



Westinghouse Electric Corporation
Distribution and Control Business Unit
Standard Distribution Products Division
Pittsburgh, Pennsylvania, U.S.A. 15220

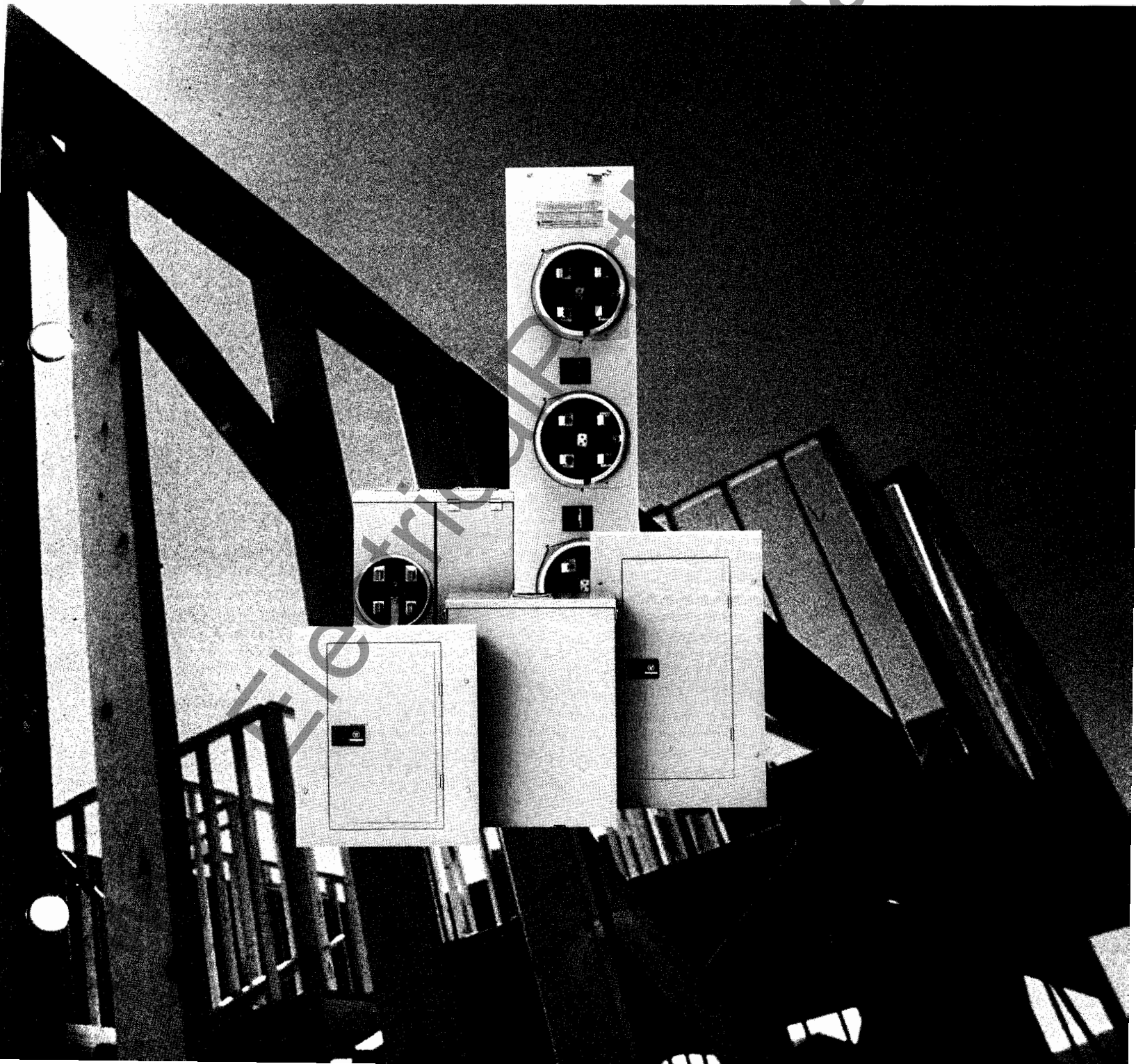
Catalog
30-350

Page 1

January 1992
Supersedes Catalog 30-350,
pages 1-44, dated December 1990
For standard terms of sale,
refer to Selling Policy 25-000
Mailed to: E, D, C/30-100A, 30-200A

Circuit Protective Devices

- Load Center Circuit Breakers
- Load Centers
- Meter Breaker Panels
- Meter Centers
- Unit Enclosures



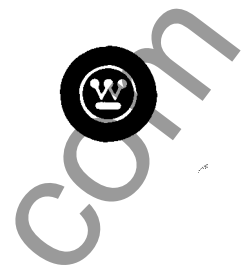


Table of Contents, Specifications and Listings

Table of Contents

Specifications, Listings	Page	2
Circuit Breakers		
Circuit Breaker Types		3
Circuit Breaker Features, Dimensions		4
Circuit Breaker 1" per Pole		5
Circuit Breaker Handle Color Code ...		5
Circuit Breakers 1/2" per Pole, Replacement Breakers, and Special Application Breakers		6
Circuit Breaker Ratings and Terminal Data		7
Circuit Breaker Accessories and Wire Ranges		8
Load Centers		
Load Center Features and Catalog Number Interpretation		9
Main Breaker, Single Phase Load Centers		10
Main Breaker, Three Phase Load Centers		11
Main Lug, Single Phase Load Centers		12
Main Lug, Three Phase Load Centers		13
Mod/Line Load Centers		14
Unit Enclosures		15
Load Center Accessories		16
Load Center Dimensions and Knock- out Data		17, 18, 19
Meter Breaker Panels		
Meter Breaker Panels		20, 21
Meter Breaker Panel Dimensions and Knockout Data Wiring Diagram ...		22, 23
Residential House Panel		24
Dimensions and Wiring Schematics		25
WM Modular Metering		
Main Service Cubicles		26, 27
Meter Module Features		28
Stacks Type WM, Single Phase		29
Commercial Meter Stacks		30
Meter Centers		
Meter-Packs, Single Phase		32
Dimensions and Installation		33
WM Modular Metering		
Main Tenant Breakers, Accessories ..		34
Dimensions and Knockout Info ...		36
Typical Meter Stack Schematics		37, 38
Main Breaker and Main Lug Schematics		39, 40, 41
Replacement Parts		42
Notes		43
Typical Load Center Assembly		44

Specifications, Listings

Class CTL (Current Twin Limiting)
National Electrical Code Paragraph 384-15 requires branch circuit load centers to be provided with physical means to prevent the installation of more over-current devices than that number for which the enclosure was designed, rated, and approved. Class CTL Duplex and Quadplex breakers (identified by a catalog number prefix BD, BQ or BQC) are equipped with a UL listed rejection tab over the line terminal. All load center enclosures have appropriately notched stubs to accept these rejection tab Class CTL breakers. (Refer to Wiring Diagrams on pages 37-39.)

Duplex and Quadplex breakers manufactured without the rejection tab (identified by a catalog number prefix BR or BRD) are available for replacement purposes in older enclosures.

Federal Specifications
All load center enclosures meet Federal Specifications W-P-115a, Type 1, Class 2 requirements.

All 120/240 volt breakers, both 1" and 1/2" per pole meet the requirements of Federal Specifications W-C-375B/Gen Type 1.

Canadian Standards Association Listing
All 1, 2, and 3 pole, 120/240 volt breakers, both 1" and 1/2" per pole, 225 ampere maximum, are listed as Certified by the Canadian Standards Association, Guide No. 69-11.19, Class 1432, File 18328.

All 1 and 2 pole GFCB® Ground Fault Circuit Breakers are listed as certified by the Canadian Standards Association, Guide No. 142-R-3, Class 1451, File 33607.

Service Entrance
All main breaker and unit enclosures, and all main lug enclosures thru 12 circuit single phase and 18 circuit three phase are listed as suitable for use as Service Equipment when installed in accordance with Article 230-71 and Article 384-16 of the National Electrical Code. Refer to "Six Circuit Rule." Meter socket units are listed as Service Equipment.

This information is included on the wiring diagram as standard, no special label is required.

These articles require that:

- Panels used as service entrance equipment must be located near the point where the supply conductors enter the building.
- A Load Center having main lugs only shall have a maximum of six operating handles to disconnect the entire Load Center from the supply conductors.

Where more than six disconnects are required, a main circuit breaker or main disconnect switch must be provided.

- Must include connector for bonding and grounding neutral conductor.

Underwriters' Laboratories Inc. Listing
All load centers comply with the Underwriters' Laboratories Inc. standards and are listed as follows:

"Standard for Panelboards" UL67; Guide No. 320 BO File E31679 and E52977.

"Standards for Cabinets and Boxes" UL50; Guide No. 60 A19 File E34724.

"Requirements for Wire Connectors and Soldering Lugs", UL486; Guide No. 461 10-C File E7830.

"Requirements for Service Equipment", UL869; Guide No. 380 FO File E11737.

All MLK series lug kits comply with Underwriters' Laboratories Inc. standards and are listed under Guide No. DHJR, File E31424, Volume W, Section 17.

All grounding bars manufactured comply with Underwriters' Laboratories Inc. standards and are listed under Guide No. DHJR, File E31424, Volume W, Section 17.

All circuit breakers 10 amperes and larger comply with the Underwriters' Laboratories Inc. "Standard for Branch Circuit and Service Circuit-Breakers" UL489; Guide No. 60 10.2 File E31424, and "Requirements for Wire Connectors and Soldering Lugs", UL486; Guide No. 461 10-C File E7830.

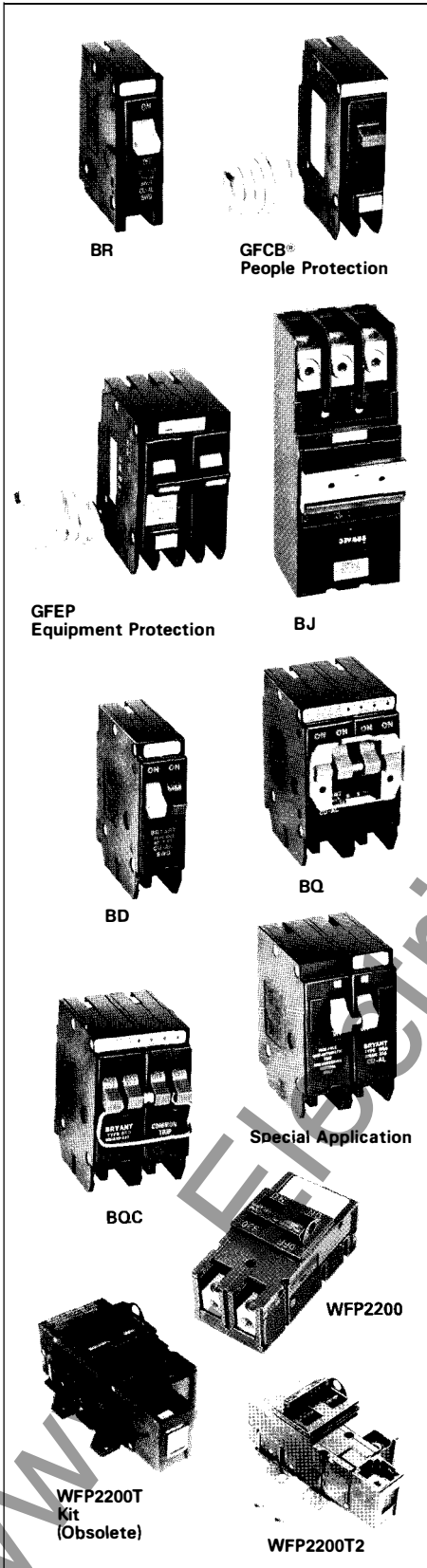
All Westinghouse breakers and load centers where marked, are suitable for use with 60/75°C rated wire.

All devices comply with the 22,000 A.I.C. — 10,000 A.I.C. U.L. series connected components File DKS2 of the Recognized Components Index.

Lighting and Appliance Panelboards
Lighting and appliance branch circuit panelboards are defined in N.E.C. (Article 384) as "One having more than 10 per cent of its overcurrent devices rated 30 amperes or less for which neutral connections are provided". Article 384 also limits the number of overcurrent devices (branch circuit poles) to a maximum of 42 in any one cabinet. When the 42 poles are exceeded, two or more separate panels are required and may be electrically connected by Sub Feed Lug Kits.



Circuit Breaker Types Thermal Magnetic 40°C



BR Circuit Breakers

Westinghouse Type BR plug-on breakers in the standard 1" per pole package have color-coded handles for easy ampacity identification and unique color-coded cases that indicate UL listed 10kA or 22kA interrupting ratings and can be used as main or branch disconnect devices. All are Type I.C. (interchangeable) devices; and are SWD, CSA and HACR approved. Typical ampacity range for BR breakers is 15-125 amperes.

GFCB® People Protection Breakers

Westinghouse Type GFCB (ground fault circuit breaker) combines state-of-the-art hybrid electronic technology with a circuit breaker mechanism in a compact 1" package. The GFCB automatically senses hot wire-to-ground faults in a 4 to 6 milliampere range, and shuts off the power thus providing an extra margin of safety beyond that of conventional circuit breakers. GFCB applications include bathrooms, cellar outlets, swimming pools, outdoor branch circuits, and kitchen branch circuits. Available in UL listed 120 and 120/240V ratings. Westinghouse also offers non-UL listed ground fault breakers for international applications as well as ground fault devices for equipment protection.

GFEP Equipment Protection Breakers

The Westinghouse Type GFEP device is similar to the Westinghouse GFCB, except that it is designed to protect equipment (not people) against damage from arcing ground faults. It is available with a 30MA trip level. Applications include infrared heating equipment, computer equipment, process control equipment etc. Special markings and color-coding immediately differentiate it from a GFCB breaker.

BJ Circuit Breakers

Available in 125 thru 225 ampere frames, Westinghouse Type BJ plug-on breakers have 10kA and 22kA interrupting ratings and can be used as main or branch disconnect devices. Color-coded handles identify ampacity ratings. Large extruded aluminum box lugs, complies with UL486B, provide cool operation. Tripping mechanism has thermal and magnetic protection for long-life performance. Rupture gas is safely vented into box gutter.

WFP-T2 Main Breaker Kit

WFP-T2 Main Breaker kits are definite purpose 125A to 200A UL listed main breaker assemblies, in 10kA and 22kA interrupting ratings for use in Westinghouse single phase load centers. They are factory mounted and are approved for field mounting in Mod/Line load center base units. WFP-T2 Main Breaker kits include special right angle terminals for easier "straight-in" wiring and breaker mounting plate, with hold down screw.

WFP Circuit Breakers

WFP Circuit Breakers are UL listed in both 10 kA and 22 kA Interrupting capacities and available in ratings 125 Amp through 225 Amp in both 2 and 3 pole versions. Their primary use is in the Westinghouse metering line serving as tenant mains in meter stacks or meter packs. They are the same breaker as their WFP-T2 counterpart, except they do not have the offset lugs, and do not come including the main mounting plate. WFP breakers cannot serve as feeder breakers in load centers due to their unique stab mounting feature.

BD Circuit Breakers

BD plug-on breakers have the same construction as Westinghouse Type BR 1" per pole devices except that 2 poles are in a space-saving 1" package. UL listed interrupting rating is 10kA. Color-coded handles identify ampacity rating through 50 amperes. All ratings are SWD, CSA, and HACR approved. Exclusive CTL rejection feature allows only 42 circuits in the panel in compliance with NEC Article 384-15.

BQ Circuit Breakers

Quadplex® construction of Westinghouse Type BQ plug-on breakers incorporates two duplex breakers assembled together to provide various combinations of 2 pole and single pole devices in a 2" package, and allow compliance with NEC Article 240-20(b). The 2 pole combinations of Westinghouse Type BQ breakers are marked "independent trip" meaning that each pole of a 2 pole device trips independently of the other, but may be actuated jointly by means of the handle tie. Independent trip devices may only be used on 3 wire Edison circuits where the neutral is present. All ratings are SWD, CSA, and HACR approved.

BQC Circuit Breakers

Quadplex construction of Westinghouse Type BQC plug-on breakers incorporates a special internal common trip cam. BQC breakers are available in several combinations of 2 pole and single pole devices wherein the 2 pole circuits have an internal common trip mechanism. These breakers are labeled "common trip" and meet all the requirements of UL489 paragraph 9.1 requiring multipole breakers to have common trip. Common trip breakers are required on all 240V circuits where there is no neutral present such as water heaters, baseboard heat, air conditioners and other motorloads. All ratings are SWD, CSA, and HACR approved.

Special Application Breakers

As the name implies, these devices are designed for special applications as required by the National Electrical Code.

Water Heater Breaker: Some watthour meters incorporate rate register switches used in conjunction with off-peak rates. Water Heater breakers do not derive their circuit from the load center stab. The line and load side of the breaker are fed to terminals on the breaker. Except for these terminations, the device offers normal circuit breaker protection.

Switching Neutral Breaker: Primary application for the Westinghouse switching neutral breaker is for protection of process equipment such as gas pumps that utilize flammable liquids. Non-automatic pole breaks the neutral power leg, minimizing the danger of arc conditions.

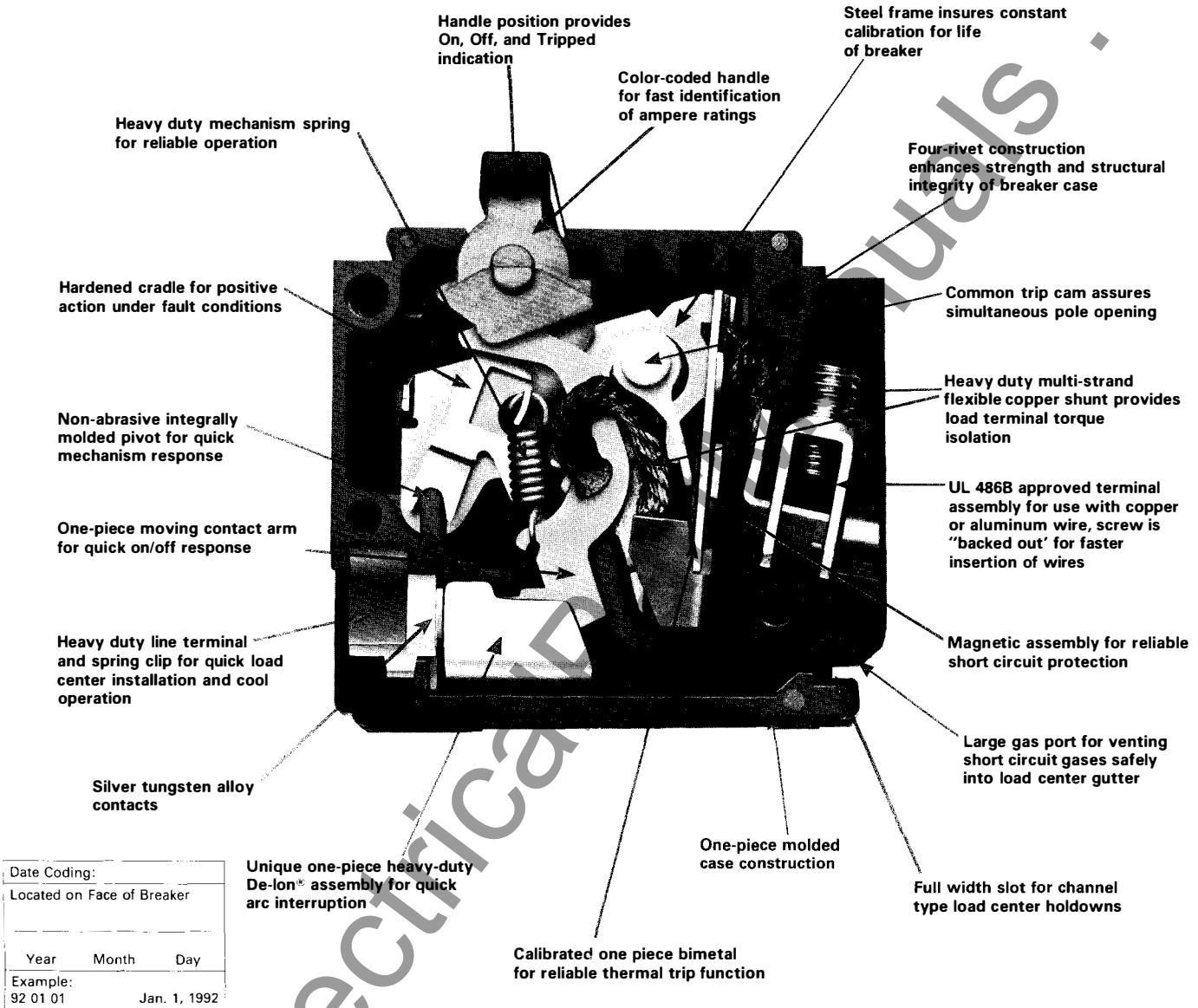
2 Pole Breakers 120V or More to Ground: Used on Delta distribution systems, these Westinghouse Type BR breakers are applied on phase legs where voltage to ground is above 120V.

Non-Automatic Molded Case Switch: Identical to comparable circuit breaker frames with this exception: non-automatic molded case switches do not have thermal or magnetic trip elements.

