, CLD, LC		single	KPRL4LD ②
		MC, MCC, HMC, MCV, MDS		single	KPRL4MC ②
		NB-P		single	KPRL4NBP ③
		NC, HNC, NCY	single	KPRL4NC ②	
CND, CHND ND, HND	3	single single	KPRL4CND ③ ④ KPRL4ND ②		

### PRL4 Fusible FDP Connector Kits

Each kit includes copper connectors, extension wings (when required), hardware and instructions to horizontally mount an FDP switch. **SWITCHES ARE NOT INCLUDED.** Contact your local Satellite plant for availability and application information.

Switch Height		Switch Rating	3P FDP Catalog No.		Connector Kit Catalog No.
Inches	"X" space		240V	600V	
5.500	4X	30A/30A	FDPT3211R	FDPT3611R	KPRL44X
		60A/60A	FDPT3222R	FDPT3622R	
		100A/100A	FDPT3233R	—	
6.875	5X	100A	FDPS323R	FDPS363R	KPRL45XS
6.875	5X	100A/100A	—	FDPT3633R	KPRL45X
8.250	6X	200A	FDPS324R	FDPS364R	KPRL46X
15.125	11X	400A	FDP325R	FDP365R	KPRL411X
15.125	11X	600A	FDP326R	FDP366R	KPRL411X
22.000	16X	800A	—	FDPS367R	KPRL416X ③
22.000	16X	1200A	—	FDPS368R	KPRL416X ③

- ① Two sets of twin mounted 1 pole breakers.
- ② 36" minimum box width required.
- ③ 44" box width required.
- ④ Requires density rated bus in existing panel chassis.

# PRL4 PANELBOARDS

## PRL4 Fusible FDPW Connector Kits

The FDPW switch design was first introduced in 1992 and will eventually replace the FDP line of switches. A new 200A twin switch is also offered. Each kit includes copper connectors, extension wings (when required), hardware and instructions to horizontally mount an FDPW switch. **SWITCHES ARE NOT INCLUDED.** Contact your local Satellite plant for availability and application information.

Switch Height		Switch Rating	3P FDPW Catalog No.		Connector Kit Catalog No.
Inches	"X" space		240V	600V	
8.250	6X	200A/200A	FDPWT3244R	FDPWT3644J	KPRL4W6XT ①
12.375	9X	400A	FDPW325R	FDPW365R	KPRL4W9X
15.125	11X	600A	FDPW326R	FDPW366R	KPRL4W11X
15.125	11X	800A	FDPW327	FDPW367	KPRL4W11X ①

### Connector Kit

Each kit includes copper connectors, mounting brackets, covers, hardware and instructions

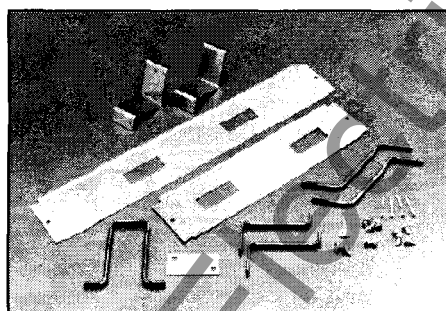


Figure 11.1

### Hardware Kit

Each kit includes mounting bracket(s) and mounting hardware ONLY. Use the appropriate Connector Kit catalog number and add an "H" to designate hardware only. (Example: KPRL4FD-H)

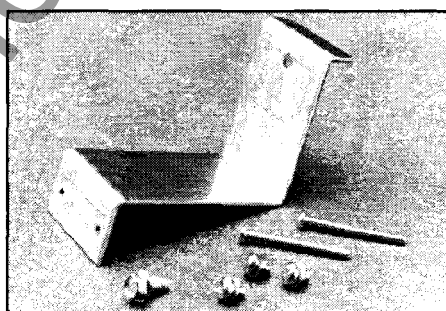


Figure 11.2

### Standard Ground Bus

Copper bus with 3 #6-300MCM lugs plus a 24 circuit terminal bar with #14-1/0 wire range.

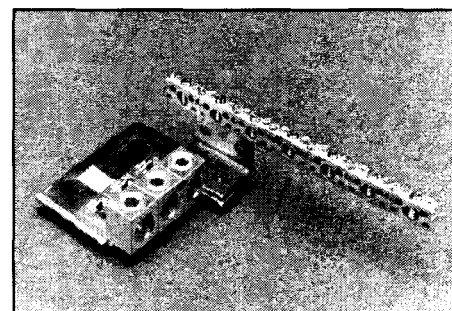


Figure 11.3  
Style No.

6572C74G01

① 44" box width required for both R and J fuse applications.