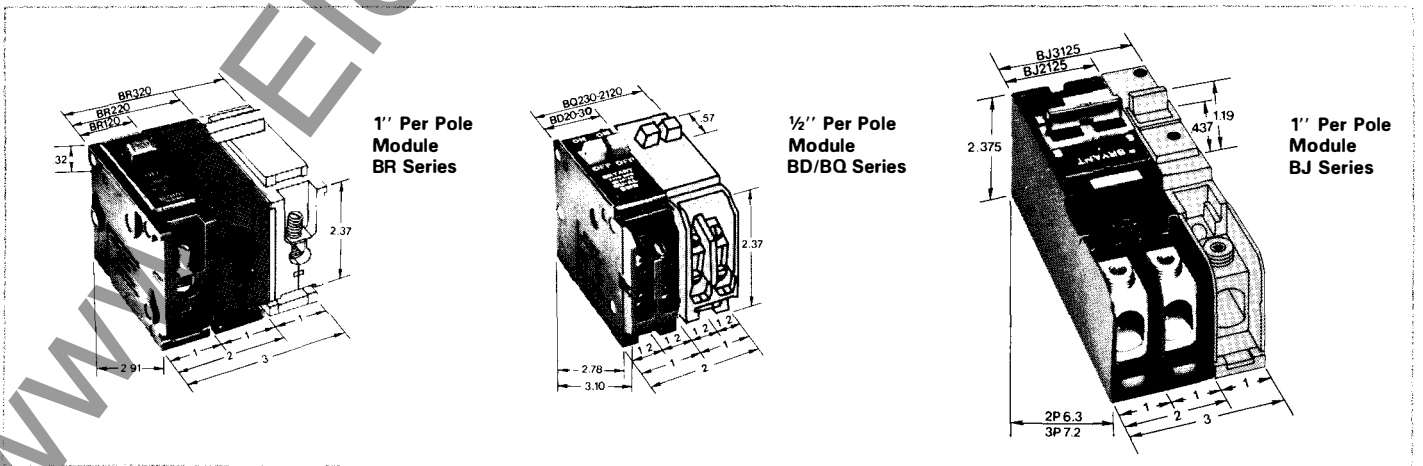


Circuit Breaker Features and Dimensional Data

Thermal Magnetic 40°C



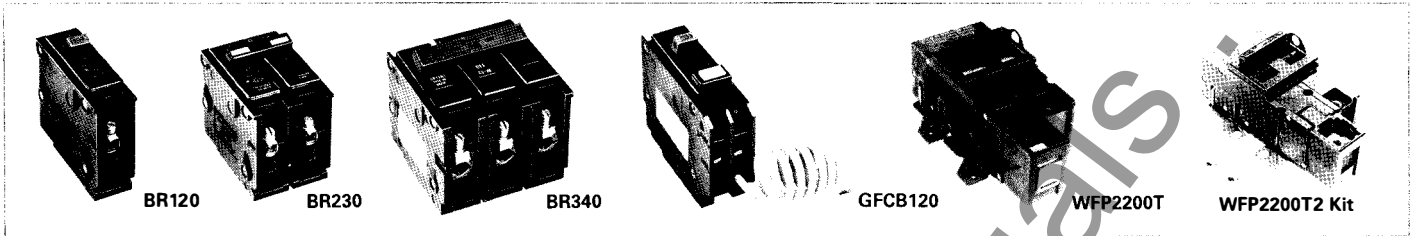
Date Coding:		
Located on Face of Breaker		
Year	Month	Day
Example: 92	01	01
Jan. 1, 1992		





Plug-on Circuit Breakers

1" per pole — Types BR, GFCB, GFEP, BJ, WFP-T2 Thermal Magnetic 40°C



Type BR Breakers, 1" Per Pole 120/240 or 240 Volts AC, 10,000, 22,000, and 42,000 AIC^{③ ⑦}

Amps	1 Pole 120/240 VAC		2 Pole 120/240 VAC Common Trip			3 Pole 240 VAC Common Trip	
	Requires 1 Space 12 per Shelf Carton; 48 per 14 Lb. Package		Requires 2 Spaces 6 per Shelf Carton; 24 per 16 Lb. Package			Requires 3 Spaces 4 per Shelf Carton; 16 per 17 Lb. Package	
	10,000 AIC	22,000 AIC	10,000 AIC	22,000 AIC	42,000 AIC	10,000 AIC	22,000 AIC
	Cat. No.	Cat. No.	Cat. No.①	Cat. No.①	Cat. No.①	Cat. No.①	Cat. No.①
10	BR110②		BR210			BR315	BRH315
15	BR115②④	BRH115	BR215	BRH215		BR320	BRH320
20	BR120②④	BRH120	BR220	BRH220			
25	BR125	BRH125	BR225	BRH225			
30	BR130	BRH130	BR230	BRH230		BR330	BRH330
40	BR140	BRH140	BR240	BRH240		BR340	BRH340
50	BR150	BRH150	BR250	BRH250		BR350	BRH350
60	BR160	BRH160	BR260	BRH260		BR360	BRH360
70	BR170	BRH170	BR270	BRH270		BR370	BRH370
80			BR280				
90			BR290	BRH290		BR390	BRH390
100			BR2100	BRH2100	BRHH2100	BR3100	BRH3100
110			BR2110	BRH2110	BRHH2110		
125			BR2125	BRH2125	BRHH2125		

Type GFEP Ground Fault Equipment Protectors, 1" per Pole 120VAC or 120/240VAC, 10,000 AIC

Amps	1 Pole 120 VAC	2 Pole 120/240 VAC
	Requires 1 Space 1 per Shelf Carton 20 per 9 Lb. Package 1P30MA for single circuit application	Requires 2 Spaces 1 per Shelf Carton 5 per 5 Lb. Package 2P30MA for multi-wire and appliance circuits
	Cat. No.	Cat. No.

15	GFEP115	GFEP215
20	GFEP120	GFEP220
25	GFEP125	GFEP225
30	GFEP130	GFEP230

Types WFP and WFPH Main Breaker Kits – 120/240 Volts AC – 10,000, 22,000 AIC For Field-Installed Mains, with Mounting Plate Included^⑥

Amps	2-Pole Breakers		Load Terminal Wire Range, Cu/Al
	10,000 AIC Cat. No.	22,000 AIC Cat. No.	
125	WFP2125T2	WFPH2125T2	#1-300 MCM
150	WFP2150T2	WFPH2150T2	
175	WFP2175T2	—	
200	WFP2200T2	WFPH2200T2	

⑥ Remove Suffix "2" for use with previous Type Load Centers produced before 1991. (ex. WFP2200T)

Type GFCB Ground Fault Circuit Breakers

1" Per Pole 120VAC or 120/240VAC, 10,000 and 22,000 AIC

1 Pole for Single Circuit Application, 2 Pole for Multi-Wire and Appliance Circuits.

Amps	1 Pole 120 VAC		2 Pole 120/240 VAC Common Trip	
	Requires 1 Space 1 per Shelf Carton 20 per 10 Lb. Package		Requires 2 Spaces 1 per Shelf Carton 5 per 6 Lb. Package	
	10,000 AIC	22,000 AIC	10,000 AIC	22,000 AIC
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
15	GFCB115	GFCBH115	GFCB215	GFCBH215
20	GFCB120	GFCBH120	GFCB220	GFCBH220
25	GFCB125	GFCBH125	GFCB225	GFCBH225
30	GFCB130	GFCBH130	GFCB230	GFCBH230
40			GFCB240 ^⑤	GFCBH230

Circuit Breaker Handle Color Code

Amps	Color	Amps	Color
10	PINK	70	YELLOW
15	MED. BLUE	90	DARK RED
20	MED. RED	100	BLACK
25	IVORY	125	DARK GREEN
30	MED. GREEN	150	BROWN
40	GRAY	175	AMBER
50	LT. BLUE	200	DARK BROWN
60	ORANGE	225	DARK BLUE

Circuit Breaker Case Interrupting Capacity

10,000 A.I.C. Black
22,000 A.I.C. Gray

Type BJ Breakers, 120/240 or 240 Volts AC, 10,000, 22,000 AIC

Amps	2 Pole 120/240 VAC Common Trip		3 Pole 240 VAC Common Trip	
	Requires 4 Spaces 1 per Shelf Carton, 10 per 20 Lb. Package		Requires 6 Spaces 1 per Shelf Carton, 5 per 18 Lb. Package	
	10,000 AIC	22,000 AIC	10,000 AIC	22,000 AIC
	Cat. No.①	Cat. No.①	Cat. No.①	Cat. No.①
125	BJ2125	BJH2125	BJ3125	BJH3125
150	BJ2150	BJH2150	BJ3150	BJH3150
175	BJ2175	BJH2175	BJ3175	BJH3175
200	BJ2200	BJH2200	BJ3200	BJH3200
225	BJ2225	BJH2225	BJ3225	BJH3225

① 2-pole and 3-pole breakers 40 amp and larger are available with MAIN stamped on handle or case. Add suffix "B" to catalog number.

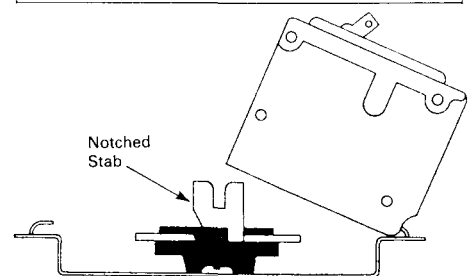
② One pole, 1" per pole breakers are available with high magnetic setting for switching large tungsten lamp loads. Add suffix H to catalog number.

③ BR-1, 2-, and 3-pole breakers also carry listing for HACR application.

④ Switching duty rating.

⑤ For use with copper wire only and CSA Listed.

⑦ For breakers with shunt trip capabilities, see HQP type.

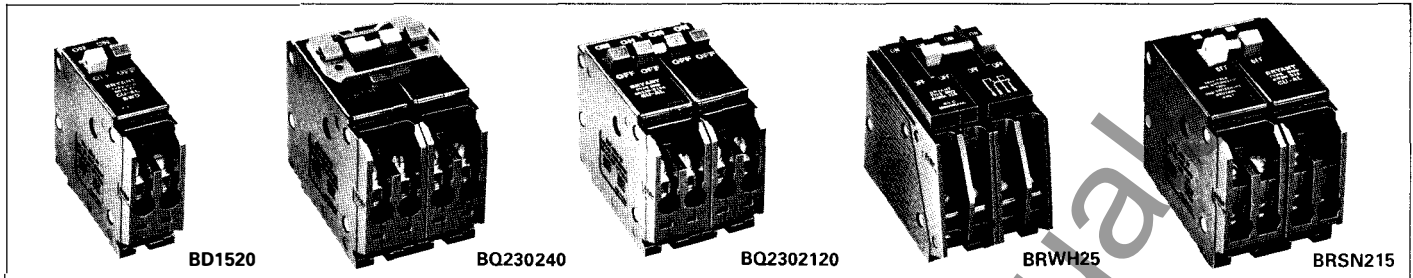


Typical Installation



Plug-on Circuit Breakers

1/2" per pole — Type CTL Thermal Magnetic 40°C



Class CTL 10,000 AIC All breakers have rejection tab feature.

120/240 VAC Duplex Type BD ^② ④		120/240 VAC Quadplex Type BQ Independent Trip ^③		120/240V and 240 VAC Type BQC Common Trip ^③	
Two of 1-Pole Takes 1 Space		Two of 2-Pole or One 2-Pole and Two 1-Pole Takes 2 Spaces		Two of 2-Pole 240 V or One 2-Pole 240 V and Two 1-Pole 120/240 V Takes 2 Spaces	
12 Shelf Carton 48 per 17 Lb. Package		6 per Shelf Carton 24 per 18 Lb. Package		2 Pole Devices are Common Trip 6 per Shelf Carton 24 per 18 Lb. Package	
Amps	Cat. No.	Amps	Cat. No.	Amps	Cat. No.
10-10	BD1010	2p15-2p15	BQ215215	2p252 of 1p15 Com. Trip	BQC2252115
15-15	BD1515	2p20-2p20	BQ220220	2p302 of 1p15 Com. Trip	BQC2302115
15-20	BD1520	2p20-2p30	BQ220230	2p302 of 1p20 Com. Trip	BQC2302120
15-30	BD1530	2p20-2p40	BQ220240	2p402 of 1p15 Com. Trip	BQC2402115
20-15	BD2015	2p20-2p50	BQ220250	2p402 of 1p20 Com. Trip	BQC2402120
20-20	BD2020	2p25-2p25	BQ225225	2p502 of 1p15 Com. Trip	BQC2502115
20-30	BD2030	2p30-2 of 1p15	BQ2302115	2p502 of 1p20 Com. Trip	BQC2502120
25-25	BD2525	2p30-2 of 1p20	BQ2302120	2p152p15 Com. Trip	BQC215215
30-15	BD3015	2p30-2p30	BQ230230	2p202p20 Com. Trip	BQC220220
30-20	BD3020	2p30-2p40	BQ230240	2p202p30 Com. Trip	BQC220230
30-30	BD3030	2p30-2p50	BQ230250	2p202p40 Com. Trip	BQC220240
30-40	BD3040	2p40-2 of 1p15	BQ2402115	2p202p50 Com. Trip	BQC220250
30-50	BD3050	2p40-2 of 1p20	BQ2402120	2p252p25 Com. Trip	BQC225225
50-30	BD5030	2p40-2p40	BQ240240	2p302p30 Com. Trip	BQC230230
		2p40-2p50	BQ240250	2p302p40 Com. Trip	BQC230240
		2p50-2 of 1p15	BQ2502115	2p302p50 Com. Trip	BQC230250
		2p50-2 of 1p20	BQ2502120	2p402p40 Com. Trip	BQC240240
		2p50-2p50	BQ250250	2p402p50 Com. Trip	BQC240250
				2p502p50 Com. Trip	BQC250250

Non-CTL 10,000 AIC For Replacement Purposes Only

For replacement in enclosures manufactured prior to 1968 with unnotched stabs^⑤. All breakers do not have rejection tab.

120/240 VAC Duplex ^③ ④		120/240 VAC Quadplex Type BRD ^③		120/240 VAC Quadplex Type BRDC ^③	
12 per Shelf Carton, 48 per 17 Lb. Carton		6 per Shelf Carton, 24 per 18 Lb. Carton		6 per Shelf Carton, 24 per 18 Lb. Carton	
Amps	Cat. No.	Amps	Cat. No.	Amps	Cat. No.
15-15	BR1515	2p152p15	BR415	2p152p15 Com. Trip	BRDC215215
15-20	BR1520	2p202p20	BR420	2p302p30 Com. Trip	BRDC230230
20-15	BR2015	2p302p30	BR430	2p302p40 Com. Trip	BRDC230240
20-20	BR2020	2p302p40	BRD230240	2p302p50 Com. Trip	BRDC230250
30-30	BR3030	2p302p50	BRD230250		

Special Application Breakers

Water Heater Breakers		Switching Neutral Breakers		Delta 240V Breakers		Non-Automatic Molded Case Switches		
2 Pole, 120/240 VAC 10,000 AIC 6 per Shelf Carton 24 per 15 Lb. Package		2 Pole, 120 VAC 10,000 AIC 6 per Shelf Carton 24 per 15 Lb. Package		2 Pole, 240 VAC 10,000 AIC 6 per Shelf Carton 24 per 16 Lb. Package		2 Pole, 240 VAC 3 Pole, 240 VAC 5000 Amps Withstand Rating		
With Isolated Line Terminals for Separately Mounted Water Heaters Requires 2 Spaces		With Switching Neutral Pole for Gas Stations Requires 2 Spaces		Where Voltage Exceeds 120 Volts to Ground Requires 2 Spaces		For use as Disconnect Contains No Magnetic or Thermal Trip Properties		
Amps	Cat. No.	Amps	Cat. No.	Amps	Cat. No.	Amps	Poles	Cat. No.
15	BRWH215	15	BRSN215	15	BR215H	50	2	BR250NA
20	BRWH220	20	BRSN220	20	BR220H	60	2	BR260NA
30	BRWH230	30	BRSN230	30	BR230H	100	2	BR2100NA
				40	BR240H	225	2	BJ2225NA
				50	BR250H	100	3	BR3100NA
				60	BR260H	225	3	BJ3225NA
				70	BR270H			

① Switching duty rated.
② Two of 1-pole takes 1 space.

③ Two of 2-pole 240V takes 2 spaces.
④ All BD, BQ and BQC Breakers carry listing for HACR applications.

● See Typical Installation for Notched Stab Illustration on page 5.

Circuit Breaker Ratings and Terminal Data

Type	Amp Rating	Fed Spec	UL Listed Interrupting Capacity		Terminal Data					
			W-C-375b	120/240 VAC	240 VAC	RMS SYM Amps	Term Type	Wire Type 60/75° C	No.	AWG Range
BD	15-50	10a, 11a, 12a	10000							
BQ	15-50	10a, 11a, 12a	10000							
BR	15-125	10a, 11a, 12a	10000							
BRH	15-125	14a, 14b	22000							
BRHH	100-125	14a, 14b	42000							
BJ	125-225	12a, 12b	10000	10000						
BJH	125-225	14a, 14b	22000	22000						
BJHH	150-200	14a, 14b	42000	42000						
WFP	125-225	14a, 14b	10000	10000	Pressure	CU/AL	1		(15-50A) #4-#14 BD, BQ (15-30A) #8-#14 BR (40-50A) #4-#10 BR (50-110A) #1/0-#8 BR 125A #2/0 BR #2-300 MCM (125&225A) BJ	
WFPH	125-225	14a, 14b	22000	22000	Pressure	CU/AL	1		1-4/0 Cu	
DK	125-400	21a		65000		TA400K TA350K ^①	2 1		#3/0-250 MCM 250-500 MCM	
LA600	500-600	21a		42000		TA600LA	2		250-500 MCM	
MA	600-800	21a		42000		TA800MA2 TA700MA1 ^①	3 2		#3/0-400MCM #1-500 MCM	
NB	700-1200	21a		42000		TA1200NB1 TA1201NB1 ^①	4 3		#4/0-500 MCM 500-750 MCM	
PB	600-1600	25a		125000		CONNECTOR	4		#1/0-750 MCM	
GFCB, GFEP	15-30	10a, 11a, 12a	10000		Pressure	CU/AL	1		15-20A #8-14	
GFCB	40	10a, 11a, 12a	10000		Pressure	CU	1		40A	
GFCBH	15-30	10a, 11a, 12a	22000		Pressure	CU	1		30A #4-14	

① Alternate Terminals available on special order, or order directly for field installation.

Current Carrying Capacities of Conductors

Not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30 C (86 F)

Ampacities of Insulated Conductors ③

Size	Temperature Rating of Conductor. See Table 310-13								Size
	60 C (140 F)		75 C (185 F)		85 C (194 F)		90 C (194 F)		
	TYPES 1RUW, 1T, 1TW, 1UF	TYPES 1FEPW, 1RH, 1RUH, 1THW, 1THWN, 1XHHW, 1USE, 1ZW	TYPES V, MI, V, MI, 1RH, 1RUH, 1THW, 1THWN, 1XHHW, 1USE, 1ZW	TYPES TA, TBS, SA, AVB, SIS, 1FEP, 1FEPB, 1RHH, 1THHN, 1XHHW*	TYPES 1RUW, 1RH, 1RUH, 1THW, 1THWN, 1XHHW, 1USE	TYPES 1RH, 1RH, 1RH, 1THW, 1THWN, 1XHHW, 1USE	TYPES V, MI, V, MI, 1RH, 1RUH, 1THW, 1THWN, 1XHHW*	TYPES TA, TBS, SA, AVB, SIS, 1RHH, 1THHN, 1XHHW*	
AWG									AWG
MCM									MCM
	Copper				Aluminum or Copper-clad Aluminum				
18	.....	.....	.....	14	.....	.....	.....	.....
16	.....	.....	.....	18	.....	.....	.....	.....
14	20†	20†	25	25†	.....	.....	.....	.....
12	25†	25†	30	30†	20†	20†	25	25†	12
10	30	35†	40	40†	25	30†	30	35†	10
8	40	50	55	55	30	40	40	45	8
6	55	65	70	75	40	50	55	60	6
4	70	85	95	95	55	65	75	75	4
3	85	100	110	110	65	75	85	85	3
2	95	115	125	130	75	90	100	100	2
1	110	130	145	150	85	100	110	115	1
0	125	150	165	170	100	120	130	135	0
00	145	175	190	195	115	135	145	150	00
000	165	200	215	225	130	155	170	175	000
0000	195	230	250	260	150	180	195	205	0000
250	215	255	275	290	170	205	220	230	250
300	240	285	310	320	190	230	250	255	300
350	260	310	340	350	210	250	270	280	350
400	280	335	365	380	225	270	295	305	400
500	320	380	415	430	260	310	335	350	500
600	355	420	460	475	285	340	370	385	600
700	385	460	500	520	310	375	405	420	700
750	400	475	515	535	320	385	420	435	750
800	410	490	535	555	330	395	430	450	800
900	435	520	565	585	355	425	465	480	900
1000	455	545	590	615	375	445	485	500	1000
1250	495	590	640	665	405	485	525	545	1250
1500	520	625	680	705	435	520	565	585	1500
1750	545	650	705	735	455	545	595	615	1750
2000	560	665	725	750	470	560	610	630	2000

Ampacity Correction Factors

Ambient Temp. C	For ambient temperatures other than 30 C, multiply the ampacities shown above by the appropriate factor shown below.								Ambient Temp. F
31-40	.82	.88	.90	.91	.82	.88	.90	.91	87-104
41-45	.71	.82	.85	.87	.71	.82	.85	.87	105-113
46-50	.58	.75	.80	.82	.58	.75	.80	.82	114-122
51-60	.....	.58	.67	.71	.....	.58	.67	.71	123-141
61-70	.....	.35	.52	.58	.....	.35	.52	.58	142-158
71-80	.....	.....	.30	.41	.....	.....	.30	.41	159-176

Exception Table for Ampacity of Conductors

Three-Wire, Single-Phase Dwelling Services.

In dwelling units, conductors, as listed below, shall be permitted to be utilized as three-wire, single-phase, service-entrance conductors and three-wire, single-phase feeder that carries the total current supplied by that service. Grounded service-entrance conductors shall be permitted to be two AWG sizes smaller than the ungrounded conductors provided the requirements of Section 230-42 are met.

Maximum Number of Conductors in Trade Sizes of Conduit or Tubing (Based on Table 1, Chapter 9)

Conduit Trade Size (Inches)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	
Type Letters	Size AWG, MCM												
TW, T, RUH,	14	9	15	25	44	60	99	142					
RUW,	12	7	12	19	35	47	78	111	171				
XHHW	10	5	9	15	26	36	60	85	131	176			
(14 thru 8)	8	2	4	7	12	17	28	40	62	84	108		
RHW and RHH (without outer covering),	14	6	10	16	29	40	65	93	143	192			
THW	12	4	8	13	24	32	53	76	117	157			
THW	10	4	6	11	19	26	43	61	95	127	163		
THW	8	1	3	5	10	13	22	32	49	66	85	133	
TW,	6	1	2	4	7	10	16	23	36	48	62	97	141
T,	4	1	1	3	5	7	12	17	27	36	47	73	106
THW,	3	1	1	2	4	6	10	15	23	31	40	63	91
RUH (6 thru 2),	2	1	1	2	4	5	9	13	20	27	34	54	78
RUW (6 thru 2),	1	1	1	3	4	6	9	14	19	25	39	57	
FEPB (6 thru 2),	0	1	1	2	3	5	8	12	16	21	33	49	
RHW and RHH (with-out outer covering)	00	1	1	1	3	5	7	10	14	18	29	41	
0000	1	1	1	2	4	6	9	12	15	24	35		
0000	1	1	1	3	5	7	10	13	20	29			
250	1	1	1	2	4	6	8	10	16	23			
300	1	1	1	2	3	5	7	9	14	20			
350	1	1	1	3	4	6	8	12	18				
400	1	1	1	2	4	5	7	10	14	16			
500	1	1	1	1	3	4	6	9	14				
600	1	1	1	1	3	4	5	7	11				
700	1	1	1	1	2	3	4	7	10				
750	1	1	1	1	2	3	4	6	9				

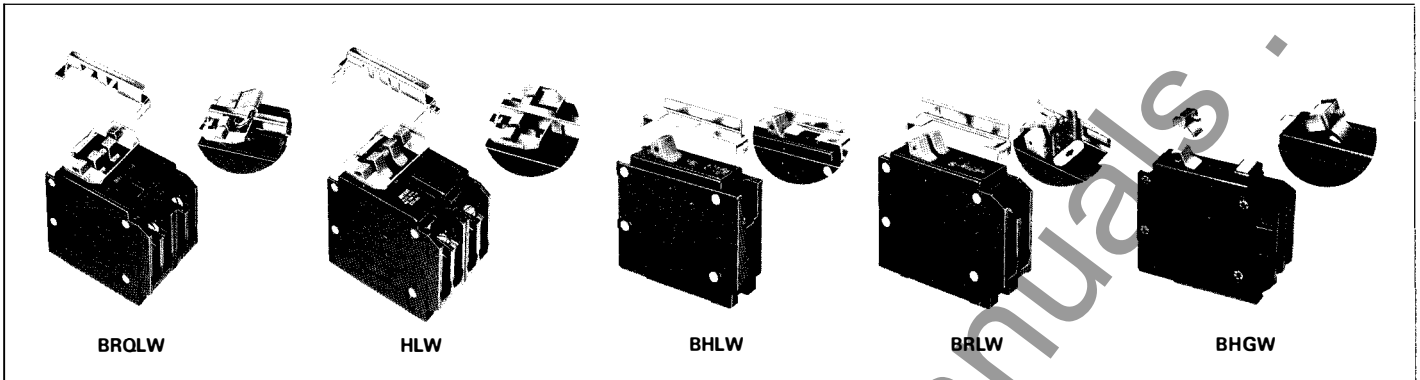
†The overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes, for 10 AWG copper, or 15 amperes for 12 AWG and 25 amperes for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied.

*For dry locations only. See 75 C column for wet locations.

③ Refer to Exception Table at right for conductor sizes permitted on single phase, three wire residential service.



Circuit Breaker Accessories and Wire Ranges



Lockdogs and Padlock Devices

Three newly designed accessories provide positive, tamper-proof performance for circuit breakers installed in commercial, high-traffic and generally accessible areas. The **BHLW** and **HLW** lockdogs, the **BRLW** and **BRQLW** padlock devices are designed to hold the circuit breaker operating handle in the "ON" or "OFF" position. Protects critical operating circuits from unauthorized tampering or use. The load center cover holds

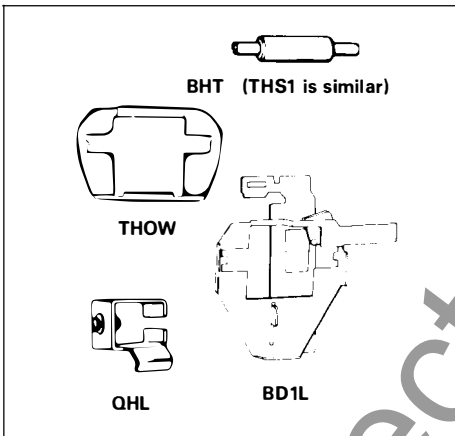
these devices securely in place. Lockdogs and padlock devices do not defeat the trip function of the circuit breaker. (Padlock not supplied). Lockdog device can be reversed for "ON" or "OFF" handle position.

HLW has break-off tabs that provide independent operation of inner or outer handles.

3. Punch-out appropriate "shingles" for circuit breaker handles in load center cover.
4. Secure cover to load center with cover screws. Items are now in place and cannot be removed.
5. For padlock devices, turn circuit breaker handle to the "on" or "off" position and install padlock.

Basic Installation Instructions

1. Install and wire circuit breakers in accordance with N.E.C. and local codes.
2. Install **HLW**, **BHLW**, **BHGW**, **BRLW**, or **BRQLW** according to instructions with each item.



Item	Description	Cat. No.	Car-ton	Std pkg.
Handle Tie	for adjacent poles of two Duplex breakers. SIMUL-TIE® for outside poles of two Duplex breakers. for two of BR (1" per pole) breakers.	THS1	5	50
		THOW	1	30
		BHT	5	50
Lockdog	for BD Duplex, and BQ Quadplex® water heater, and switching neutral breakers. Snap-on. for BR (1" per pole) BD Duplex and QP style breakers. for BRH 3p for single pole GFCB and GFEP breakers.	HLW	10	100
		BHLW	1	25
		QHL	1	10
		BHGW	1	25
Padlock Device	for BD Duplex breakers (padlock not included) for BQ Quadplex breakers for 1" BR (1" per pole, BD Duplex and QP style breakers).	BRDL	1	10
		BRQLV	1	10
		BRLW	1	10
Mechanical Interlock	Accessory for use with two adjacent BD Duplex Breakers which allows only one pair of poles to be in the "ON" position at any given time.	BD1L	1	10

Wire Ranges

Circuit breaker load terminals are of the box lug type. These terminals are listed with Underwriters' Laboratories Inc. for the wire ranges shown in table.

All terminals are "backed off" when received to allow faster insertion of feeder conductors.

Breaker Ampere Rating	Catalog Prefix	AWG Wire Ranges	Torque Values
10, 15, and 20	BD & BQ (Duplex & Quadplex) BR (1" per pole)	10-14 Cu, 10-12 Al 10-14 Cu, 8-12 Al	20 in/lbs
30, 40, and 50	BD & BQ (Duplex & Quadplex) BR (1" per pole)	6-10 Cu, 4-8 Al 4-14 Cu, 4-8 Al	25 in/lbs
60 and 70	BR QP	2-8 Cu, 2-6 Al 2-14 Cu/Al	27 in/lbs
90 and 100	BR QP	14 - 10 8 6 - 4 3 - 1/0	20 in/lbs 25 in/lbs 27 in/lbs 45 in/lbs
125	BR, BRH	14 - 10 8 6 - 4 3 - 1/0	20 in/lbs 25 in/lbs 27 in/lbs 45 in/lbs
150, 200, and 225	BJ, BJH	2-300 MCM Cu/Al	180 in/lbs
125-200	WFP, WFP-T, WFP-T2	#1-300 MCM Cu/Al	200 in/lbs



Load Center Features and Catalog Number Interpretation Data

Keyslot mounting holes symmetrically located for ease of installation

Keyslot mounting hardware facilitates easy removal of interior for empty-box wire pulling

Standard 14 3/8" wide enclosures fit snugly between wall studs. Standard depth 3 7/8"

3 point interior mounting brackets for improved stability

Quick-fastener screws for easy installation of cover

Box, interior and cover shipped in single carton

White individual circuit directories adjacent to each circuit position for easy circuit identification

Combination flush/surface cover with sliding latch

Full size, easy to read wiring diagrams, includes the date code info.

Maximum variety of concentric knockouts, at top, bottom, end, rear and side

Predrilled mounting holes for ease of installing ground bar kits; mountable on either side of enclosure

"Mod/Line" Base units provide convertible interior for convenient interchangeability of plug-on main breakers or plug-on main lug kits 125A through 225A

Hold-down screws safely secure main breaker (or main lug kit) to steel backpan in compliance with NEC requirements

Bonding screw provision aligns mounting hole in neutral with predrilled hole in box for secure bonding (Bondable on either side)

"Twin" Neutral design provides easier wiring and balancing of the load, located in wireway, away from breakers.

Increased wiring gutter space for ease of wiring in compliance with NEC requirements

Convenient flush adjusting screws, allow quick adjustment of interior for clean, neat appearance

Date Coding:

Week of Year	Year	Day of Month
--------------	------	--------------

B102020CT

Commercial Load Center Catalog Interpretation Data

1ST	2ND	3RD	4TH	5TH	6TH	7TH	Example
Phase Identifies 3 Phase Only	Mains Identifies Main Breakers Only	Max. No. 1' Branch Circuits Type BR Brkrs.	Max. No. Poles Available	Max. Ampacity of Mains	Enclosure Type	Special Feature	3 B 42 42 B SQ
3 - Three phase - Single phase	B - Main Breaker 10000 AIC BH Main Breaker 22000 AIC - Main Lugs	2 Circuits 6 Circuits 8 Circuits 10 Circuits 12 Circuits 16 Circuits 20 Circuits 24 Circuits 30 Circuits 40 Circuits 42 Circuits	4 Poles 12 Poles 16 Poles 20 Poles 24 Poles 30 Poles 32 Poles 40 Poles 42 Poles	- 30A - 50A - 100A K - 125A A - 150A B - 200A C - 225A D - 400A E - 600A	NEMA 1 FN Flush FQ Flush SN Surface SQ Surface NEMA 3R RON Hub Class RTN Hub Class	G - Ground Bus	3 phase Main Breaker 10KAIC 42 max. poles 200A Main Rating Surface Mounted NEMA 1

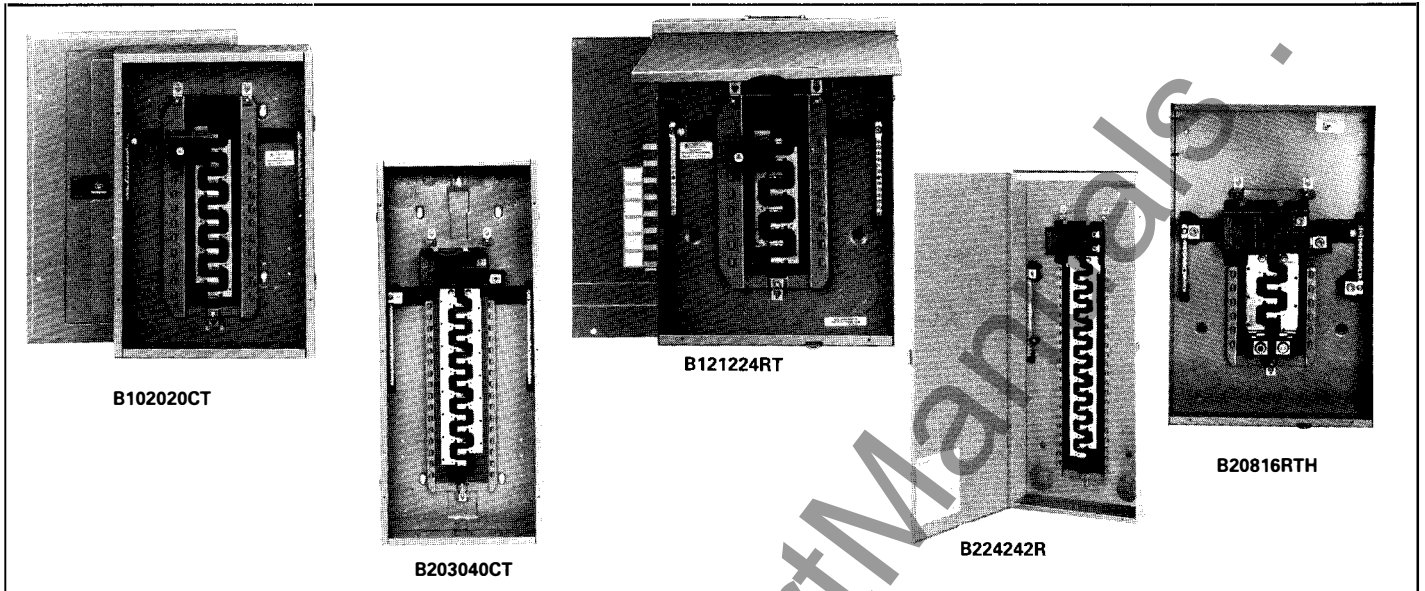
Residential Load Center Catalog Interpretation Data

1ST	2ND	3RD	4TH	5TH	6TH	EXAMPLE
Mains Identifies Main Device	Max. Main Rating	Max. No. 1' Branch Circuits	Max. No. Poles Available	Enclosure Type	Special Feature	B 12 16 24 C T
B - Main Breaker 10000 AIC H - Main Breaker 22000 AIC L - Main Lugs N - No Main Device Mod Line Base Unit for field mounted device	10 - 100 Amp 11 - 110 Amp 12 - 125 Amp 15 - 150 Amp 20 - 200 Amp 22 - 225 Amp	2 Circuits 4 Circuits 6 Circuits 8 Circuits 10 Circuits 12 Circuits 16 Circuits 20 Circuits 24 Circuits 30 Circuits 40 Circuits 42 Circuits	4 Poles 8 Poles 12 Poles 16 Poles 20 Poles 24 Poles 30 Poles 32 Poles 40 Poles 42 Poles	F - NEMA 1 Flush S - NEMA 1 Surface C - NEMA 1 Combination Flush Surface R - NEMA 3R Rain Proof Class R Hubs	G - Ground Bus T - Twin Neutral	Main Breaker 10000 AIC 125A Main Rating 16 1' spaces 24 max poles Combination Flush/Surface NEMA1 "Twin" Neutral



Main Breaker Load Centers

1 Phase, 3 Wire, 120/240 or 240 Volts AC, 22,000 Amp Interrupting Rating



Max. ① Main Rating	Main Breaker Type	No. of 1" Spaces	Max. No. Single Poles	Indoor NEMA 1				Carton Weight (lbs)	Wiring Diag. No.	Box ④ Style No.	Rainproof NEMA 3R		
				10,000 AIC ② Cat. No.	22KAIC Cat. No. ③	Ground Bus Kit	Box ④ Style No.				10,000 AIC ② Cat. No.	Carton Weight (lbs)	BPA Disc. Sym.
Residential Load Centers ④				Combo Flush/ Surface									
100A 6-1/0 Cu 4-1/0 Al	BR	8 10 12 16 20	16 20 20 20 20	B10816CT			19	6 7	5C				
				B101220CT B101620CT B102020CT	H101220CT H101624CT H102020CT	GB8C, GB10C	19 20 22	8 11 14	5C 6C 7C	5R 5R 7R 7R	B101020RT B101224RT B101624RT B102024RT	22 22 24 24	
125A 6-1/0 Cu 4-1/0 Al	BR	16 20	24 24	B121624CT B122024CT		GB8C, GB10C	22 25	11 15	7C 8C	7R 7R	B121624RT B122024RT	26 26	
150A 1-3/0 Cu/Al	WFP-T2 ⑦	8 16 20 24 30	16 30 30 30 30	B151630CT B152030CT B152430CT B153030CT	H151632CT H152030CT	GB8C, GB10C	27 33 29 34	6 12 16 18 20	8C 9C 9C 10C	7R 8R 9R	B15816RTH ⑤ B152040RT B153030RT	28 36 49	LA
200A 1-250 MCM Cu/Al	WFP-T2 ⑦	8 16 20 24 30 40	16 32 40 40 40 40	B201632CT B202040CT B202440CT B203040CT B204040CT	H202040CT H203040CT H204040CT	(2) GB8C, (2) GB10C, (2) GB12C	29 28 34 34 38	6 13 17 19 21 22	9C 9C 10C 10C 11C	7R 8R 9R 10R	B20816RTH ⑤ B202040RT B203040RT B204040RT	28 33 47 48	
225A 4/0-250 MCM Cu/Al	WFP	42	42	B224242C		(2) GB12C, (2) GB8C	40	23	11C		B224242R	50	LC
Commercial Load Centers				Flush	Surface	Ground Bus Kit							
225A 2-300 MCM Cu/Al	DK ⑥	42	42							41	B4242CR1N	74	
400A (2) 3/0-250 MCM Cu/Al	DK ⑥	42	42	B4242DFN	B4242DSN	3GB14, 3GB21, 3GB30, 3GB39	109	40	24	47	B4242DR1N	114	LC
600A (2) 3/0-500 MCM Cu/Al	LA	42	42	B4242EFN	B4242ESN		125	40	24	47	B4242ER1N	127	

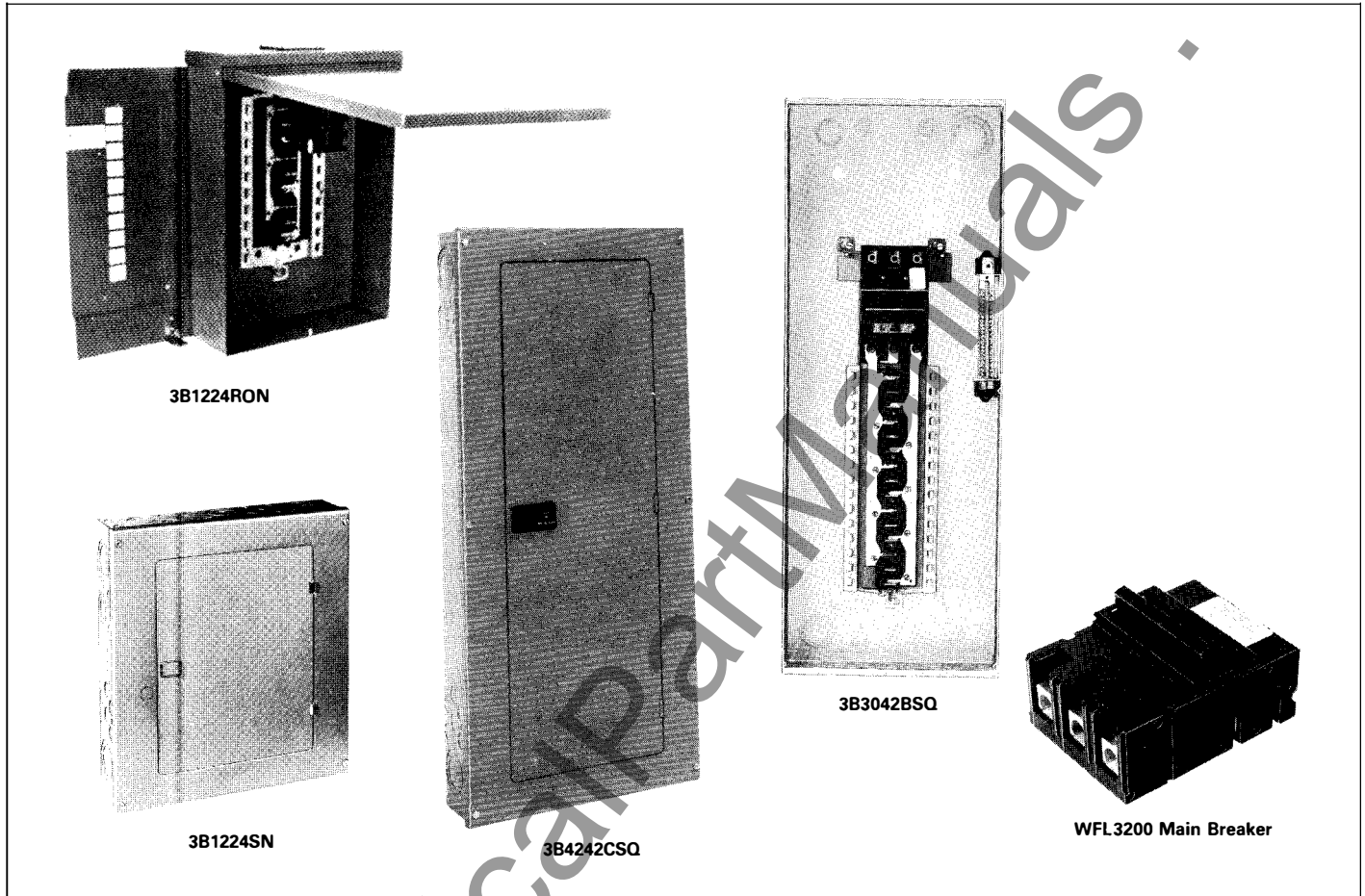
① All main breaker load centers are limited for use as service entrance equipment and are shipped with a bonding screw kit. The max. main rating of the panel is the main breaker rating when used as service entrance equipment.
 ② 22,000 AIC Rating maintained when BR, BD, BQC 10,000 AIC branch breakers are used in conjunction with BRH or WFPH main breakers.
 ③ For other 22KAIC Ratings refer to Mod. Line Base Unit and associated main breaker kits. Only catalogs shown are available as factory assembled.

④ Refer to pages 17, 18, and 19 for Box Style Number and Dimensions.
 ⑤ DK Main Breaker is rated 65,000 AIC @ 240V and allows a 22,000 AIC rating on the panel when BR, BD, BQC, BJ are used as branch breakers. Alternate available terminals.
 ⑥ Includes RH200 Hub and thru-feed lugs for both phase and neutral.
 ⑦ Remove suffix "2" for use with previous Type Load Centers.



Main Breaker Load Centers

3 Phase, 4 Wire, 120/208 or 240 Volts AC
22,000 Amp Interrupting Rating



Commercial Load Centers

Max. ① Main Rating	Main ① Breaker Type	1" Spaces	Max. No. Single Poles	Indoor NEMA 1				Rainproof NEMA 3R					
				10,000 AIC ②		Carton Weight (lbs.)	Wiring Diag. No.	Box ④ Style No.	Box ④ Style No.	10,000 AIC ② Cat. No.	Carton Weight lbs.	Ground Bus Kit	BPA Disc. Symbol
				Flush	Surface								
100A 6-1/0 Cu 4-1/0 Al	BR ⑤	12	24	3B1224FN	3B1224SN	22	24	6	27	3B1224R0N	24		
150A 1-2/0 Cu 1-3/0 Al	WFL ⑥	30	42	3B3042AFQ	3B3042ASQ	45	27A	14	35	3B3042AR1Q ⑦	51	3GB14, 3GB21, 3GB30, 3GB39	LD
200A 2/0-250 MCM Cu/Al	WFL ⑥	30 42	42 42	3B3042BFQ 3B4242BFQ	3B3042BSQ 3B4242BSQ	45 51	27A 29A	14 16	35 37	3B3042BR1Q ⑦ 3B4242BR1Q ⑦	52 60		
225A 4/0-300 MCM Cu/Al	WFL ⑥	42	42	3B4242CFQ	3B4242CSQ	75	29A	16	41	3B4242CR1Q ⑦	78		
400A (2) 3/0-250 MCM Cu/Al	DK ⑥	42	42	3B4242DFN	3B4242DSN	115	39	24	47	3B4242DR1N	118	3GB14, 3GB21, 3GB30, 3GB39	LC
600A (2) 250-500 MCM Cu/Al	LA	42	42	3B4242EFN	3B4242ESN	131	39	24	47	3B4242ER1N	134		

① All Main Breaker Load Centers are listed for use as service entrance equipment and are shipped with a Bonding Screw Kit. The maximum main rating of the panel is the main breaker rating when used as service entrance equipment.

② 22,000 AIC Rating maintained when BR, BD, BQC 10,000 AIC branch breakers are used in conjunction with BRH and WFLH main breakers.