# PRL4 PANELBOARDS

## PRL4 Breaker Retrofit Kits

Each kit includes **ONE** breaker, copper connectors, covers, hardware and instructions to mount in PRL4.

Frame Rating	Breaker Frame	Trip Range	Type of Mounting
225A	CA	125-225	twin
	CAH	125-225	twin
	HCA	125-225	twin
100A	EHD	15-60	twin
	EHD	70-100	twin
	FDB	15-60	twin
	FDB	70-100	twin
	FD	15-60	twin
	FD	70-100	twin
	HFD	15-60	twin
	HFD	70-100	twin
	FDC	15-60	twin
	FDC	70-100	twin
	FCL	15-100	twin
150A	FB-P	15-100	twin
	FDB	110-150	twin
	FD	110-150	twin
	HFD	110-150	twin
250A	FDC	110-150	twin
	JD	70-225	twin/single
	JD	250	twin/single
	HJD	70-225	twin/single
	HJD	250	twin/single
400A	JDC	70-225	twin/single
	JDC	250	twin/single
	KD	100-400	twin/single
	HKD	100-400	twin/single
	KDC	100-400	twin/single
600A	CKD	100-400	single
	LCL	125-400	single
	LA-P	70-400	single
	LD	300-600	single
	CLD	300-600	single
	HLD	300-600	single
800A	CHLD	300-600	single
	LDC	300-600	single
	CLDC	300-600	single
	ND	400-800	single
	HND	400-800	single
	CND	400-800	single
	MC	400-800	single
	MCC	400-800	single
	MCY	400-800	single
HMC	400-800	single	
1200A	HMCC	400-800	single
	NB-P	300-800	single
	ND	600-1200	single
	HND	600-1200	single
	NC	600-1200	single
	HNC	600-1200	single
	CND	600-1200	single

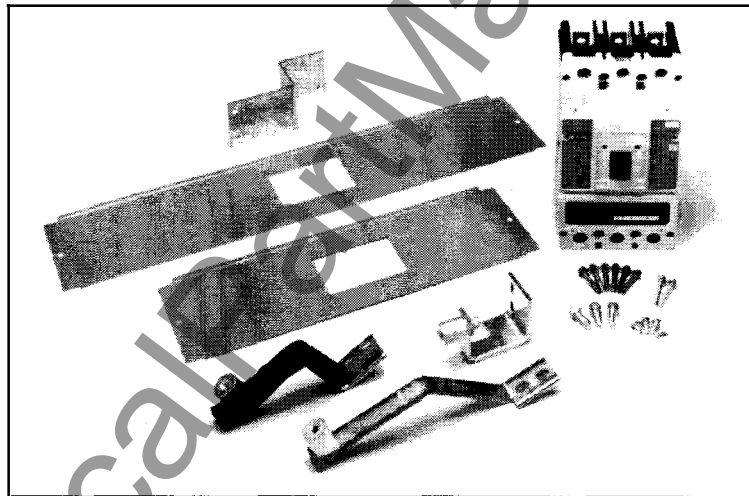
### How to order a Breaker Retrofit Kit by catalog number:

Use "KPRL4" prefix and add catalog number of breaker as shown below. Use suffix of "T" or "S" to denote twin or single mounting.

Twin mounting indicates that only one set of connectors is required to mount two breakers (of similar frames) opposite one another. **RETROFIT KIT INCLUDES ONE BREAKER ONLY, FOR EITHER SINGLE OR TWIN MOUNTED APPLICATIONS.**

**Example:** The Retrofit Kit catalog number for a 3 pole, 400A, KD breaker, single mounted, is:

**KPRL4**      **KD**      **3**      **400**      **S**  
 Designates Breaker 2=2 pole      Amperage      T= Twin  
 PRL4      Frame      3=3 pole      S= Single  
 connector  
 kit



**Figure 12.1 Breaker Retrofit Kit**

## PRL4 Fusible Retrofit Kits

Each kit includes a 3 pole switch, copper connectors, extension wings (if required), hardware and instructions to horizontally mount in a PRL4.

Switch Rating	Switch Type	Type of Mounting
30A/30A	FDP	twin
60A/60A	FDP	twin
100A/100A	FDP	twin
100A	FDP	single
200A	FDP	single
200/200A	FDPW	twin
400A	FDPW	single
600A	FDPW	single
800A	FDPW	single
1200A	FDP	single

### How to order a Fusible Retrofit Kit by catalog number:

Use "KPRL4" prefix and add catalog number of appropriate switch (refer to pages 10-11 for 3 pole switch catalog numbers).