③ Refer to pages 17, 18, and 19 for Box Style Numbers, Dimensions, K/O data.

④ BRH Main Breaker required for 100A 22,000 AIC Ratings. Order by changing prefix 3B to 3BH (i.e.: 3BH1224FN) Non-Stock.

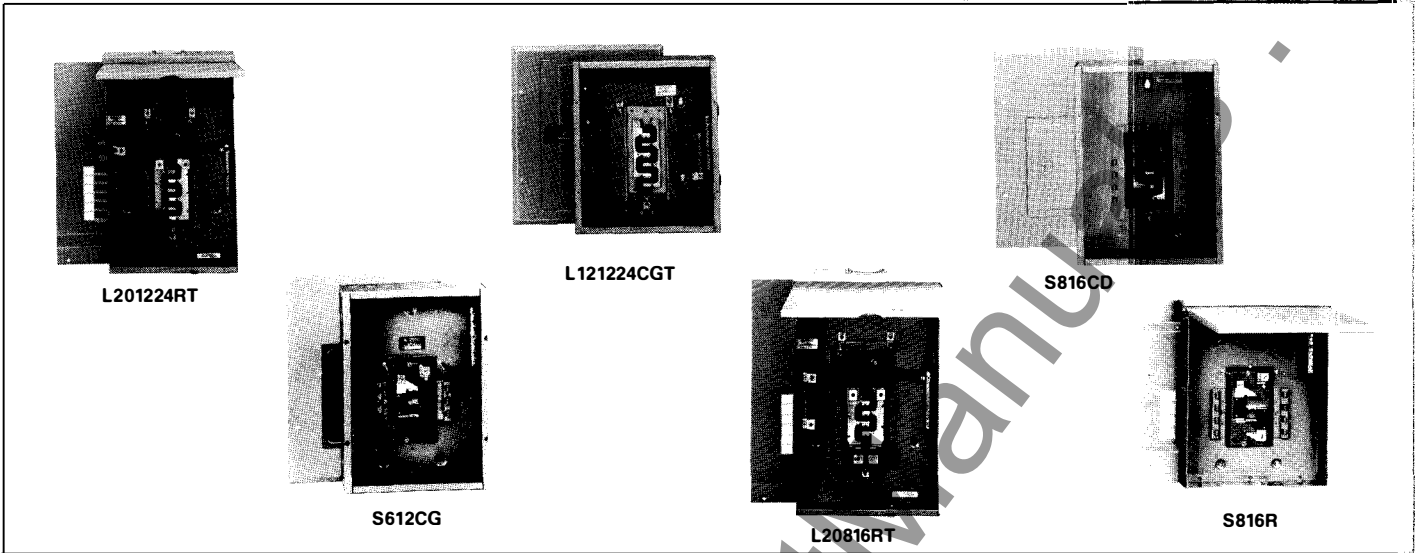
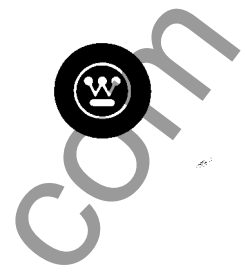
⑤ WFLH Main Breaker required for 150A, 200A, 22,000 AIC Ratings. Order by changing prefix 3B to 3BH (i.e.: 3BH4242BFQ) Non-Stock.

● Use RH Type Hubs.

⑥ DK Main Breaker is rated 65,000 AIC @ 240V and allows a 22,000 AIC rating on the panel when BR, BD, BQC, BJ are used as branch breakers. Alternate DK terminals are available. See page 7.

Main Lug Load Centers

1 Phase, 3 Wire, 120/240 Volts AC
22,000 Amp Interrupting Rating



Main Rating	No. of 1" Spaces	Max. No. Single Poles	Indoor NEMA 1				Rainproof NEMA 3R				BPA Disc. Symbol
			Cat. No. 10,000 AIC ^①	Carton Weight lbs/Qty	Wiring Diagram No.	Box ^② Style No.	Box ^{③②} Style No.	Cat No. ^①	Carton Weight lbs/Qty		
Residential Load Centers			Combo Flush/Surface	Ground Bus Kit							
125A 6-2/0 Al 6-1/0 Cu	4 4	8 8	S48F S48FG	S48S S48SG	43/5 44/5	3 3	3C 3C	3R	S48R	54/5	
125A 6-2/0 Cu/Al	6	12	S612C ^⑤	GB6C	11	4	4C	4R	S612R	13	LB
	4	8	S612CG	GB6C	12	4	4C				
	6	12	S612CD ^⑤	GB6C	13	4	4C				
	4	8	S612CDG	GB6C	14	4	4C				
	8	16	S816C ^⑤	GB6C	12	5	4C	4R	S816R	14	
	4	8	S816CG	GB6C	13	5	4C				
	8	16	S816CD ^⑤	GB6C	13	5	4C				
	4	8	S816CDG	GB6C	14	5	4C				
	12	24	L121224CT	GB10C, GB8C	18	9	5C	5R	L121224RT	20	
	12	24	L121224CGT	GB10C, GB8C	18	9	5C				
16	24	L121624CT	GB10C, GB8C	19	11	6C	7R	L121624RT	19		
20	24	L122024CT	GB10C, GB8C	21	15	7C					
24	24	L122424CT	GB10C, GB8C	23	15	8C		L122024RT	24		
150A 3-2/0 Cu/Al	12	24	L151224CT	GB12C, GB10C	23	9	8C				
	16	30	L151630CT	GB12C, GB10C	25	12	8C				
	20	30	L152030CT ^⑦	GB12C, GB10C	24	16	8C				
200A 1-250 MCM Cu/Al	8	16	L201224CT	GB14C,	22	9	8C	7R	L20816RT	26	
	12	24	L202040CT	(2)GB10C, GB12C	27	17	9C	7R	L201224RT	26	
	20	40	L202440CT	(2)GB10C, GB12C	34	19	10C	8R	L202040RT	30	
	24	40	L203040CT	(2)GB10C, GB12C	34	21	10C	9R	L203040RT	45	
	30	40	L204040CT	(2)GB10C, GB12C	36	22	11C	10R	L204040RT	52	
225A 2-300 MCM Cu/Al	42	42	L224242CT	(2)GB12C		23	11C				
Commercial Load Centers			Flush	Surface						Ground Bus Kit	
225A 2-300 MCM Cu/Al	42	42	4242CFN	4242CSN	74	23	14	37	4242CR1N	78	
400A (1) 4/0-750 MCM Cu/Al or (2) 3/0-400 MCM Al or (2) 3/0-300 MCM Cu	12	24	1224DFN	1224DSN	62	31	19	42	1224DR1N	71	3GB14, 3GB21, 3GB30, 3GB39
	24	42	2442DFN	2442DSN	72	32	20	44	2442DR1N	80	
	42	42	4242DFN	4242DSN	87	35	22	46	4242DR1N	96	
600A (2) 2-500 MCM Cu/Al	42	42	4242EFN	4242ESN	89	35	22	46	4242ER1N	98	LC

① 22,000 AIC Ratings are maintained when BRH branch breakers are used. 22,000 AIC Rating maintained when BR, BD, BQC are used as branch breakers only in conjunction with a main BRH or WFPH Main Breaker.

② Refer to pages 17, 18, and 19 for Box Style Number and Dimensions.

③ Raintight panels are provided with hub closer plates.

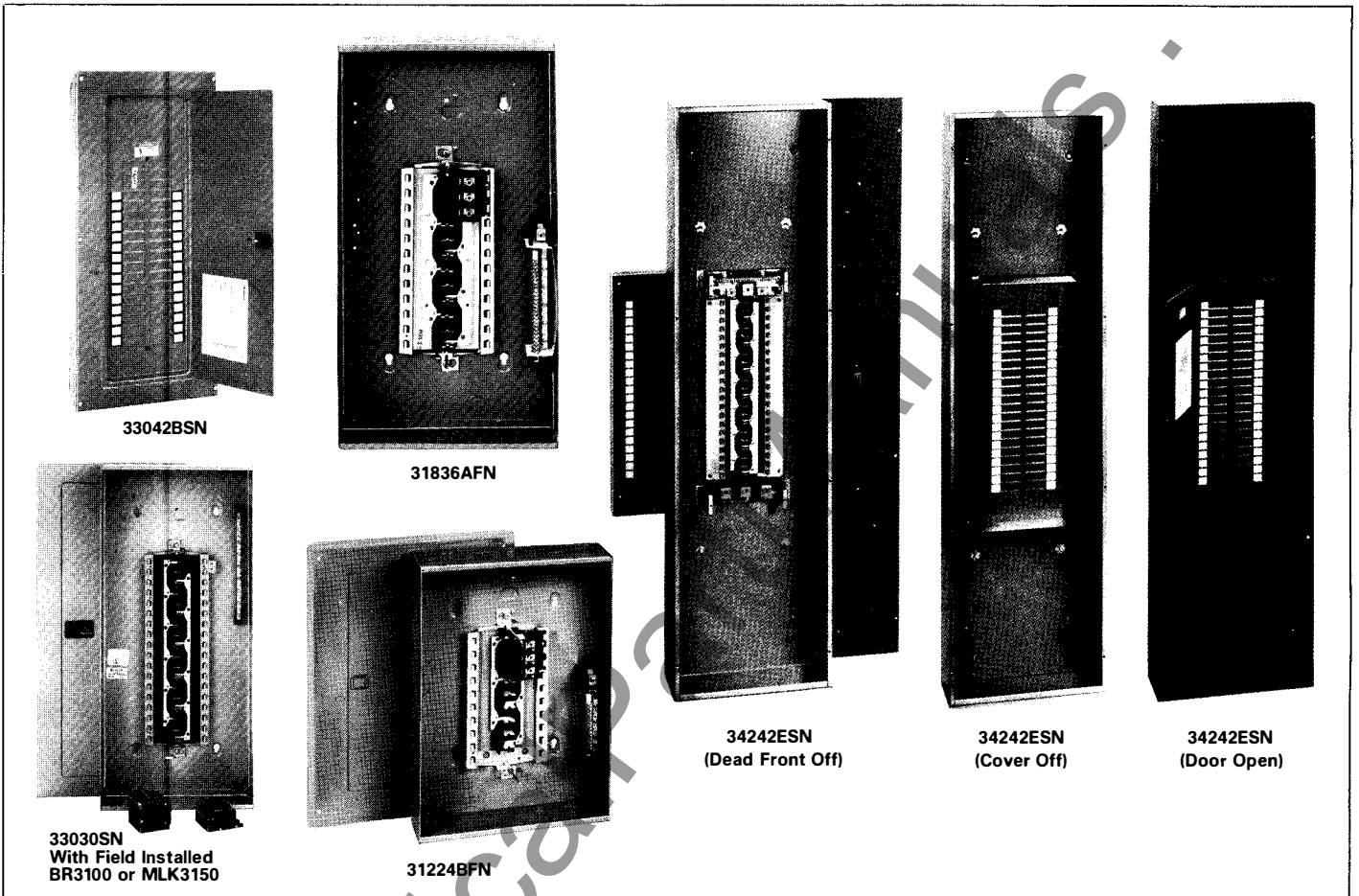
④ Order HDK125 for Back Fed Main Hold Down if required.

⑤ May be field converted to main breaker unit. Interior adjustability is standard.



Main Lug Load Centers

3 Phase, 4 Wire, 120/208 or 240 Volts AC
22,000 Amp Interrupting Rating



Main Rating	No. of Spaces	Max. No. Single Poles	Indoor NEMA 1						Rainproof NEMA 3R				
			Cat. No. 22,000 AIC ^①		Carton Weight lbs./Qty	Wiring Diagram No.	Box ^② Style No.	Box ^② Style No.	Cat No. ^③	Carton Weight lbs./Qty	Ground Bus Kit	BPA Disc. Symbol	
Convertible Load Centers ^④			Flush	Surface									
100A 1-6 Cu/Al	30	30	33030FN	33030SN	36								LD
Commercial Load Centers			Flush	Surface									
125A 14-2/0 Cu. 8-3/0 Al	12	24	31224FN	31224SN	22	24	6	27	31224R0N	23			
150A 1-250 MCM Cu/Al	18	36	31836AFN	31836ASN	27	25	9	32	31836AR1N	32	3GB14, 3GB21, 3GB30, 3GB39	LD	
	24	42	32442AFN	32442ASN	33	26	11	34	32442AR1N	35			
200A 2-300 MCM Cu/Al	12	24	31224BFN	31224BSN	26	24	8	31	31224BR1N	29			
	18	36	31836BFN	31836BSN	29	25	9	32	31836BR1N	32			
	24	42	32442BFN	32442BSN	31	26	11						
	30	42	33042BFN	33042BSN	36	27	12	35	33042BR1N	42			
	36	42	33642BFN	33642BSN	42	28	13	37	34242BR1N	51			
	42	42	34242BFN	34242BSN	44	29	14						
225A 2-300 MCM Cu/Al	42	42	34242CFN	34242CSN	71	30A	16	41	34242CR1N	73			
400A (1) 4/0-750 MCM Cu/Al, or (2) 3/0-400 MCM Al, or (2) 3/0-300 MCM Cu	18	36	31836DFN	31836DSN	71	33	19	43	31836DR1N	80	3GB14, 3GB21, 3GB30, 3GB39	LC	
	24	42	32442DFN	32442DSN	73		19	44	32442DR1N	83			
	42	42	34242DFN	34242DSN	89	34	22	46	34242DR1N	97			
600A (2) 2-500 MCM Cu/Al	42	42	34242EFN	34242ESN	87	34	22	46	34242ER1N	95			

^① 22,000 AIC Ratings are maintained when BRH branch breakers are used. 22,000 AIC Rating can be maintained when BR, BD, BQC branch breakers are used only in conjunction with main BRH or BJH Breakers.

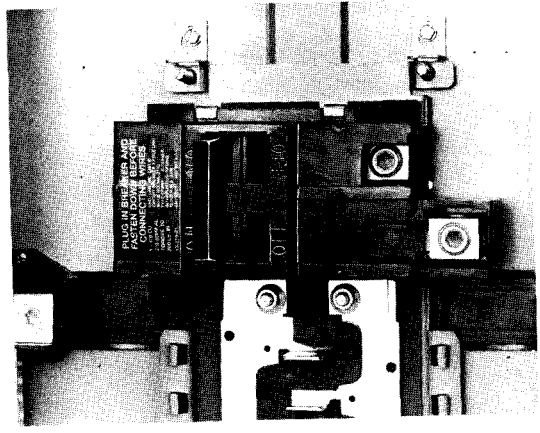
^② Refer to pages 17, 18, and 19 for Box Style Number, Dimensions, and K/O data.
^③ Raintight panels are furnished with hub closer plates. For raintight hubs refer to page 16.

^④ Must order main breaker or lug block separately.

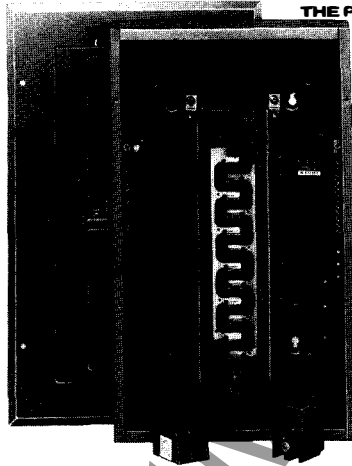
Mod/Line Load Center Base Units
1 Phase 3 Wire 120/240 Volts AC
22,000 Amp Interrupting Rating



www.winn-dixie.com



WFP2200T2
Main Breaker
(Field Installed)



N122024CT
with MLK 2125 Lug Kit
and BR2125B Breaker



WTL202A
Main Lugs
(Field Installed)

Mod Line Base Units ^①					Indoor NEMA 1			Rainproof NEMA 3R ^②			
Max. ^③ Main Rating	No. of 1" Spaces	Max. Single Poles	Catalog No. 22,000 AIC ^④ ⑥		Carton Weight lbs.	Wiring Diagram No.	Box ^⑥ Style No.	Box ^⑥ Style No.	Catalog No. 22,000 AIC ^④	Carton Weight lbs.	BPA Discount Symbol
			Combination Flush/Surface	Ground Bus Kit							
125A	12	24	N121224CT	GB12C	19	9	6C	5R	N121224RT	21	LI
	16	26	N121624CT	GB10C,GB8C	21	11	7C	7R	N121624RT	24	
	20	24	N122024CT	GB10C,GB8C	23	15	7C	7R	N122024RT	26	
200A	8	16	N201224CT	GB8C,10C,12C	22	6		7R	N20816RT ^⑦	26	
	12	24	N201632CT	GB8C,10C,12C	25	9	8C	7R	N201224RT	24	
	16	32	N202040CT ^⑧	(2) GB8C,10C,12C	26	13	8C	7R			
	20	40	N203040CT ^⑧	(2) GB8C,10C,12C	32	17	9C	8R	N202040RT	33	
	30	40	N204040CT ^⑧	(2) GB8C,10C,12C	35	21	10C	9R	N203040RT	40	
40	40	N204040CT ^⑧	(2) GB8C,10C,12C		22	11C	10R	N204040RT	50		

Main Devices Main Circuit Breakers and Main Lug Kits

Main Breakers ^⑨ 2 Pole 120/240 VAC		10,000 AIC Cat. No.	22,000 AIC Cat. No. ^④	BPA Discount Symbol	Main Lug Kits 2 Pole 120/240 VAC		Cat. No.		BPA Discount Symbol
100A	6-1/0 Cu 4-1/0 Al	BR2100B	BRH2100B	CA	125A	3-2/0 Al 3-1/0 Cu	MLK 2125		LK
110A	6-1/0 Cu 4-1/0 Al	BR2110B	BRH2110B						
125A	6-1/0 Cu 4-1/0 Al	BR2125B	BRH2125B						
125A	1-2/0 Cu 2/0-3/0 Al	WFP2125T2 ^⑩	WFPH2125T2 ^⑩	CD	150A	1/0-300 MCM Cu/Al	WTL202A ^⑪		
150A	1-2/0 Cu 2/0-3/0 Al	WFP2150T2 ^⑩	WFPH2150T2 ^⑩						
175A	1-4/0 MCM Cu 2/0-300 MCM Al	WFP2175T2 ^⑩	—						
200A	1-4/0 MCM Cu 2/0-300 MCM Al	WFP2200T2 ^⑩	WFPH2200T2 ^⑩						

① 125A Mod Line Base unit catalog numbers include Interior, Box and Cover only. Main Devices and accessories must be ordered separately for field installation. All Mod Line base units are listed as suitable for use as service entrance equipment when used as permitted by Article 384 of the NEC.

② Rainproof Base Units are furnished with a hub closer plate.

③ The max. rating of the panel is the main breaker rating when used as service entrance equipment.

④ 22,000 AIC rating is maintained when BR, BD, BQC 10,000 AIC branch breakers are used in conjunction with BRH and WFPH main breakers.

⑤ Hold down screw comes with load center not breaker.

⑥ Refer to pages 17, 18, and 19 for Box Style Number and Dimensions.

⑦ Available with Thru-Feed Lugs for both phase and neutral conductors.

⑧ Suffix "B" required when the word "Main" is stamped on handle, through 125 amp.

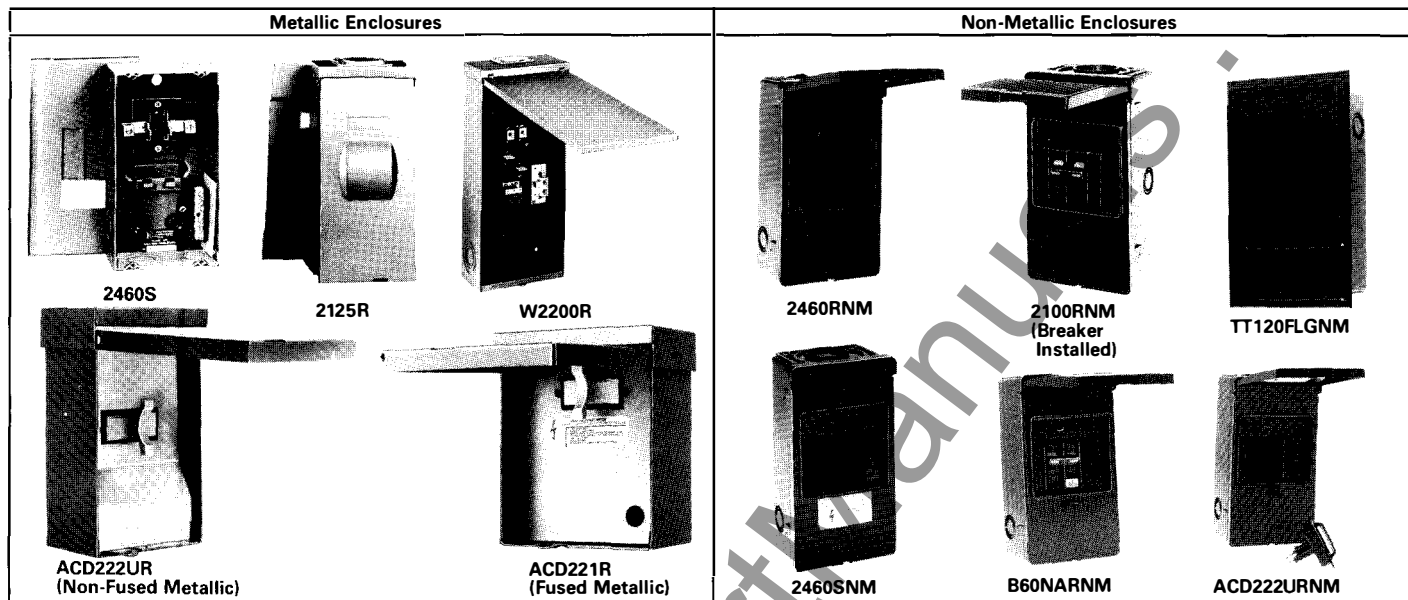
⑨ Remove suffix "A" for use with previous Type Load Centers made before 1991.

⑩ Order HDK125 for Back Fed Main Hold Down Kit if required.

⑪ Remove suffix "2" for use with previous Type Load Centers made before 1991.