**Example:** The Retrofit Kit catalog number for a 600V, 100A twin FDP switch is:

**KPRL4**      **FDP**      **T**      **3**      **6**      **33**      **R**  
 Designates FDP      T=twin      3=3pole      2=240V      11=30/30      5=400A      Fuse application  
 PRL4      FDPW      S=single      6=600V      22=60/60A      6=600A      R=R fuse  
 connector                          33=100/100A      7=800A      J=J fuse  
 kit                          44=200/200A      8=1200A      T=T fuse

# PRL4 PANELBOARDS

## Energy Sentinel

The IQ Energy Sentinel is a submetering device that mounts directly on a circuit breaker and monitors both power and energy with an overall accuracy of 99%. This high system accuracy is achieved by use of the Westinghouse Distribution and Control SURE Plus Chip, which is a sophisticated microprocessor.

All that is necessary to complete an IQ Energy Sentinel installation is to insert it into the load side of a breaker; feed the load conductors through it; connect a neutral wire; and run the shielded twisted pair wire for communications. The IQ Energy Sentinel has a nonvolatile memory, is powered by the circuit breaker, and can be applied on three-phase, four-wire or single phase, three wire systems.

The space saving design characteristics of the IQ Energy Sentinels means they can be quickly and easily retrofitted onto Series C circuit breakers in existing equipment...with no additional space required. Additionally, IQ Energy Sentinels can be installed when upgrading to Series C from older breakers that are physically interchangeable...with no additional space requirements.

Power and energy information from IQ Energy Sentinels can be communicated to a PC, a panel mounted Central Energy Display (CED), or even existing building management or distribution control systems.

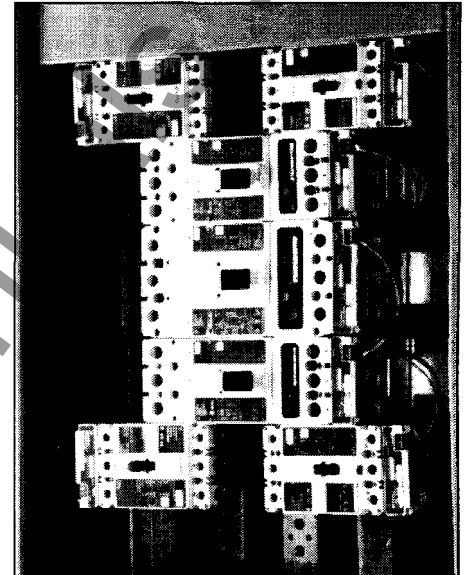


Figure 13.1

## Energy Sentinel

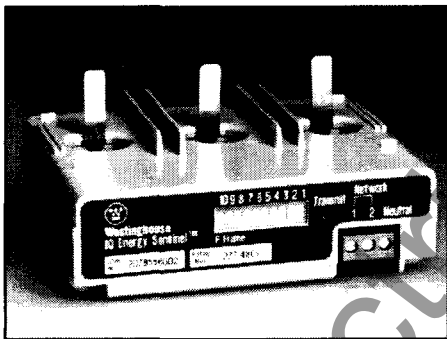


Figure 13.2

Series C Breaker Frame	Voltage AC	Max. Amps	Energy Sentinel Catalog Number
F	120/208, 120/240	150	IOESF208
F	277/480	150	IOESF480
J	120/208, 120/240	250	IOESJ208
J	277/480	250	IOESJ480
K	120/208, 120/240	400	IOESK208
K	277/480	400	IOESK480

## IQ Central Energy Display



Figure 13.3

The IQ Central Energy Display may be panel mounted or located remotely (up to 7500 feet away). It displays power, peak demand, and energy readings of up to fifty IQ Energy Sentinels and eight IQ Data Plus II digital meters.

Additional capabilities include: peak demand alarming, demand and energy totals for groups of IQ Energy Sentinels and IQ Data Plus II meters, and communication of data to a remote PC.

Refer to DB 8178 for further technical information.

Refer to your local Satellite for retrofit and upgrade options available for existing equipment.

## PRL1/2/3 SPECIAL TRIMS and ENCLOSURES

### Ventilated Trim

Required on PRL1 and PRL2, 600A panels only. Order by adding the letter "V" to the standard trim catalog number.

**ADD 10% TO STANDARD TRIM LIST PRICE.**

Example: LT2072S becomes **LTV2072S**

Refer to page 4 for the standard trim catalog numbers.

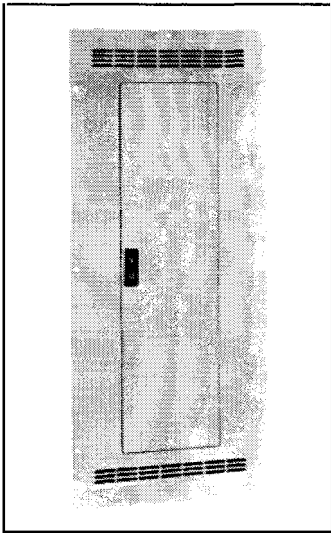


Figure 14.1

### Fastrim

Used when concealed trim mounting hardware is required for PRL1, PRL2, and PRL3. Flush trim utilizes style number 414A380G01 trim clamps. Surface trim utilizes style number 8712C73H01 trim clamps. Trim clamps are included and shipped with the trim. Order by adding the letter "F" to the standard trim catalog number.

**ADD 20% TO STANDARD TRIM LIST PRICE.**

Example: LT2072S becomes **LTF2072S**.

Refer to pages 4 and 6 for standard trim catalog numbers.

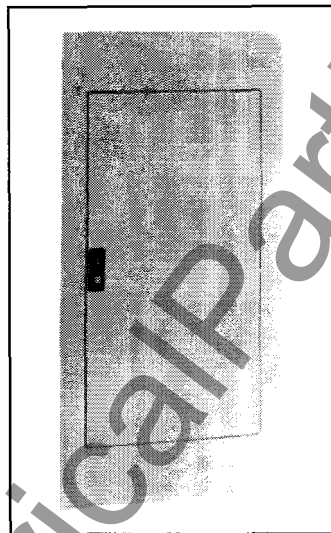


Figure 14.2

### Door-In-Door Trim

Piano hinge on the right side of the trim provides access to the wiring gutters without requiring removal of the trim. Order by adding the letters "DD" to the standard trim catalog number.

**ADD 20% TO STANDARD TRIM LIST PRICE.**

Example: LT2072S becomes **LTDD2072S**.

Refer to pages 4 and 6 for standard trim catalog numbers.

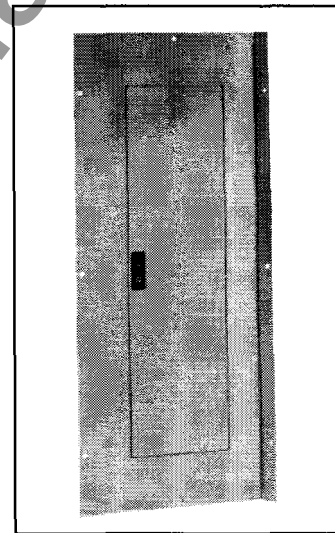


Figure 14.3

### NEMA 12/3R Enclosures

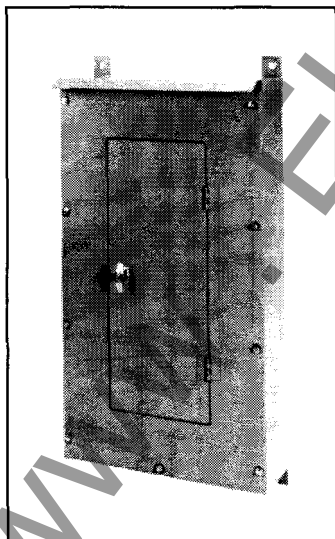


Figure 14.4

The complete enclosure consists of a **box and trim**. The enclosure meets code requirements for both NEMA 12 (dusttight) and NEMA 3R (rainproof) standards. Features include a laser cut trim with rounded corners, concealed hinges and a T-handle lock. Gasketing is provided around the trim door. The gasketed box is made of code gauge steel with dripshield and is painted ASA-61

#### NEMA 12/N3R Enclosures for PRL1/2/3

Box Dim. (in.)			Catalog Numbers		
H	W	D	Box	PRL1/2 Trim	PRL3 Trim
24	20	6	<b>GWPB2024</b>	<b>LWPT2024</b>	----
36	20	6	<b>GWPB2036</b>	<b>LWPT2036</b>	<b>LWT2036</b>
48	20	6	<b>GWPB2048</b>	<b>LWPT2048</b>	<b>LWT2048</b>
60	20	6	<b>GWPB2060</b>	<b>LWPT2060</b>	<b>LWT2060</b>
72	20	6	<b>GWPB2072</b>	<b>LWPT2072</b>	<b>LWT2072</b>
78	20	6	<b>GWPB2078</b>	<b>LWPT2078</b>	<b>LWT2078</b>

## PRL4 SPECIAL TRIMS and ENCLOSURES

### Door-In-Door Trim

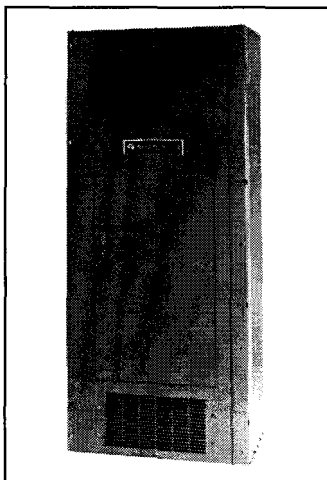


Figure 15.1

A piano hinge on the right side of the trim provides access to the wiring gutter without requiring the removal of the trim. When used with a standard PRL4 box, a special mounting channel must be used to add extra depth to the enclosure.