Unit Enclosures Metallic/Non-Metallic ACD Pull-Out Units



Metallic Unit Enclosures – 1φ 3W 120/240 Volts AC

Main Rating	No. of Spaces	Max. No. Single Poles	Indoor NEMA 1		Carton Weight lbs/Qty	Wiring Diagram No.	Box Style No.	Rainproof NEMA 3R			BPA Disc. Symbol
			Cat. No. 10,000 AIC					Box Style No.	Cat. No.	Carton Weight lbs/Qty	
			Flush	Surface							
30A 14-4 Cu/Al (To be Discontinued)	2	4	2430FLN 2430FLNG	2430SLN 2430SLNG	28/10 30/10	2 2	1 1				
60A 12-2 Al 14-2 Cu	2	4	2460F 2460FG	2460S 2460SG	33/10 35/10	2 2	1C 1C	1R	2460R	50/10	LB
100A 6-1/0 Cu/Al	2	2				1		1R	2100R ^③	50/10	
125A 6-2/0 Al 6-1/0 Cu	2	2	2125F	2125S	33/5	1	2C	2R	2125R	41/5	
200A 6-300 MCM Cu/Al ^④	2	2		W2200	15	1	15	40	W2200R	19	
225A 6-300 MCM Cu/Al ^④	2	2		W2225	19	1	15A	40A	W2225R	26	

Metallic Unit Enclosures – 3φ 4W 120/240 Volts AC

100A 14-1/0 Cu/Al	3	3		3100S	34/5	23A	3	24	3100R	50/5	LD
225A 1/0-300 MCM Cu/Al ^④	3	3		W3225	19	23A	15A	40A	W3225R	26	

Non-Metallic Unit Enclosures – 1φ 3W 120/240 Volts AC^②

60A #6-#2 Cu/Al	2	4	2460FNM 2460FGNM	2460SNM 2460SGNM	11/10 12/10	2 2	1 1	1	2460RNM	13/10	LB
100A #14-#2 Cu/Al	2	4				1		1	2100RNM	15/10	

Non-Metallic Non-Automatic Circuit Breaker Unit – 1φ 2W 120/240 Volts AC

60A #6-#2 Cu/Al	2	4	—	B60NARNM	18/10	2A	1	1	B60NARNM	18/10	LB
-----------------	---	---	---	----------	-------	----	---	---	----------	-------	----

Non-Metallic Travel Trailer Panels – 1φ 120 Volts AC

40A #8-#14 Cu/Al	3	6	TT120FLGNM	TT120SLGNM	11/10	2B	1	—	—		LB
------------------	---	---	------------	------------	-------	----	---	---	---	--	----

Air Conditioner Pull-Out Unit – 1φ 2W 240 Volts AC – NEMA 3R RH Hub Provision

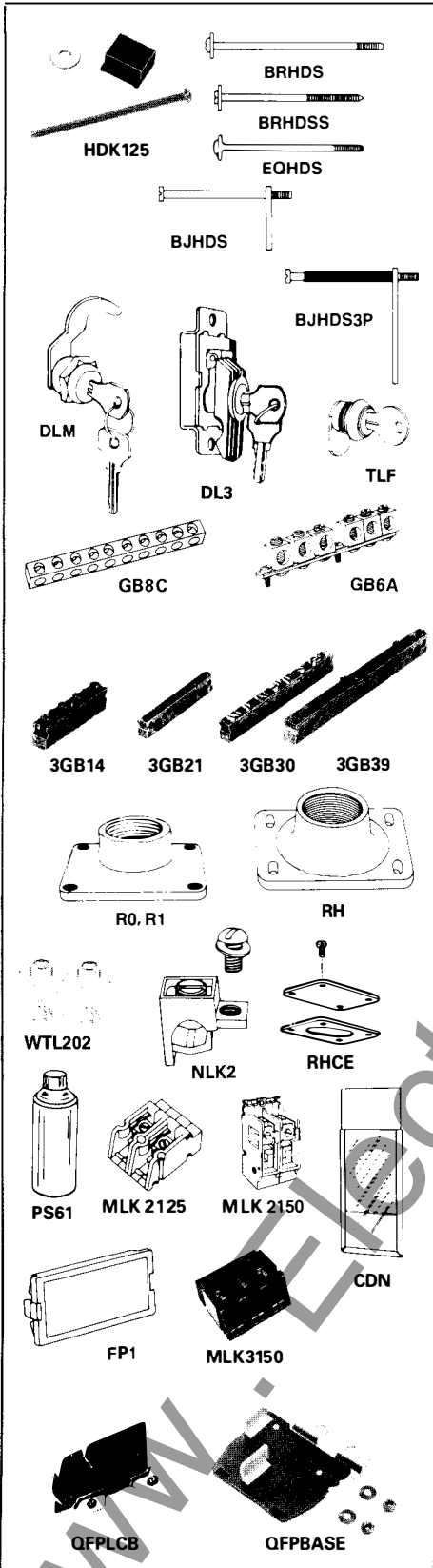
Max. Main Rating	Non-Metallic Cat. Number	Metallic Cat. Number	Wiring Diagram	Box Dimensions			Pallet Qty.	Max. HP Rating	Carton Weight lbs/Qty	BPA Disc. Symbol
				H	W	D				
60A #2-#2 Cu/Al (Non Fused)	ACD222URNM	ACD222UR	2C	8 ⁵ / ₈ 8 ¹ / ₂	5 4 ⁷ / ₈	3 ¹ / ₂ 3 ³ / ₈	320 288	10	15/10 20/6	LB
60A #2-#2 Cu/Al (Fused)	ACD222RNM ^①	ACD222R	2D	8 ⁵ / ₈ 7 ⁵ / ₈	5 6 ¹ / ₄	3 ¹ / ₂ 3 ³ / ₈	320 244	10	15/10 20/6	
30A #8-#14 Cu/Al (Fused)	ACD221RNM ^①	ACD221R	2D	8 ⁵ / ₈ 7 ⁵ / ₈	5 6 ¹ / ₄	3 ¹ / ₂ 3 ³ / ₈	320 244	3	15/10 20/6	

① Availability to be announced.
 ② Accessory Ground Bar GB4NM is available.
 ③ Order Type WFP breaker separately.
 ④ May be applied on 100A residential services.

Note: See pages 5, 6 for circuit breakers.



Load Center Accessories



Item	Description	Cat. No.	Car-ton	Std. Pkg.				
Hold Down Kit (125 Amp Maximum)	Snap In Plastic Mold to Secure a Back Fed BR Breaker in 200 Amp Max. Panels	HDK125	1	10				
Hold-Down Screw	for bolting BR breakers with "B" suffix: for bolting BJ breakers 2p for bolting BJ breakers 3p	EQHDS BJHDS BJHDS3P	10 1 1	50 10 10				
Nema 1 Door Lock Kit	Tumble Type Master Keyed for all single and three phase Indoor Load Centers thru 225 Amp for all single and three phase Indoor Load Centers rated 400 and 600 Amp	TLF DL3	1 1	10 10				
Neutral Lug Kit No. 2/0	2/0 Cu/Al Terminal adapter kit for neutral/grd. bus.	NLK2	1	10				
Ground Bar Kit Key:		GB3	1	10				
No. of Wires	Wire Size	Torque In. Lbs.						
(1) #8 CU/AL		22	GB2C	1 25				
or (1) #14-10 CU or #12-10 AL		20	GB3A	1 10				
or (2) #14-10 CU or #12-10 AL		20	GB4C	1 25				
or (1) #14-4 CU/AL		50	GB6C	1 25				
(1) #14-2 CU/AL		50	GB6A	1 10				
(1) #14-1/0 CU/AL		50	GB8C	1 25				
(1) #14-2/0 CU/AL		50	GB8C-2/0	1 10				
(1) #14 to 1/0 AWG CU			GB10C	1 25				
(1) #12 to 1/0 AWG AL			GB10C-2/0	1 10				
(2) #14 AWG CU			GB12C-2/0	1 10				
(2) #12 AWG CU/AL			GB14C	1 25				
(2) #10 AWG CU/AL			GB14C-2/0	1 10				
			3GB14	1 25				
			3GB21	1 5				
			3GB30	1 25				
			3GB39	1 25				
● Mounting Holes in Bar	Mount grounding bar to back of box using 2 screws and 2 holes provided.							
Conduit Hub for rainproof enclosures (screws to mount hubs are furnished with the rainproof enclosures)	Nominal Conduit Size	For Encl. Cat. No. Ending in R, RT	For Encl. Cat. No. Ending in R0	For Encl. Cat. No. Ending in R1	Car-ton	Std. Pkg.		
	3/4"	RH75	ROH075	—	—	25		
	1"	RH100	ROH100	—	—	25		
	1 1/4"	RH125	ROH125	—	—	25		
	1 1/2"	RH150	ROH150	—	—	25		
	2"	RH200	ROH200	R1H200	—	25		
RHCE - Cover Plate				R1H200S	—	25		
R1HA - Adaptor Plate				R1H250S	—	25		
	2 1/2"	RH250	—	R1H300	—	5		
	3"	RHCE	—	R1HA	—	5		
	Plate							
Sub-Feed Lug Kit	Main or Lug Kit	Amps	Poles	1" Spaces Required	AWG Wire Ranges	Cat. No. ①	Car-ton	Std. Pkg.
		125	2	2	6-1/0 Cu. 6-2/0 Al 125 A 2p	MLK2125	5	20
		150	2	4	14-2/0 Cu. 8-3/0 Al 150 A 2p	MLK2150	5	20
		225	2	4	1/0-300 MCM Cu/Al 225 A 2p	MLK2225	5	20
		150	3	6	14-2/0 Cu. 8-3/0 Al 150 A 3p	MLK3150	5	20
		225	3	6	1/0-300 MCM Cu/Al 225 A 3p	MLK3225	5	20
Main Lugs (150-200A)	Terminals bolt directly to bus bars					WTL202A②	1	10
Circuit Directory	Metal framed, plastic covered, adhesive back (use 2 for more than 24 circuits)					CDN	1	5
	Adhesive backed (use 2 for more than 24 circuits)					CD1	10	100
Touch Up Paint spray	16 oz. can ASA 61 Grey to match finish of Westinghouse load centers					PS61	1	6
Plastic Cover Filler Plate (Snap-in)	Individual Plate					FP1,WFP1C	1	
	Standard package containing 100 plates Bulk Packed Only.					FP1B	1	100
Bulk Packed Misc. Load Center Hardware	Ref. High Volume 1Ø Load Centers thru 200 Amp Only. Consists of: Trim Screws, Bonding Screws, Latches, Latch Springs, Door Hinges, Circuit Strips, etc.					KANDO	1	1
QFP/WFP Main Breaker Mounting Plate 150-200A - 1Ø only with Hardware (Special Order Required)	Obsolete Mounting Plate for Load Centers produced prior to 1991					QFP1CB	1	10
	Current Mounting Plate					QFPBASE	1	10
Surge Arrestor	UL Listed Secondary Silicon Carbide Surge Arrestor - 120 Volt. Mounts in Standard 1/2" KO. 60 Hz					9200-10	1	1

● Minimum Torque requirements: 150A 50 inch pounds; 225A 120 inch pounds.
 ● Remove suffix "A" for use with previous Type Load Centers made before 1991.
 ③ Use only ground bars with suffix C on new residential load centers. (Cats Ending in CT, RT)
 Refer to Catalog 30-390 for all Replacement Parts.



Residential Load Center Dimensions and Knockout Data Indoor NEMA 1 and NEMA 3R Enclosures

Residential Loadcenters Indoor NEMA 1

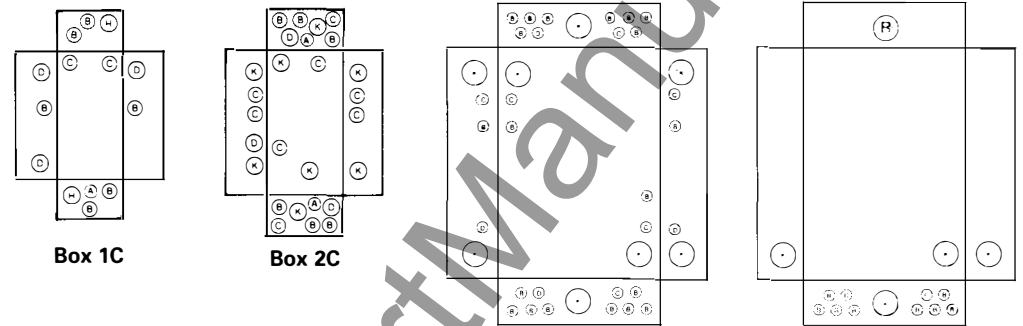
Box Style	Dimensions		
	H	W	D
1C	8 ⁵ / ₈	4 ⁵ / ₈	2 ⁷ / ₈
2C	14 ¹ / ₄	6 ⁵ / ₈	3 ¹ / ₂
3C	12	11	3 ¹ / ₂
4C	15	11	3 ¹ / ₂
5C	16 ³ / ₄	14 ³ / ₈	3 ⁷ / ₈
6C	18 ³ / ₄	14 ³ / ₈	3 ⁷ / ₈
7C	20 ³ / ₄	14 ³ / ₈	3 ⁷ / ₈
8C	23	14 ³ / ₈	3 ⁷ / ₈
9C	27	14 ³ / ₈	3 ⁷ / ₈
10C	33	14 ³ / ₈	3 ⁷ / ₈
11C	37	14 ³ / ₈	3 ⁷ / ₈

Knockouts

Letter	A	B	C	D	E	F	H	H-1	I	J	K	M	N	P	Q	S	T-1
	5 ¹ / ₁₆	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	1	1	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	2	2 ¹ / ₂
	...	...	3/4	3/4	3/4	...	1	1	1	...	1 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	2	2	2 ¹ / ₂	3
Conduit	...	...	...	1	1	...	1 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₄	...	1 ¹ / ₂	2	2	2 ¹ / ₂	2 ¹ / ₂	3	3 ¹ / ₂
Size	...	...	...	...	1 ¹ / ₄	...	...	...	1 ¹ / ₂	...	...	...	2 ¹ / ₂	3	...	...	...

Residential Loadcenters Rainproof NEMA 3R

Box Style	Dimensions		
	H	W	D
1	8 ⁵ / ₈	5	3 ¹ / ₂
1R	9 ¹³ / ₁₆	5	3 ³ / ₄
2R	14 ¹ / ₄	6 ⁵ / ₈	3 ¹ / ₂
3R	12	11	3 ¹ / ₂
4R	15	11	3 ¹ / ₂
5R	18 ³ / ₄	14 ¹ / ₂	4 ¹ / ₂
6R	20 ³ / ₄	14 ¹ / ₂	4 ¹ / ₂
7R	23	14 ¹ / ₂	4 ¹ / ₂
8R	29	14 ¹ / ₂	4 ¹ / ₂
9R	33	14 ¹ / ₂	4 ¹ / ₂
10R	37	14 ¹ / ₂	4 ¹ / ₂

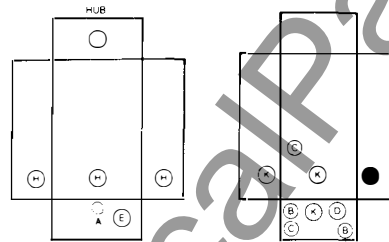


Box 1C

Box 2C

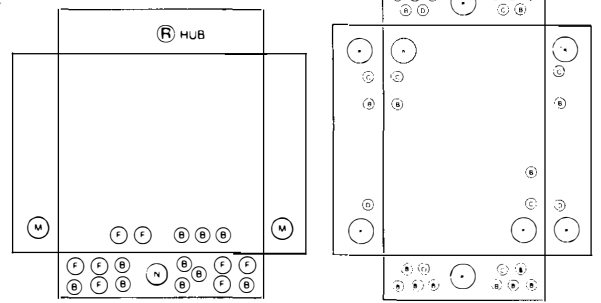
Box 3C

Box 3R



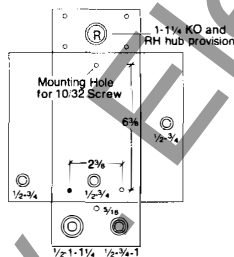
Box 1R

Box 2R

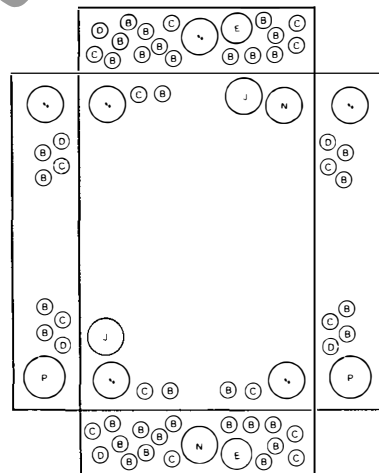


Box 4R

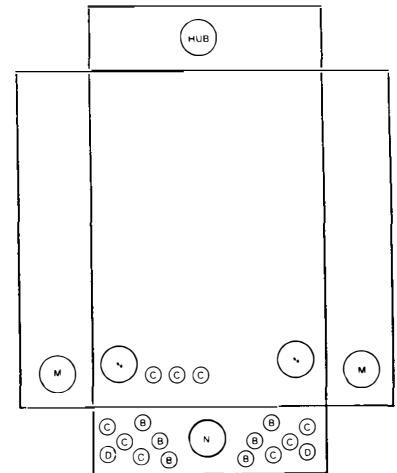
Box 4C



Box 1



Box 5C, 6C, 7C, 8C, 9C, 10C, 11C



Box 5R, 6R, 7R, 8R, 9R, 10R

Note: R Hub Hole Accept 3 - RH075 (3/4"), RH100 (1"), RH125 (1 1/4"), RH150 (1 1/2"), RH200 (2")



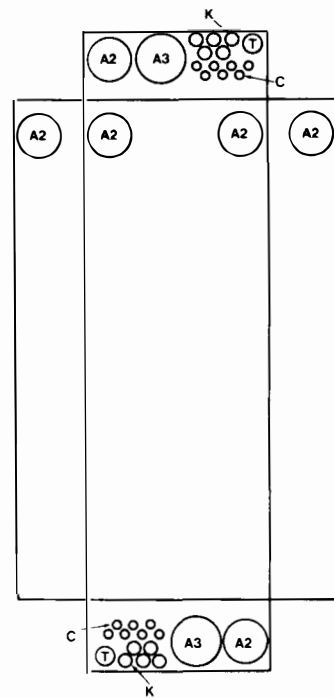
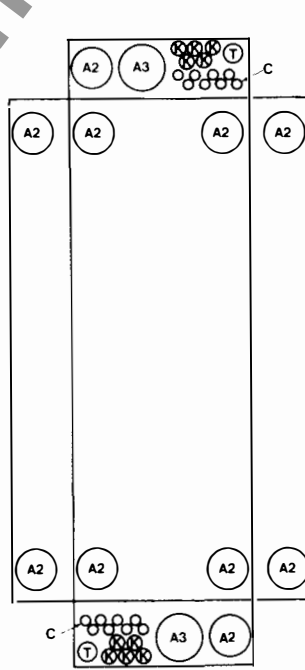
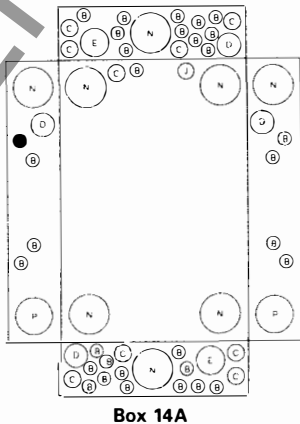
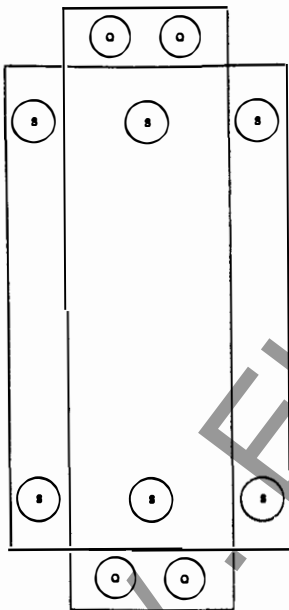
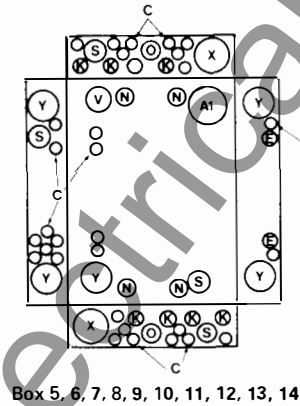
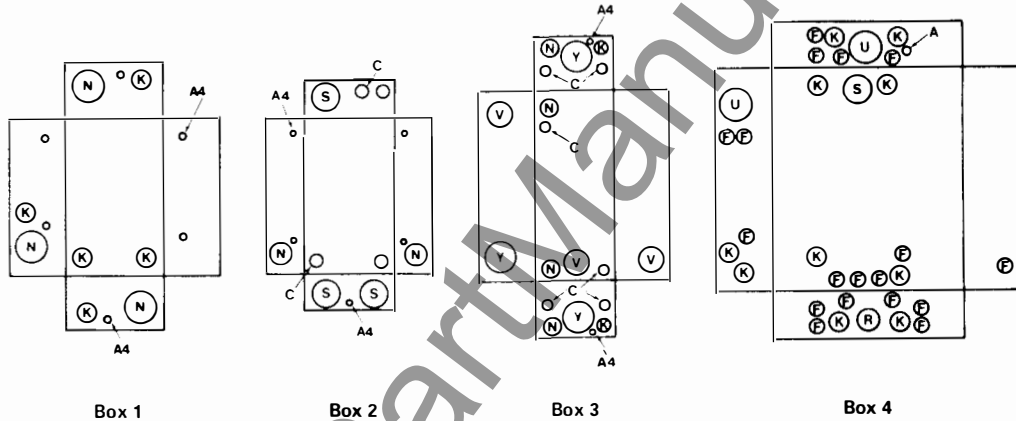
Load Center Dimensions and Knockout Data Indoor NEMA 1 Enclosures

Commercial Load Centers Indoor NEMA 1

Box Style	Dimensions		
	H	W	D
1	7	4 ³ / ₈	2 ¹⁵ / ₃₂
2	10 ⁵ / ₈	6	2 ¹⁵ / ₃₂
3	15 ³ / ₈	6 ¹ / ₄	3 ³ / ₁₆
4	14 ¹ / ₈	12 ¹ / ₈	3 ³ / ₈
5	18	14 ³ / ₈	3 ³ / ₈
6	20	14 ³ / ₈	3 ⁷ / ₈
7	22	14 ³ / ₈	3 ⁷ / ₈
8	24	14 ³ / ₈	3 ⁷ / ₈
9	26	14 ³ / ₈	3 ⁷ / ₈
10	28	14 ³ / ₈	3 ⁷ / ₈
11	30	14 ³ / ₈	3 ⁷ / ₈
12	32	14 ³ / ₈	3 ⁷ / ₈
13	36	14 ³ / ₈	3 ⁷ / ₈
14	38	14 ³ / ₈	3 ⁷ / ₈
14A	37	14 ³ / ₈	5 ³ / ₄
15	22 ¹ / ₂	9 ⁵ / ₈	5 ³ / ₈
15A	29	9 ¹ / ₂	4 ¹ / ₂
16	44	16 ⁷ / ₃₂	5 ¹ / ₁₆
17	54	16 ⁵ / ₃₂	5 ¹ / ₁₆
18	38	16 ⁵ / ₃₂	6 ¹ / ₄
19	44	16 ⁵ / ₃₂	6 ¹ / ₄
20	44	16 ⁵ / ₃₂	6 ¹ / ₄
21	39	16 ⁷ / ₃₂	6 ⁵ / ₁₆
22	54	16 ⁷ / ₃₂	6 ⁵ / ₁₆
23	60 ¹ / ₂	16 ⁷ / ₃₂	6 ⁵ / ₁₆
24	66 ¹ / ₂	16 ⁷ / ₃₂	6 ⁵ / ₁₆

Knockouts

Letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A1	A2	A3	A4		
Conduit Size	1/4	3/8	1/2	9/16	3/4	7/8	1	1 1/4	1 1/2	2	1/2	1/4	3/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	1	1	1	1 1/4	1 1/4	1 1/2	2	2 1/2	2 1/2	3	3 1/2
Ground Wire or Nail KO	...	...	...	...	...	...	...	...	...	...	3/4	1/2	1/2	3/4	1	2	2	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2 1/2	3	3 1/2	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1 1/2	...	2	2	...	2 1/2	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2 1/2	...	...	...	...	...	...	...	...	...