Standard Box Catalog No.	Mounting Channel Style No.	Door-In Door Trim Catalog No.	
		Surface	Flush
BX2457	6571C19G09	LDD2457STW	LDD2457FTW
BX2473	6571C19G10	LDD2473STW	LDD2473FTW
BX2490	6571C19G11	LDD2490STW	LDD2490FTW
BX3673	6571C19G12	LDD3673STW	LDD3673FTW
BX3690	6571C19G13	LDD3690STW	LDD3690FTW
BX4473	6571C19G14	LDD4473STW	LDD4473FTW
BX4490	6571C19G15	LDD4490STW	LDD4490FTW

An extra depth box, not requiring a mounting channel, is another available option. Contact your local Satellite for ordering information

### NEMA 12/3R Enclosures

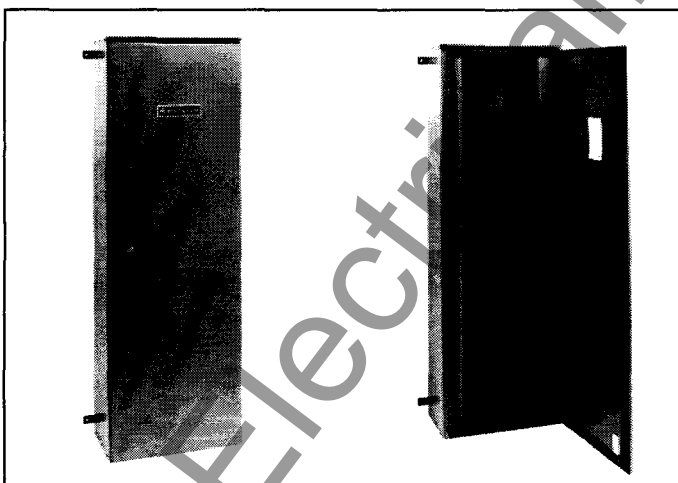


Figure 15.2 Nema 12 enclosure, 24 in. wide

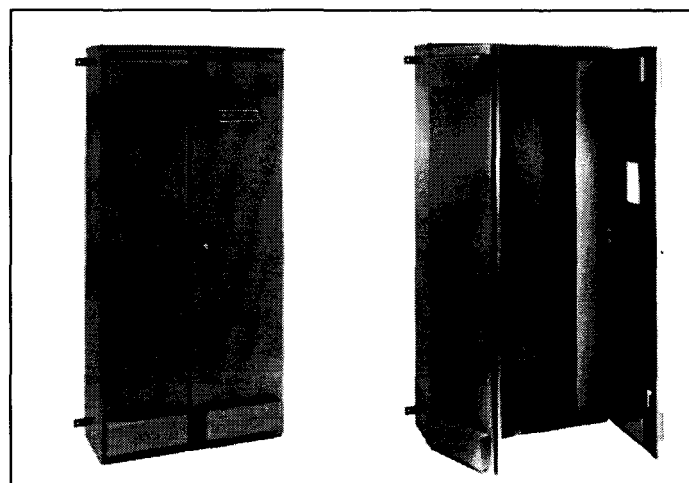


Figure 15.3 NEMA 3R enclosure, 36in. wide

PRL4 enclosures are available in both N12 (dusttight) and N3R (rainproof) designs. The 24 in. wide enclosure includes a single hinged door while the 36 in. wide is provided with double hinged doors. The side gutter covers are an intergal part of the box in all styles. Sizes and catalog numbers for each are shown in the table at the right.

Enclosure Dim. (in.)			NEMA 3R	NEMA 12
H	W	D	Cat No.	Cat No.
57	24	13.90	RPC2457	DPC2457
73	24	13.90	RPC2473	DPC2473
90	24	13.90	RPC2490	DPC2490
73	36	13.90	RPC3673	DPC3673
90	36	13.90	RPC3690	DPC3690

## COLUMN TYPE PANELS

### PRL1-LX Replacement Boxes and Trims

Standard box includes box ends at top and bottom.

Box for trough is supplied with bottom box end only.

Contact the Orlando Satellite for availability and application information.

Box dimensions (in.)			Standard Box	Box for Trough	Surface Trim
H	W	D			
42	8.63	5	114D939G10	114D939G26	6724D78G10
54	8.63	5	114D939G12	114D939G28	6724D78G12
66	8.63	5	114D939G14	114D939G30	6724D78G14
78	8.63	5	114D939G16	114D939G32	6724D78G16

### Replacement Connectors for BAB Breakers

Kit contains two sets of A, B, and C phase copper connectors, hardware and instructions to mount up to 6 poles.

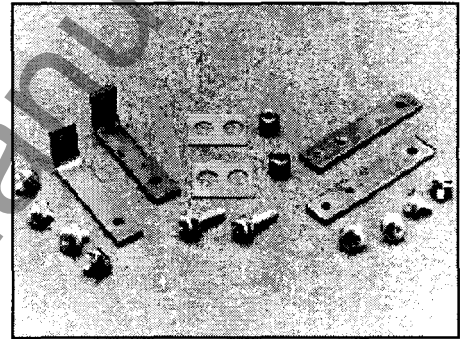


Figure 16.1

Catalog No.

KPRL1LXBAB

### PRL3-LX Replacement Boxes and Trims

Standard box includes box ends at top and bottom.

Box for trough is supplied with bottom box end only.

Design is for top feed application only.

Contact the Orlando Satellite for availability and application information.

Panel Type	Box dimensions (in.)			Standard Box	Box for Trough	Surface Trim
	H	W	D			
Main Lug Only (top feed)	40.75	8.63	5.75	6726D69G01	6726D69G07	6726D70G01
	49.00	8.63	5.75	6726C69G02	6726C69G08	6726D70G02
	57.25	8.63	5.75	6726C69G03	6726C69G09	6726D70G03
	65.50	8.63	5.75	6726C69G04	6726C69G10	6726D70G04
	73.75	8.63	5.75	6726C69G05	6726C69G11	6726D70G05
	82.00	8.63	5.75	6726C69G06	6726C69G12	6726D70G06
Main Breaker (top feed)	51.75	8.63	5.75	6726C69G13	6726D69G19	6726D70G07
	60.00	8.63	5.75	6726D69G14	6726D69G20	6726D70G08
	68.25	8.63	5.75	6726D69G15	6726D69G21	6726D70G09
	76.50	8.63	5.75	6726D69G16	6726D69G22	6726D70G10
	84.75	8.63	5.75	6726D69G17	6726D69G23	6726D70G11
	93.00	8.63	5.75	6726D69G18	6726D69G24	6726D70G12

### Replacement Connectors for EHD Breakers

Kit contains two sets of A, B, and C phase copper connectors, hardware and instructions to mount up to 6 poles.

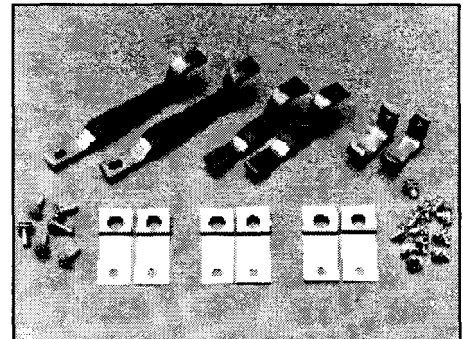


Figure 16.2

Catalog No.

KPRL3LXEHD



# POW-R-KIT



**Figure 17.1**

Kit contains an assortment of Pow-R-Line C panelboard and switchboard parts. The listed price is an annual charge with unlimited reorders allowed for one year. The insulated bag shown in Figure 17.1 ships with the initial order as well as the maximum quantities of all items shown below. Minimum reorder must contain at least three separate items, in any quantities up to the maximum indicated. Individual items are not sold separately, although the local Satellite may be contacted if large quantities of a particular item are required. Order the kit by using catalog number **POWRKIT**.

Description	Style Number	Maximum Order Qty.
PRL1/2 neutral plastic base	5156C05H01	10
PRL1/2/3 alum ground bus (YS2027 & under)	5158C05G01	2
PRL1/2/3 alum ground bus (YS2030 & over)	5158C05G02	2
PRL1/2/3 chassis mounting hardware	7499A48G04	5
PRL1/2/3 trim mounting screws (slotted or flush)	5157C83G06	10
PRL1/2 breaker mounting screws	70010KSC8G	100
PRL1/2/3 dead front cover mounting screws	70010KPCMJ	50
BAB/GHB 1 pole fillers	5155C62H01	50
E,F Frame 1 pole fillers	114B408H01	10
Directory card envelope (stick-on)	6725D41H30	2
Directory card	114B361H01	25
Number tabs 1-42	267P963H01	10
Number tabs 43-84	267P963H02	5
PRL4 chassis mounting hardware	5081A08G02	5
PRL4 gutter cover mounting hardware	5081A09G02	5
PRL4/PRLC dead front cover screws	70010DCBCH	25
PRLC switchboard cover screws	1A84774H01	25
PRLC switchboard .44 square hole plug	8450C62H17	25
PRL1/2/3 dead front cover .25 round hole plug	76260ES10C	10
Panelboard lock assembly	5155C81G01	2

## PANELBOARD TRIM LOCKS

As panelboard trims have been redesigned over the years, so have the trim locks. Contact the Baltimore Satellite for availability on the styles listed below. Refer to page 19 for the address and phone numbers.