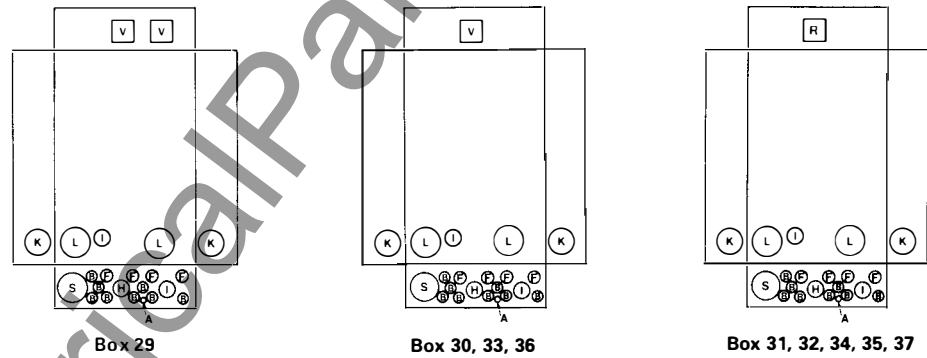
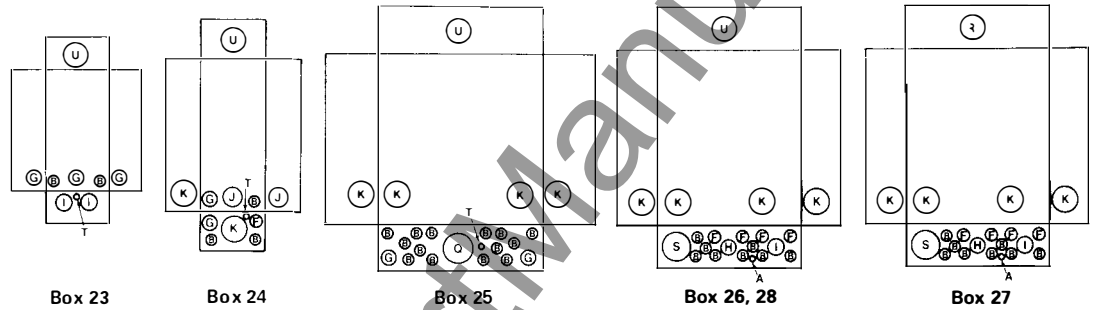
Load Center Dimensions and Knockout Data Rainproof NEMA 3R Enclosures

Commercial Load Centers Rainproof NEMA 3R

Box Style	Dimensions		
	H	W	D
23	13	6 ^{47/64}	3 ^{15/32}
24	15 ^{3/8}	6 ^{1/4}	4
25	15 ^{1/16}	12 ^{3/8}	4
26	18 ^{7/16}	14 ^{3/8}	4 ^{1/16}
27	20 ^{7/16}	14 ^{3/8}	4 ^{1/16}
28	22 ^{7/16}	14 ^{3/8}	4 ^{1/16}
29	22 ^{7/16}	14 ^{3/8}	4 ^{1/16}
30	22 ^{7/16}	14 ^{3/8}	4 ^{1/16}
31	24 ^{7/16}	14 ^{3/8}	4 ^{1/16}
32	26 ^{7/16}	14 ^{3/8}	4 ^{1/16}
33	28 ^{7/16}	14 ^{3/8}	4 ^{1/16}
34	30 ^{7/16}	14 ^{3/8}	4 ^{1/16}
35	32 ^{7/16}	14 ^{3/8}	4 ^{1/16}
36	36 ^{7/16}	14 ^{3/8}	4 ^{1/16}
37	38 ^{7/16}	14 ^{3/8}	4 ^{1/16}
38	24 ^{7/16}	14 ^{3/8}	4 ^{1/16}
39	26 ^{7/16}	14 ^{3/8}	4 ^{1/16}
40	22 ^{1/2}	9 ^{9/8}	5 ^{3/8}
40A	29	9 ^{9/8}	5 ^{3/8}
41	44 ^{1/16}	16 ^{5/16}	5 ^{1/8}
42	38	16 ^{5/16}	6 ^{3/8}
43	44	16 ^{5/16}	6 ^{3/8}
44	44	16 ^{5/16}	6 ^{3/8}
45	54 ^{1/16}	16 ^{5/16}	5 ^{1/8}
46	54	16 ^{5/16}	6 ^{3/8}
47	66 ^{3/16}	16 ^{5/16}	6 ^{3/8}

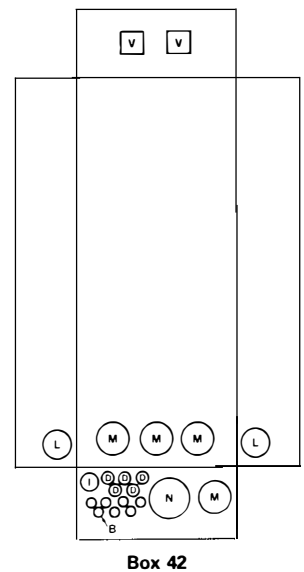
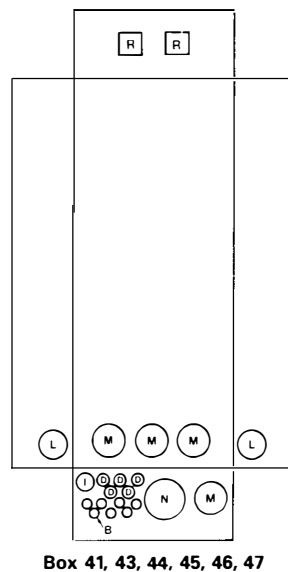
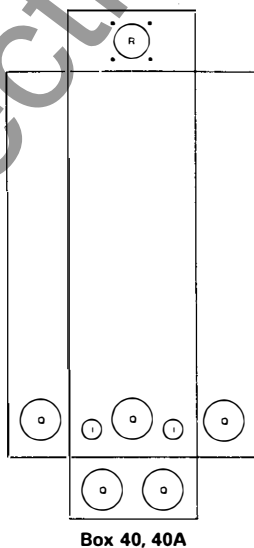
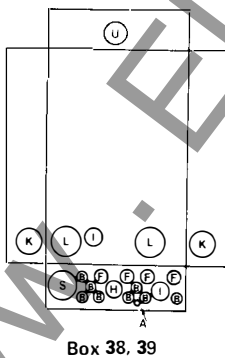
Knockouts

Letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
Conduit Size	1/4	1/2	3/4	1/2	3/4	1/4	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	1	1	1 1/4	1 1/2	1 1/4	1	Ground Wire or Nail KO	2 1/8 Dia. Hole	3 1/4 Sq. Hole
	3/4	1	1/2	3/4	1	1	1 1/4	1 1/2	2	2 1/2	3	...	...	1 1/2	1 1/2	2	2 1/2	2	...	...



Hub Provision

Hub Type	Size	Type
U	3/4, 1, 1 1/4, 1 1/2, 2	ROH
V	2, 2 1/2, 3	R1H
R	3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	RH



NOTE: "R" Hole accepts hubs — RH
 "U" Hole accepts hubs — ROH075 (3/4"), ROH100 (1"), ROH125 (1 1/4"), ROH150 (1 1/2"), ROH200 (2")
 "V" Hole accepts hubs — R1H200 (2"), R1H250 (2 1/2"), R1H300 (3")

Meter Breaker Panels

1 Phase, 3 Wire 120/240 Volts AC
Rainproof NEMA 3R



com



Product Description

Service entrance equipment that combines meter mounting and a circuit breaker distribution section in a rainproof enclosure. In addition to residential installations, Westinghouse meter-breakers are equally applicable for rural service entrance, mobile homes, and for temporary power on construction sites. They are Listed by Underwriters Laboratories Inc., File No. E52977.

Westinghouse meter sockets conform to UL Specification 414 and AEIC-EEI-NEMA standards (MSJ-7). Neutrals are factory bonded to the enclosure. These meter-breaker combinations fulfill EUSERC Utility requirements except as noted.

Plated aluminum bussing accepts the Westinghouse system of plug-on circuit breakers. Units are rated 10,000 AIC. Ground bars are available for field installation.

Product Specifications

Ratings Single phase, 3 wire, 120/240 volts AC; 100 through 200 ampere main breaker and main lug types; 10,000 amperes RMS symmetrical short circuit rating.

Features

- New interior accepts Westinghouse circuit breaker Types BR, BD and GFCB.
- Overhead or underground service.
- Meets latest NEC wire bending space requirements.
- Fifth jaw can be installed in the 3 o'clock or 9 o'clock position.
- Slotted sealing screws at hub with sealing position provided.
- Semi-flush nail flange.
- Meter mounting and underground pull sections are utility sealable.
- Meter socket ring landing will accept locking security rings.

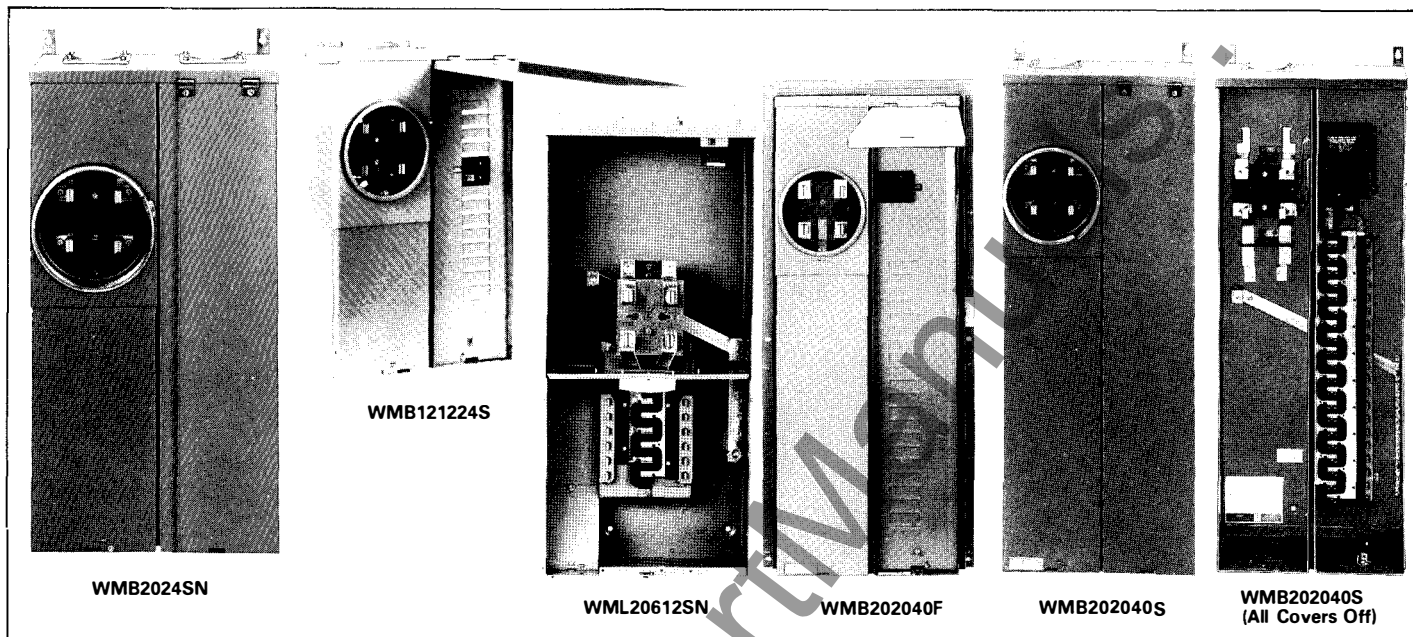
- Surface units are supplied with mounting tabs.
- Molded bus supports assure rigid construction and security of bus bars.
- Flat dead front and sealable pull section contain captive screws.
- Lockable distribution cover. Dead front has a lifting handle.
- Raised distribution panel and increased wireway space speed installation and wiring of branch circuit breakers.

100 and 125 Ampere Devices

- Center feed main breaker highlights this all-new distribution section. Even distribution of load and cooler operating ambient increase component reliability.
- Compact enclosure is light in weight for easy installation.



Meter Breaker Panels
1 Phase, 3 Wire 120/240 Volts AC
Rainproof NEMA 3R



**Single Phase, 3-Wire—120/240 Volts AC—10,000 AIC
NEMA 3R, Rainproof, with RH Hub Provisions—Overhead or Underground Service**

Main Ampere Rating	Branch Circuit Breaker Provisions				Semi-Flush Catalog Number	Surface Catalog Number	Wiring Diagram Figure Number	Knockout Figure Number		Line Wire Range
	Max. 1-Pole		Max. 2-Pole					Semi-Flush	Surface	
	1" C/B	1/2" C/B	1" C/B	1/2" C/B						
Main Breaker Factory Installed										
100	12	24	6	10	WMB101224F	WMB101224S	2	2	3	#14-1/0 Cu/Al
125	12	24	6	10	WMB121224F	WMB121224S	2	2	3	#14-1/0 Cu/Al
200	20	40	10	20	WMB202040F	WMB202040S	3	5	4	#6-250 MCM Cu/Al
200	4	8	2	4	—	WMB2048SLB	4	—	6	#6-250 MCM Cu/Al
200	32	40	15	20	—	WMB203240S ^⑦	10	—	11	#6-250 MCM Cu/Al
225	20	40	15	20	WMB222040F ^⑦	WMB222040S ^⑦	3	—	—	#6-300 MCM Cu/Al
Order Main Breaker Separately										
100	—	—	1	—	—	WMB102RN ^{②③}	1	—	1	#14-1/0 Cu/Al
125	4	—	2	2	WMB1224FN	WMB1224SN	5	2	3A	#14-1/0 Cu/Al
						WMB1224SCN ^③	6	—	9	
125	4	—	2	—	—	WMB1224SCR ^{①③}	6	—	9	#14-1/0 Cu/Al
200	(Space Provisions ^④)				WMB20FN ^④	WMB20SN ^④	7	7	8	#6-250 MCM Cu/Al
200	4	—	2	2	WMB2024FN	WMB2024SN	8	7A	8	#6-250 MCM Cu/Al
200	(Space Provisions ^④)				—	WMB20SR ^{①④}	7	—	8	#6-250 MCM Cu/Al
200	4	—	2	2	—	WMB2024SR ^①	8	—	8	#6-250 MCM Cu/Al
200	4	8	2	4	—	WMB2048SLR ^{①④}	4	—	8	#6-250 MCM Cu/Al
200	20	40	10	20	—	WMB202040R ^{①④}	3	—	4A	#6-250 MCM Cu/Al
Main Lug Only										
200	12	—	6	—	—	WML20612SN ^⑤	9	—	10	#6-250 MCM Cu/Al

① Single cover Florida design. ③ Compact design. Does not meet EUSERC requirements. ⑤ Does not meet EUSERC requirements. ⑦ Availability to be announced.
② Overhead Feed Only. ④ Provisions for 1 WFP/QFP breaker to 200A. ⑥ Underground Feed Only.

Accessories

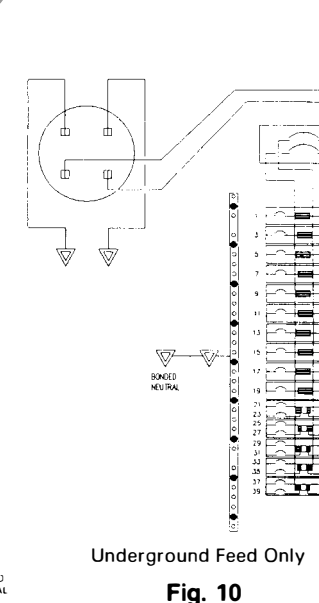
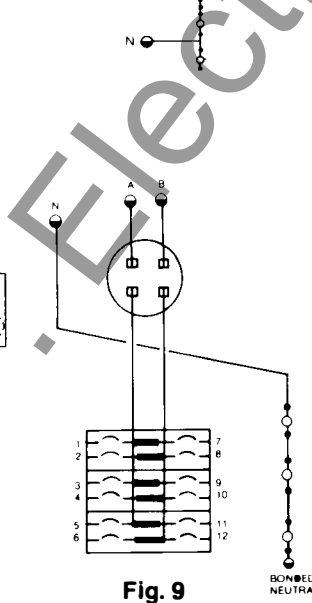
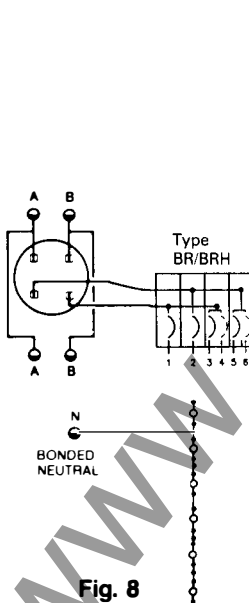
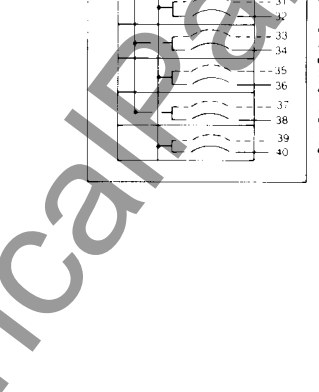
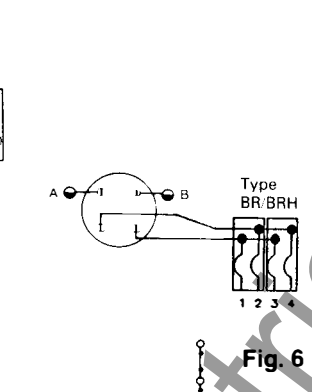
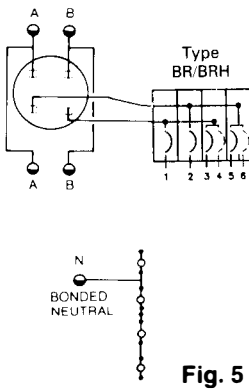
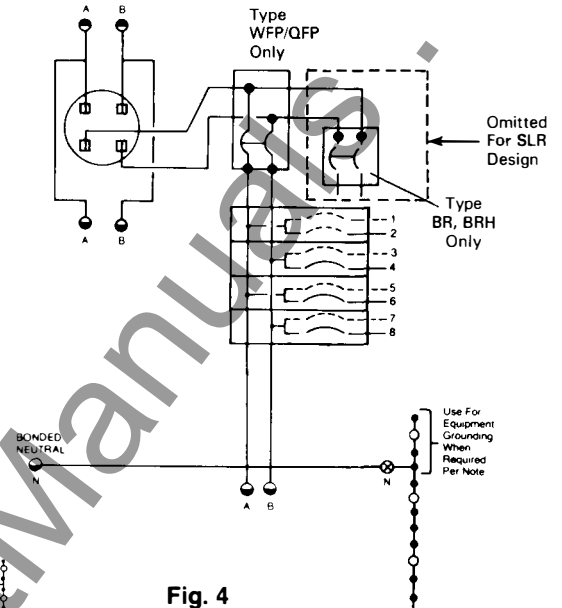
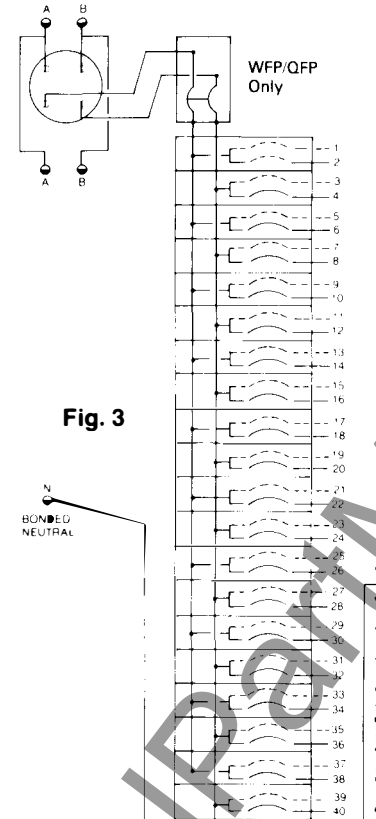
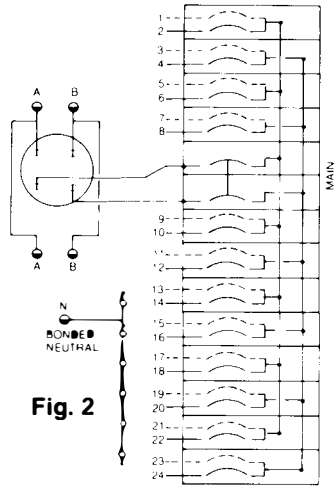
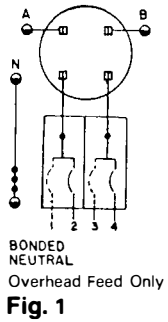
Catalog Number	Description	Carton	Standard Pkg.
WMB5J	5th Jaw Assembly For Meter Socket enclosures 3 or 9 o'clock position	1	5
WMBBLK1	Barrel Lock Kit For WMB Meter Socket enclosures - 1 - 21 in. enclosure 2 - 27 in. enclosure 3 - 36 in. enclosure	1	1
WMBBLK2			
WMBBLK3			

Order BR, BRH main tenant breakers from pages 4, 5.
Order WFP, WFPH main tenant breakers from page 4, without "T" suffix.

If separate Ground Bus is required
order WMB24GB, WMB9GB.