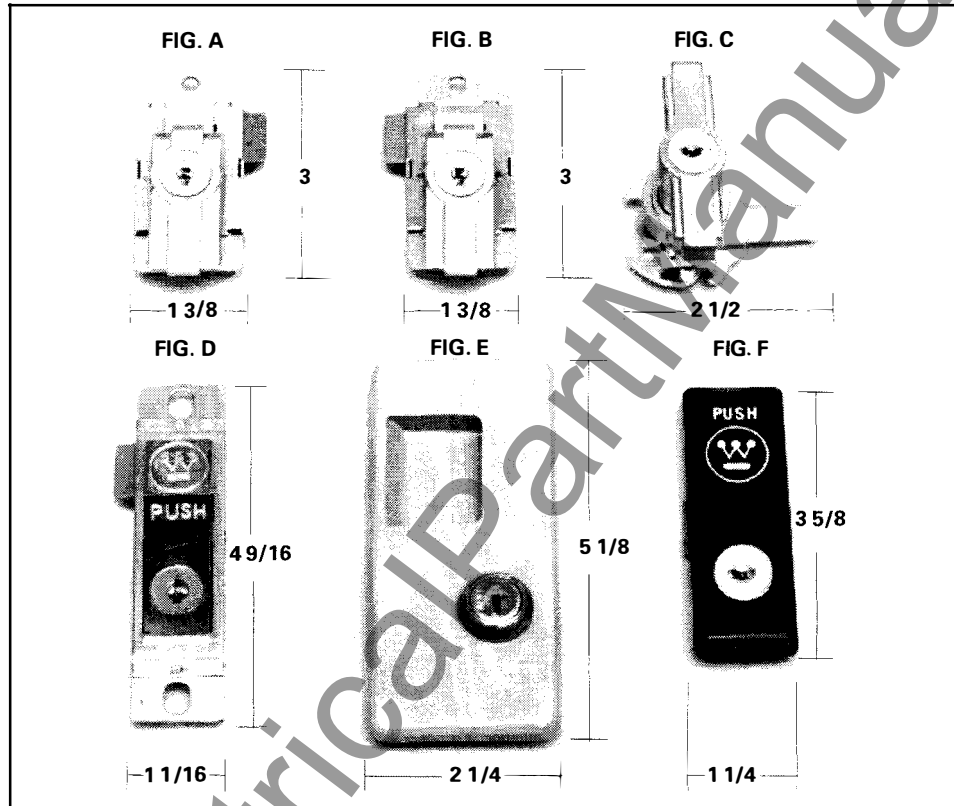
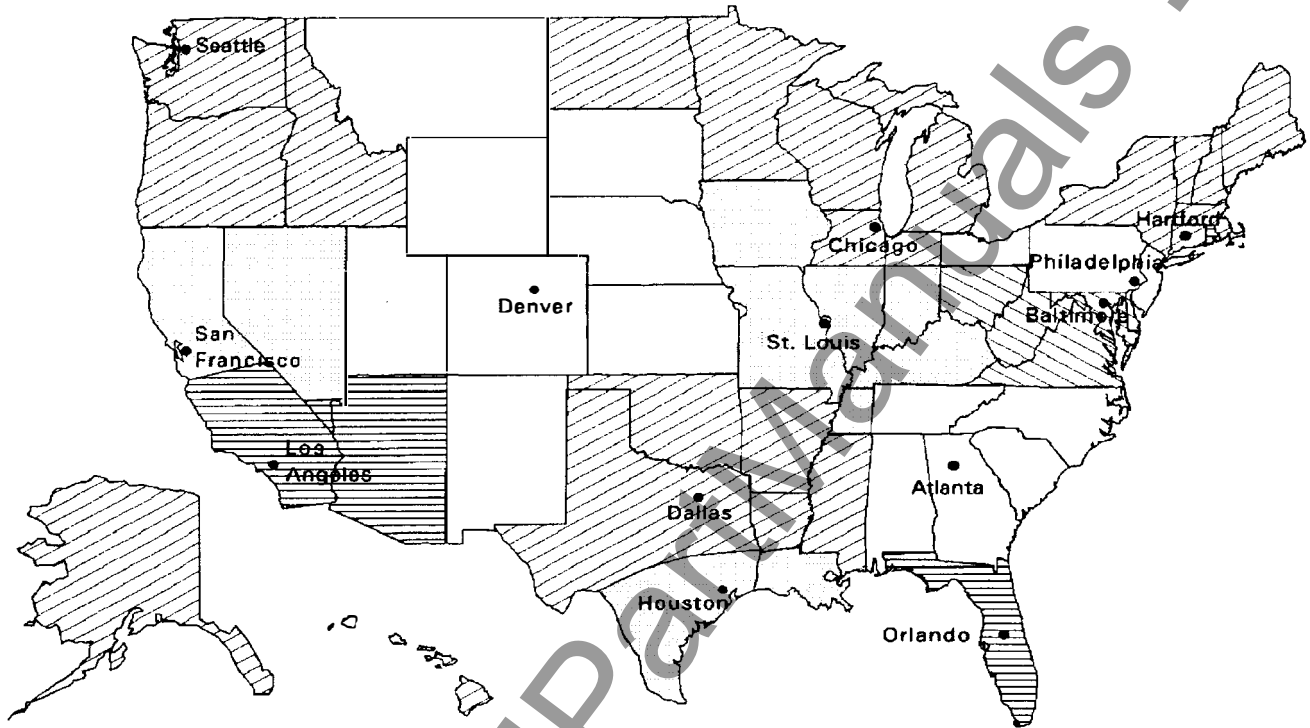