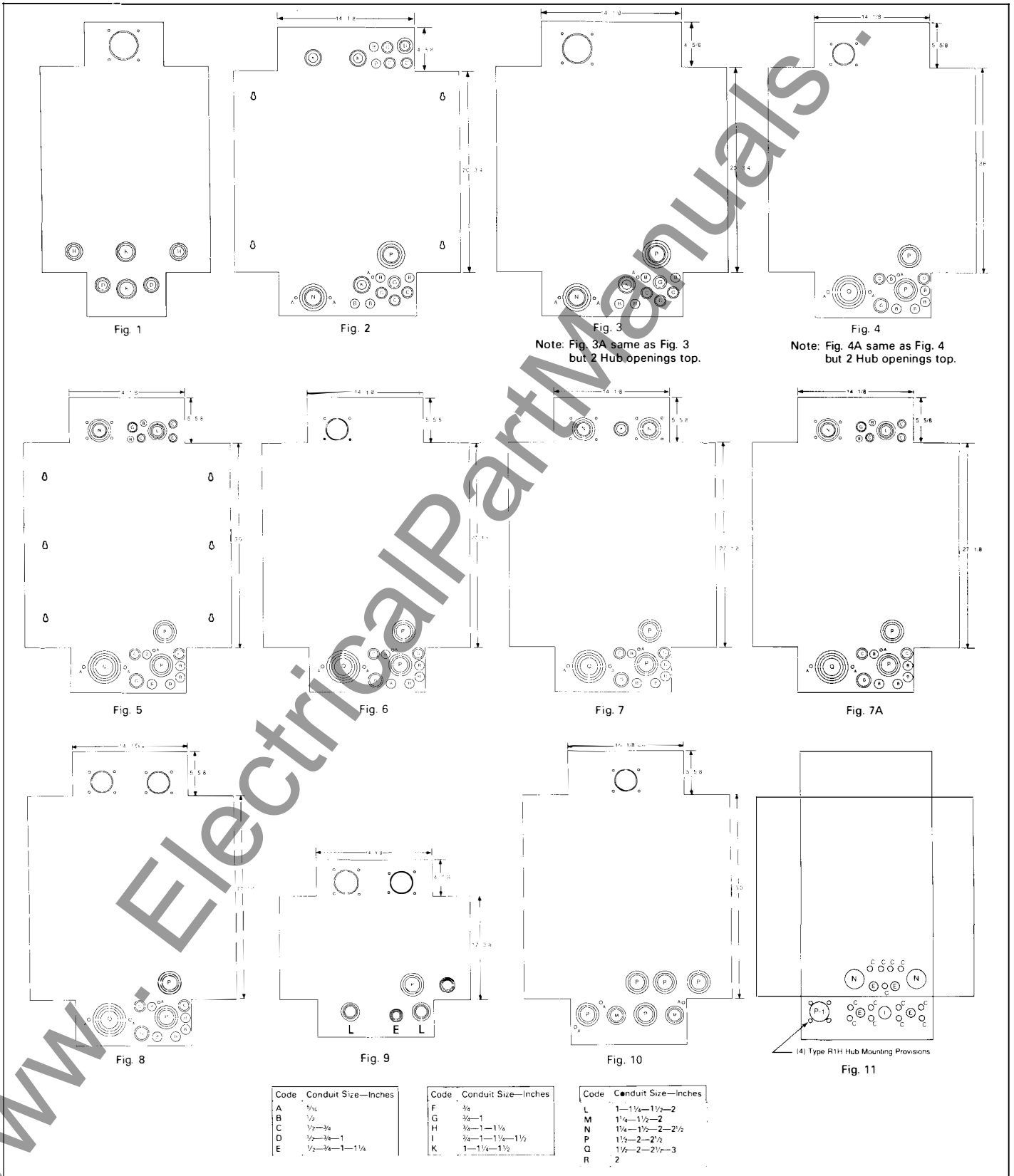
Meter Breaker Panel Wiring Diagrams, Dimensions, Weights



Catalog Number	Dimensions—Inches			Carton Wt. lbs.
	Height	Width	Depth	
WMB102RN	19 $\frac{3}{8}$	7 $\frac{1}{2}$	4 $\frac{1}{4}$	11
WMB101224F&S	20 $\frac{3}{4}$	14 $\frac{1}{8}$	4 $\frac{5}{8}$	26
WMB121224F&S	20 $\frac{3}{4}$	14 $\frac{1}{8}$	4 $\frac{5}{8}$	26
WMB1224FN&SN	20 $\frac{3}{4}$	14 $\frac{1}{8}$	4 $\frac{5}{8}$	26
WMB1224SCN, SCR	12 $\frac{3}{8}$	14 $\frac{1}{8}$	4 $\frac{1}{8}$	16
WMB202040S&F, R	36	14 $\frac{1}{8}$	5 $\frac{1}{8}$	47
WMB222040F, S	36 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	49
WMB20SN&FN	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WMB2024SN&FN	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WMB2048SLB	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WML20612SN	30 $\frac{1}{4}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	34
WMB20SR	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WMB2024SR	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WMB2048SLR	27 $\frac{1}{8}$	14 $\frac{1}{8}$	5 $\frac{1}{8}$	31
WMB203240S	30 $\frac{1}{4}$	22 $\frac{1}{4}$	6	55

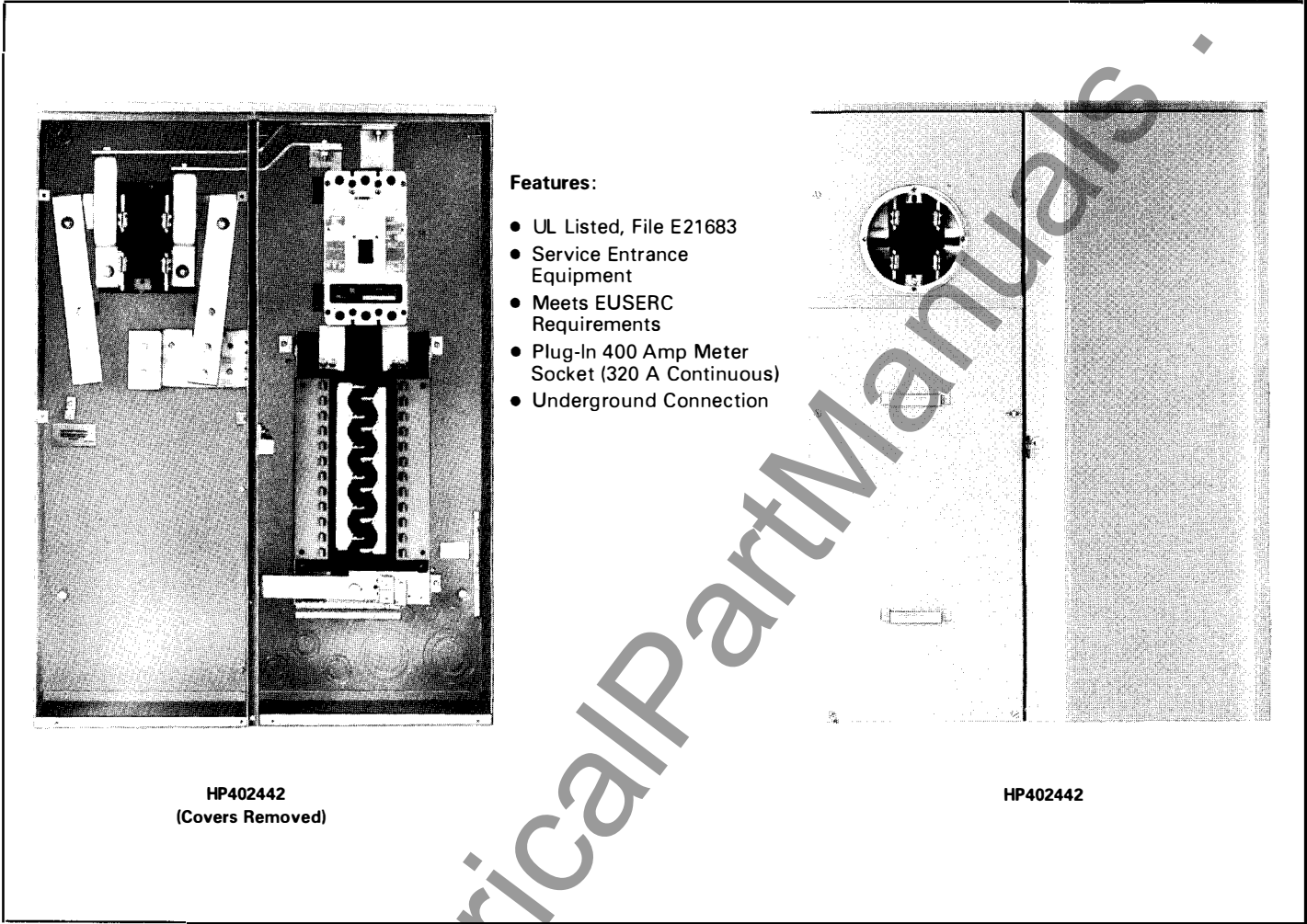


Meter Breaker Panels Dimensions and Knockout Data





Residential House Panel — 400 Amp — Type HP
1 Phase, 3 Wire 120/240 Volts AC
Rainproof NEMA 3R — Plug In Socket



Features:

- UL Listed, File E21683
- Service Entrance Equipment
- Meets EUSERC Requirements
- Plug-In 400 Amp Meter Socket (320 A Continuous)
- Underground Connection

HP402442
(Covers Removed)

HP402442

Single Phase, 3 Wire — 120/240 Volts AC — 10,000 AIC
NEMA 3R, Rainproof, 400 Amp, Ring Type Plug In Socket

Main Ampere Rating	Main Breaker Rating	Maximum Amp Secondary Main (Field Installed)	Catalog Surface Mtd.	Branch Circuit Breaker Provisions		Dimensions — Inches			Carton Weight (lbs)
				Maximum 1-Pole Spaces	Maximum ½ Size Spaces	Height	Width	Depth	
400	400	—	HP402442	24	42	40¼	30	8½	150
400	200	200 ^①	HP402440S	24	40	40¼	30	8½	125
400	200	200 ^①	HP402440SH ^②	24	40	40¼	30	8½	125
400	400	—	HP40	—	—	40¼	30	8½	120
400	200	200 ^①	HP40S	—	—	40¼	30	8½	110

^① Order Type WFP, OFP Sub Main Breakers from page 34.

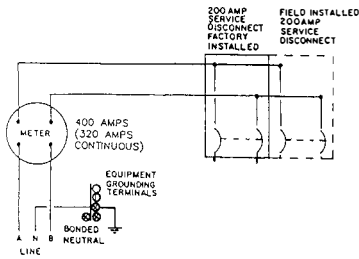
^② 22,000 AIC Rated using WFP Main.

Accessory item Catalog HPSFK available to convert Surface Mounting to Semi-Flush Mounting.

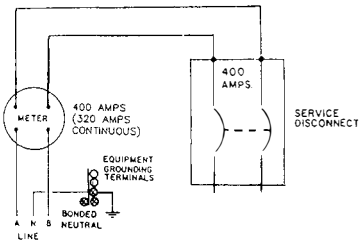
All catalogs have underground NEMA Stud Landings for either Compression or Mechanical Lugs.



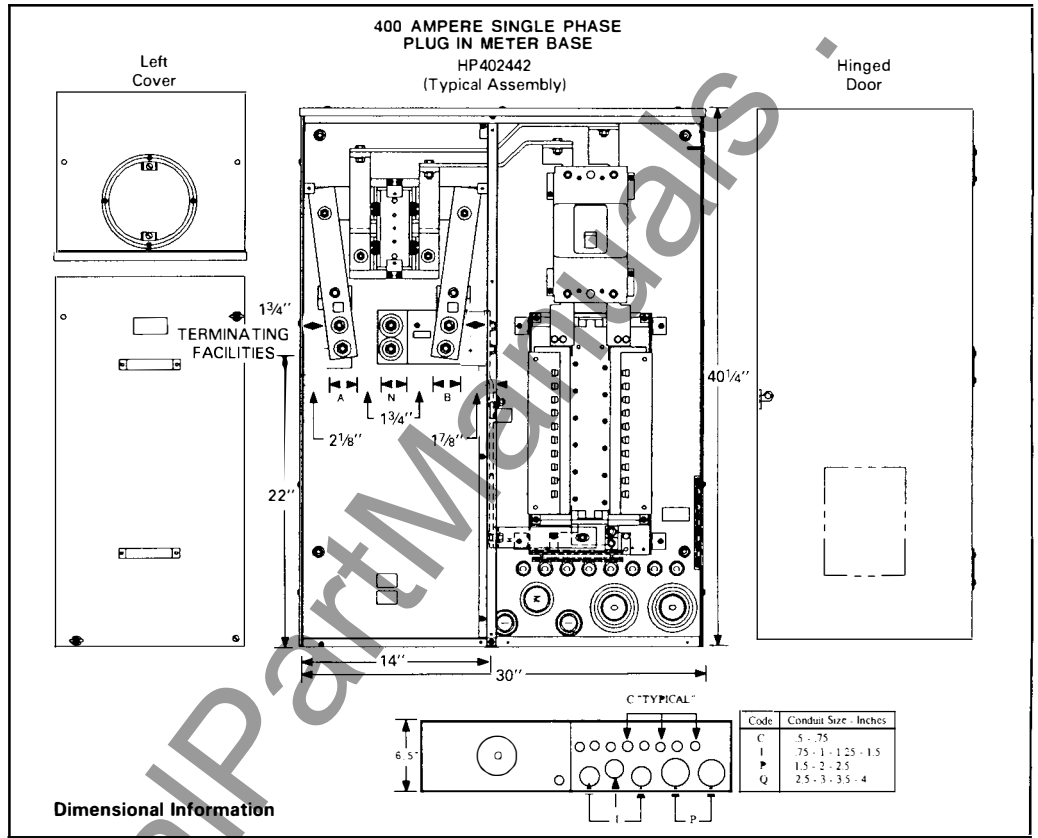
Type HP, 400 Amp House Panel Wiring Schematics/Dimensional Information



HP40S



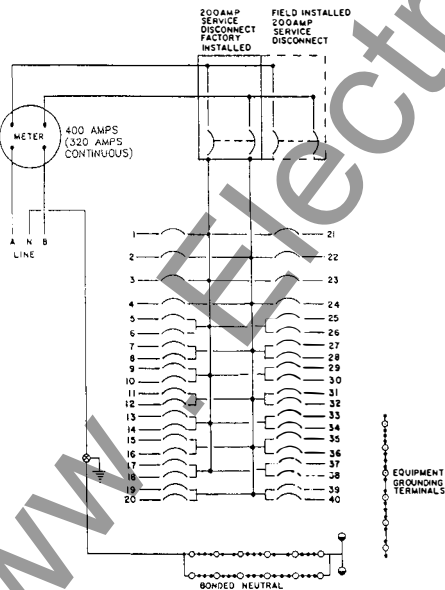
HP40



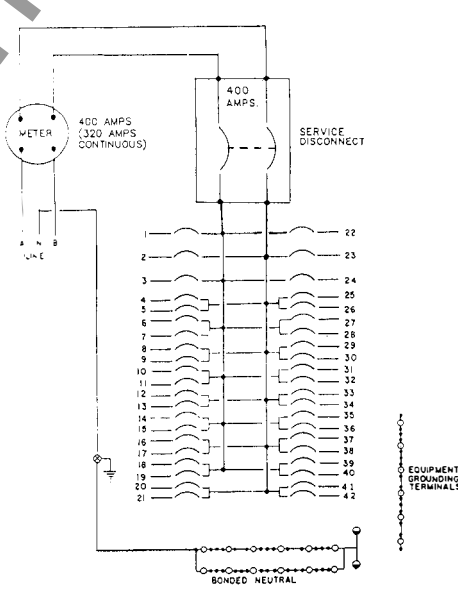
Dimensional Information

400 AMPERE SINGLE PHASE
PLUG IN METER BASE
HP402442
(Typical Assembly)

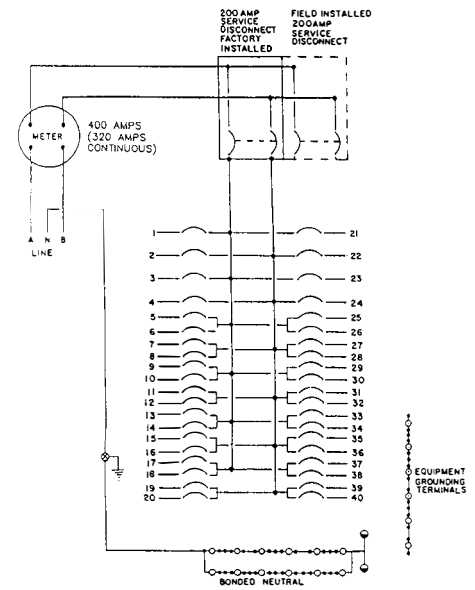
Code	Conduit Size - Inches
C	5 - .75
I	.75 - 1 - 1.25 - 1.5
P	1.5 - 2 - 2.5
Q	2.5 - 3 - 3.5 - 4



HP402440SH



HP402442

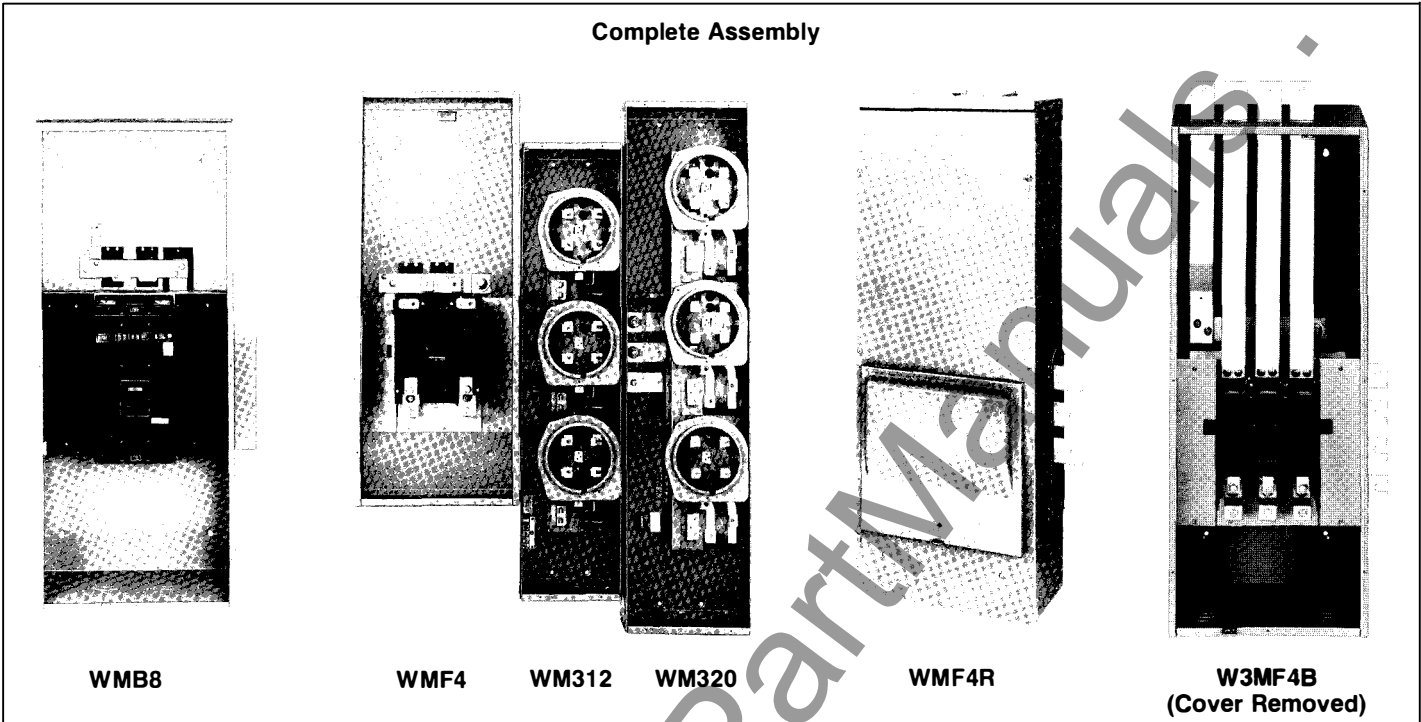


HP402440S



WM Modular Metering Main Service Cubicles

Complete Assembly



Components of a Meter Center Are

- Main Service Cubicle
- Feeder Tenant Breaker
- Meter Stacks
- Accessories

Main Rating Amps	Figure p. 35	Wall Mounting	1 Phase		3 Phase ^①		Carton Wt. Lbs.	Dimensions (Inches)			Terminal and Neutral Wire Sizes Per Phase	Circuit Breaker Frame
			Catalog Number	Catalog Number	W	H		D				
Main Breaker (Breaker Included)^{② ③}												
400A	1	Indoor	WMB4	W3MB4	69	16	39½	8	(2) #3/0-250 MCM	KD		
	2	Outdoor	WMB4R	W3MB4R	72	16	40⅝	8				
600A	1	Indoor	WMB6	W3MB6	82	16	39½	8	(2) 250-500 MCM	LA		
	2	Outdoor	WMB6R	W3MB6R	105	16	40⅝	8				
800A	3	Indoor	WMB8	W3MB8	100	20	49	8½	(2) 500-750 MCM	MA		
		Outdoor	WMB8R	W3MB8R	120	20	50	8½				
1000A	3	Indoor	WMB10	W3MB10	140	20	49	8½	(4) #3/0-500 MCM	NB		
		Outdoor	WMB10R	W3MB10R	156	20	50	8½				
1200A	3	Indoor	WMB12	W3MB12	140	20	49	8½	(4) #3/0-500 MCM	NB		
		Outdoor	WMB12R	W3MB12R	156	20	50	8½				
1600A	4	Indoor	—	—	—	—	—	—	(4) #1/0-750 MCM	PBF		
		Outdoor	WMB16R	W3MB16R	410	32⅞	69	16¼				
Fusible Switch (T-Type Fuses not included)^{② ③}												
400A	1	Indoor	WMF4	W3MF4	65	16	39½	8	(2) #3/0-500 MCM			
	2	Outdoor	WMF4R	W3MF4R	70	16	40⅝	8				
600A	1	Indoor	WMF6	W3MF6	65	16	39½	8	(2) #3/0-500 MCM			
	2	Outdoor	WMF6R	W3MF6R	70	16	40⅝	8				
800A	3	Indoor	WMF8	W3MF8	114	20	49	8½	(4) 250-350 MCM Cu or (4) 350-500 MCM Al			
		Outdoor	WMF8R	W3MF8R	120	20	50	8½				
1200A	3	Indoor	WMF12	W3MF12	114	20	49	8½	(4) 250-350 MCM Cu or (4) 350-500 MCM Al			
		Outdoor	WMF12R	W3MF12R	120	20	50	8½				
Fusible Switch – Plug In Connected to Westinghouse Bus Duct (T-Type Fuses not included)^{② ④}												
400A	1	Indoor	Use 3ø	W3MF4B	80	16	39½	8	—	—		
600A	1	Indoor	Use 3ø	W3MF6B	80	16	39½	8	—	—		

① All 3-phase mains require 3-phased bussed stacks.