Figure 18.1

Figure	Catalog/Style No.	Description
A	<b>K80522</b>	For use on left handed door (hinged on the left side). WEM 1 key
B	<b>K80133</b>	For use on right handed door (hinged on the right side). WEM 1 key
C	<b>K80429</b>	T handle lock— At one time used on all panels over 48 inches in height. Also used on outdoor (N3R) panels. WEM 1 key
D	<b>114C247G01</b>	Used on lighting and small power panels as standard. WEM 2 key
E	<b>3457B16G01</b>	Used on lighting and small panels as standard. WEM 1 key
F	<b>5155C81G01</b>	This is the present day lock used on standard PRL1,2 and 3s. WEM 2 key.

## SATELLITE PLANTS



**Atlanta**  
7990-A 2nd Flag Dr.  
Austell, GA 30001  
Fax (404) 944-2033  
Phone (404) 944-1022

**Denver**  
14101 East 33rd Place  
Suite F  
Aurora, CO 80011  
Fax (303) 371-4175  
Phone (303) 371-7844

**Orlando**  
3827 St. Valentine Way  
Orlando, FL 32811  
Fax (407) 841-9135  
Phone (407) 843-3863

**Seattle**  
18657 72nd Avenue S.  
Kent, WA 98032  
Fax (206) 251-0079  
Phone (206) 251-9081

**Baltimore/Washington**  
6671 Santa Barbara Court  
Elkridge, MD 21227  
Fax (410) 796-7755  
Phone (410) 796-7777

**Hartford**  
507 Hayden Station Rd.  
Windsor, CT 06095  
Fax (203) 688-4982  
Phone (203) 688-5330

**Philadelphia**  
508 Lapp Rd.  
Malvern, PA 19335  
Fax (215) 640-0994  
Phone (215) 889-3554

**Chicago**  
1951 Touhy Avenue  
Elk Grove Village, IL 60007  
Fax (708) 439-3092  
Phone (708) 439-3070

**Houston**  
2523 Fairway Park Dr.  
Suite 516  
Houston, TX 77092  
Fax (713) 688-3764  
Phone (713) 688-8430

**St. Louis**  
12947 Gravois Rd.  
St. Louis, MO 63127  
Fax (314) 842-2552  
Phone (314) 842-7797

**Dallas**  
913 W. North Carrier Pkwy  
Grand Prairie, TX 75050  
Fax (214) 641-6435  
Phone (214) 988-3339

**Los Angeles**  
2021 Locust Court  
Ontario, CA 91761  
Fax (909) 923-2344  
Phone (909) 923-2040

**San Francisco**  
20919 Cabot Blvd  
Hayward, CA 94545  
Fax (510) 784-8980  
Phone (510) 784-8981

#### **Additional Service**

Since virtually all panelboards are supplied to meet specific customer requirements, other parts not listed in this publication might occasionally be needed. Price and availability for parts not shown here may be obtained by contacting your local Satellite and providing a complete description of the part, along with the data on the panelboard nameplate.

Should you experience difficulty in determining what replacement parts are needed, contact your local Westinghouse Satellite manager, who can provide help to:

Identify and recommend replacement parts.

Remove damaged parts and install replacements.

Verify the correct connector kits which should be ordered for each circuit breaker or fusible switch.

Retrofit existing panelboard boxes with new Pow-R-Line C interiors.

Provide a recommended spare parts list.