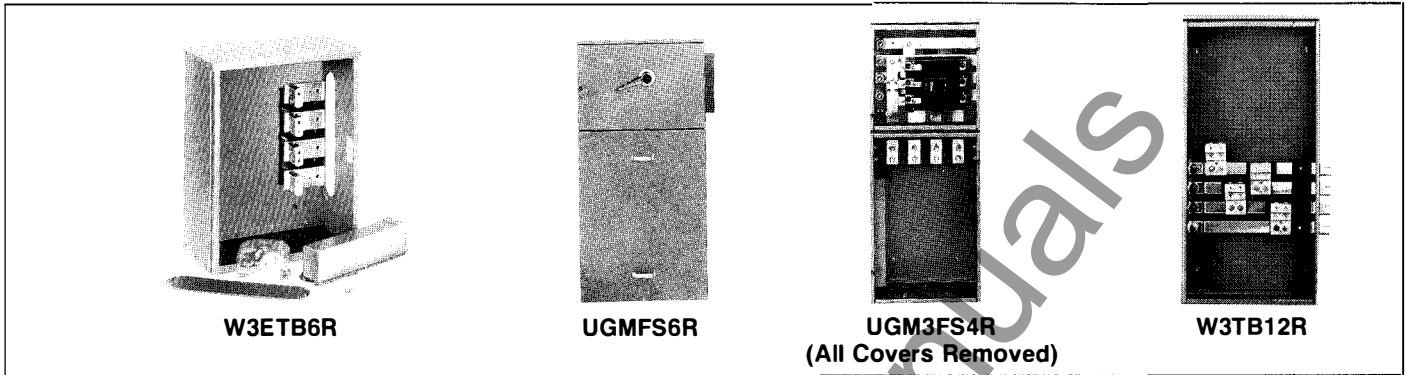
② For higher integrated ratings see series ratings on page 27.

③ Line side located on top of unit.

④ Main Service cubicles may be applied with either left or right hand Bus Tap sections as required by building layout. WM meter stacks may only be added to one side of the Fusible Switch. (side opposite the Bus Tap flange) Bus link extensions are installed and hardware is packed with each unit. The rear surface of the Main Service Cubicle aligns with the rear surface of the Bus Tap section.



WM Modular Metering Main Service Cubicles



Main Rating Amps	Figure p. 35	Wall Mounting	1 Phase		3 Phase ^②		Carton Wt. Lbs.	Dimensions (Inches)			Terminal Sizes Per Phase	Torque Ratings in./lbs.
			Catalog Number	Catalog Number	Catalog Number	Catalog Number		W	H	D		
Cable Tap Box (For Either Indoor or Outdoor Use)												
200A	5	Outdoor	---	---	W3ETB2R	45	10 ⁵ / ₁₆	18	5 ³ / ₈	(1) #1-300 MCM	275 in./lbs.	
600A	5	Outdoor	---	---	W3ETB6R	62	16	20	8 ¹ / ₂	(2) #3/0-500 MCM	275 in./lbs.	
800A	5	Outdoor	---	---	W3TB8R	85	16	43	8 ¹ / ₂	(2) #1/0-750 MCM	375 in./lbs.	
1200A	5	Outdoor	WTB12R	---	W3TB12R	68	20	43	8 ¹ / ₂	(4) #1/0-750 MCM	375 in./lbs.	
1600A	5	Outdoor	---	---	W3TB16R	75	32 ⁷ / ₈	69	16 ¹ / ₄	(4) #1/0-750 MCM	375 in./lbs.	
Combination Fusible Switch with Underground Pull Section – Switch Included (T-Type Fuses not included)^①												
400A	6	Outdoor	UGMFS4R	---	UGM3FS4R	112	18 ³ / ₈	45 ¹ / ₄	8 ¹ / ₄	(1) NEMA Crimp Type		
600A	7	Outdoor	UGMFS6R	---	UGM3FS6R	163	24	48 ¹ / ₂	11 ¹ / ₂	(1) NEMA Crimp Type		
800A	7	Outdoor	UGMFS8R	---	UGM3FS8R	165	24	48 ¹ / ₂	11 ¹ / ₂	(1) NEMA Crimp Type		
Underground Pull Box (For Either Indoor or Outdoor Use)^①												
400A	8	Outdoor	UGPB42R	---	UGPB43R	67	18	40	7	(2) #4-350 MCM	275 in./lbs.	
600A	8	Outdoor	UGPB62R	---	UGPB63R	103	24	48	11	(2) #2-600 MCM	275 in./lbs.	
800/1200 Amp	8	Outdoor	UGPB122R	---	UGPB123R	136	32 ³ / ₈	52	11 ³ / ₈	(2) #3/0-750 MCM	375 in./lbs.	

All main service cubicles include both left and right closure plates.

^① Requires additional service cubicle.

^② Spacer kit WSSKR required when stacks are mounted on right hand side.

System Short Circuit Rating

WM, W3M, W35M, W37M Series WM Modular Metering

Maximum Available Short Circuit Current RMS Symmetrical Ampere 240 Volts Ac	Metering Main Device			Tenant Main				Loadcenters 125A & 200A and branch breakers			
	Tap Box	Fusible Switch	Circuit Breaker	1ø		3ø		1ø		3ø	
				Meter Position 125A	Meter Position 200A	Meter Position 125A	Meter Position 200A	125A Tenant	200A Tenant	125A Tenant	200A Tenant
WM and W3M Type Modular Metering											
10,000	1600 Amp Max.	MFS Series	MCB Series	BR	WFP	N/A	N/A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	N/A	N/A
22,000	1600 Amp Max.	---	---	BRH	WFPH	N/A	N/A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	N/A	N/A
42,000 (1200 Amp Max.)	---	---	MCB Series 1200 Amp Max.	BRH	WFPH ^②	N/A	N/A	BR, BD, BQ, GFCB	BR, BD ^① , BQ, GFCB	N/A	N/A
65,000 (400 Amp Max.)	---	---	MCB Series 400 Amp Max.	BRH	WFPH	N/A	N/A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	N/A	N/A
100,000 (600 Amp Max.)	---	MFS Series 600 Amp Max.	---	BRH	WFPH	N/A	N/A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	N/A	N/A
100,000 (1200 Amp Max.)	---	MFS Series 1200 Amp Max.	---	BRHH	---	N/A	N/A	BR, BD, BQ, GFCB	---	N/A	N/A
W35M and W37M Type Modular Metering											
10,000	1600 Amp Max.	MFS Series	MCB Series	BR	WFP	BR	WFP	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB
22,000	1600 Amp Max.	MFS Series	MCB Series 1200 Amp Max.	BRH	WFPH	BRH	WFPH	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB
65,000 (400 Amp Max.)	---	---	MCB Series 400 Amp Max.	BRH	WFPH	BRH	WFPH ^②	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB
100,000 (600 Amp Max.)	---	MFS Series 600 Amp Max.	---	BRH	WFPH	BRH	WFPH	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB

N/A - Not Applicable.

● Applies to BD frame breakers in 15A ratings only.

② Applies to 200A WFPH tenant mains only.



WM Modular Metering Features

Each unit is equipped with a wall mounting bracket, factory installed. The bracket engages the mounting channel, fastened to the wall. One man can easily lift unit and engage brackets. Unit is supported while permanent fasteners are installed.

Mounting channel bracket is fastened to the wall to support the meter module prior to installing the permanent fasteners. One bracket is supplied with each meter module. Mounting channel brackets interlock to form one continuous channel for mounting multiple units.

Horizontal bus is rated 800 amperes, standard, with 1200 ampere bus available on **special order**. Left side has captive bolts to aid in aligning adjacent units. Five holes around bus opening are for screws that help close opening and provide surface contact with adjacent units for grounding continuity.

The cover plate over the horizontal bus compartment is sealable.

Equipment grounding terminals provided as standard in all units. Located adjacent to bottom meter socket tenant main positions in all meter socket compartments.

Replacement meter socket assemblies are available
125 Amp - Part No. 360-006-02
200 Amp - Part No. 360-006-10
Special Order Required

All unmetered conductors are barried and inaccessible.

Installation instructions, horizontal bus attaching hardware, cover screws and necessary labels, and wall mounting bracket are supplied in a hardware package with each unit.

Meter socket is located directly above tenant main position for easy identification of individual apartments. Note slot in meter socket ring landing for manual by-pass handle, and KO for manual by-pass 10/32 sealing screw (not supplied).

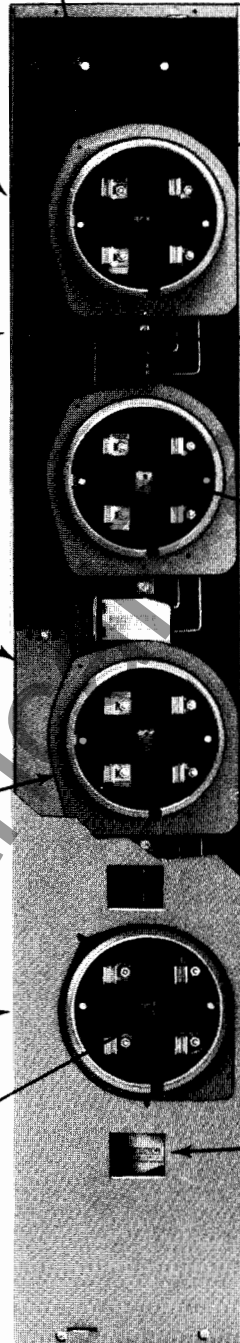
Plug-on circuit breakers facilitate installation of tenant main devices. Neutral load lug is just above tenant main position.

Potential (neutral connected) 5th jaw kit for use on 120/208 Y network services is factory installed in the 9 o'clock position on 3- ϕ units. An accessory kit is available for use with 1- ϕ units, or 6th jaw requirements on 3- ϕ units.

Right side horizontal bus bars are extended and slotted to line up with left side bus of adjacent units. Gaskets around opening are provided on NEMA 3R units. Three bus bars (A, N, B) are provided on 1- ϕ units; four (A, N, B, C) on 3- ϕ units.

NEMA 3R devices have no-rust molded circuit breaker covers. Positive cover latching device can be padlocked for additional security.

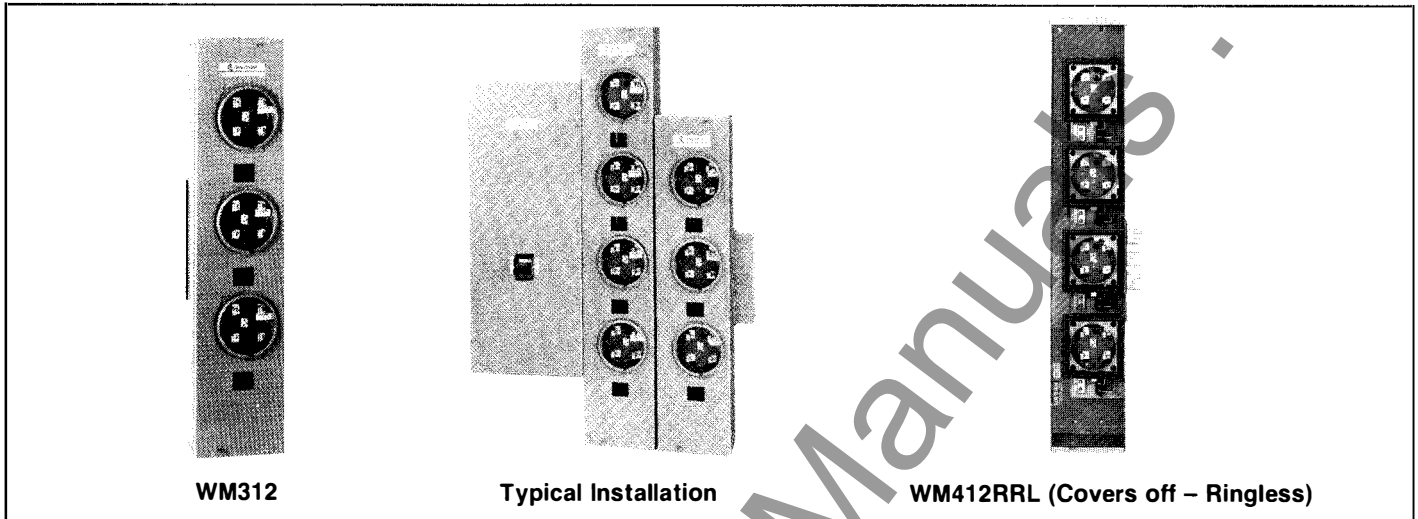
Bottom endwalls can be removed for use as templates for "stubbing up." Indoor units have identical pattern in top end wall. Sealing brackets will accept utility seals or padlocks for security, if required.





WM Modular Metering

Stacks Type WM — W3M Single Phase Tenant Loads Ring and Ringless Type



WM312

Typical Installation

WM412RRL (Covers off – Ringless)

LIST PRICES AND CATALOG NUMBERS										
Number of Meter Positions	Fig. p. 36	Main Bus Ampacity	Wall Mounting	1 Phase Horizontal Bus		3 Phase Horizontal Bus ^{② ③}	Carton Wt. Lbs.	Dimensions (Inches)		
				Catalog Number	Catalog Number			W	H	D
125 Ampere Meter Stacks^① – 1 Phase Tenant Load – Ring Type										
3	8	800A	Indoor	WM312	W3M312	65	10 ¹ / ₈	44	7	
		800A	Outdoor	WM312R	W3M312R	66	10 ¹ / ₈	44	7	
		1200A ^④	Indoor	WM31212	W3M31212	69	10 ¹ / ₈	44	7	
4	9	800A	Indoor	WM412	W3M412AB W3M412BC W3M412AC	72	10 ¹ / ₈	56	7	
		800A	Outdoor	WM412R	W3M412RAB W3M412RBC W3M412RAC	72	10 ¹ / ₈	56	7	
		1200A ^④	Indoor	WM41212	W3M412AB12 W3M412BC12 W3M412AC12	76	10 ¹ / ₈	56	7	
5	10	800A	Indoor	WM512	W3M512AB W3M512BC W3M512AC	85	10 ¹ / ₈	67	7	
		800A	Outdoor	WM512R	W3M512RAB W3M512RBC W3M512RAC	89	10 ¹ / ₈	67	7	
125 Ampere Meter Stacks^① – 1 Phase Tenant Load – Ringless Type										
3	8	800A	Outdoor	WM312RRL	W3M312RRL	69	10 ¹ / ₈	44	7	
4	9	800A	Outdoor	WM412RRL	W3412RABRL W3412RBCRL W3412RACRL	72	10 ¹ / ₈	56	7	
200 Ampere Meter Stacks^{① ⑤} – 1 Phase Tenant Load – Ring Type										
3	11	800A	Indoor	WM320	W3M320	72	12 ³ / ₈	51	7	
		800A	Outdoor	WM320R	W3M320R	74	12 ³ / ₈	51	7	
		1200A ^④	Indoor	WM32012	W3M32012	79	12 ³ / ₈	51	7	
4	12	800A	Indoor	WM420	W3M420AB W3M420BC W3M420AC	86	12 ³ / ₈	67	7	
		800A	Outdoor	WM420R	W3M420RAB W3M420RBC W3M420RAC	89	12 ³ / ₈	67	7	
		1200A ^④	Indoor	WM42012	W3M420AB12 W3M420BC12 W3M420AC12	94	12 ³ / ₈	67	7	
200 Ampere Meter Stacks^{① ⑤} – 1 Phase Tenant Load – Ringless Type										
3	11	800A	Outdoor	WM320RRL	W3M320RRL	74	12 ³ / ₈	51	7	
4	12	800A	Outdoor	WM420RRL	—	89	12 ³ / ₈	67	7	

① Order Tenant Breakers separately. See page 34.

● 3 Phase 4 wire stacks are factory phase balanced and include 5th Jaw mounted in 9:00 position.

② See phase balancing chart (page 36 to insure proper phasing of total line-up. (Required for 3-phase mains.)

④ Copper horizontal bus.

⑤ Refer to special breakers (page 34) when tenant mains are rated 100 amps or less.



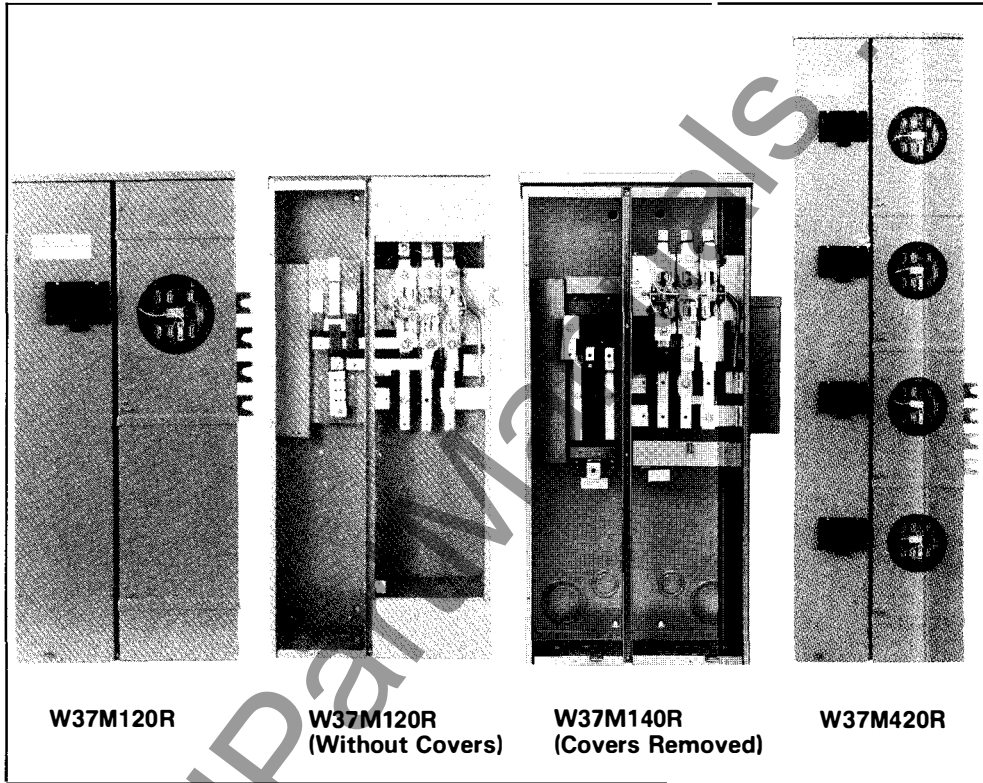
WM Modular Metering Commercial Meter Stacks with Lever By-Pass Ringless Type W35, W37

Ratings

- 120/208 Volts AC, 3 phase 4 wire; or 240 Volts AC, 3 phase, 3 wire Delta. Suitable for use on 120/240 Volts AC, 1 phase, 3 wire systems.
- 1200 ampere copper horizontal bus is standard.
- Sockets have 200 ampere continuous ratings and use Type WFP tenant mains.
- 10,000 AIC interrupting rating is standard.

Features

- 3 phase, 4 wire meter stacks with 7 jaw Duncan HQ7 and 1 phase, 3 wire with 5 jaw Duncan HQ5 meter sockets.
- 1, 2, 3 or 4 position stacks with 3-pole tenant mains, and 2 and 3 position stacks with 2-pole tenant mains.
- All devices suitable for indoor or outdoor use.
- All units connect to existing metering main devices (W3MB and W3MF series) and meter stacks with 3 phase horizontal bus series.
- All units UL Listed.
- Meter socket covers are ringless type. Each socket has a separate cover plate which is removable without disturbing other cover plates. Each cover plate has barrel lock and padlock provisions and is capable of being sealed with wire seals.
- A single cover plate covers all tenant mains and is removable without disturbing meter cover plates. Each tenant main circuit breaker handle is padlockable
- All units can be bussed together with type W3M or WM stacks.



Commercial Meter Stacks^① – 1 Phase Tenant Load – Ringless Type Duncan Type HQ5 200 Amp Sockets with Lever Bypass – Outdoor

Number of Meter Positions	Wiring Figure Number	Main Bus Ampacity	3 Phase Horizontal Bus ^③	Carton Wt. Lbs.	Dimensions ^③ (Inches)		
			Catalog Number		W	H	D
2	1	1200A	W35M220RAB	124	19	40	8 ⁵ / ₁₆
3	2	1200A	W35M320R	139	19	50 ¹ / ₂	8 ⁵ / ₁₆

Commercial Meter Stacks^① – 3 Phase Tenant Load – Ringless Type Duncan Type HQ7 200 Amp Sockets with Lever Bypass – Outdoor

Number of Meter Positions	Wiring Figure Number	Main Bus Ampacity	3 Phase Horizontal Bus ^③	Carton Wt. Lbs.	Dimensions ^③ (Inches)		
			Catalog Number		W	H	D
1	3	1200A	W37M120R	109	19	40	8 ⁵ / ₁₆
2	4	1200A	W37M220R	145	19	40	8 ⁵ / ₁₆
3	6	1200A	W37M320R	198	19	55 ¹ / ₂	8 ⁵ / ₁₆
4	5	1200A	W37M420R	215	19	71	8 ⁵ / ₁₆

Commercial Meter Stacks^① – 3 Phase Tenant Load – Ringless Type Duncan 400 Amp Sockets with Lever Bypass – Outdoor^②

Number of Meter Positions	Wiring Figure Number	Main Bus Ampacity	3 Phase Horizontal Bus ^③	Carton Wt. Lbs.	Dimensions ^③ (Inches)		
			Catalog Number		W	H	D
1	3	1200A	W37M140R	119	19	40	8 ⁵ / ₁₆

- Order main tenant breakers separately, page 34.
- ② 400 amp socket rating. Order DK breaker separately.
- ③ 25³/₁₆" from bottom of enclosure to C/L of buss.
- ④ Use main service cubicles from pages 26, 27.



Commercial Meter Stacks With Lever By Pass Wiring Diagrams/Dimensions

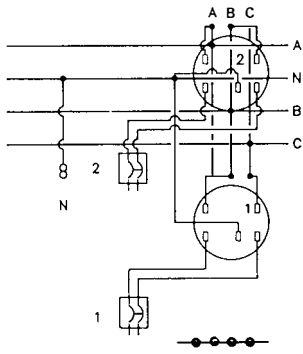


Figure 1 ①

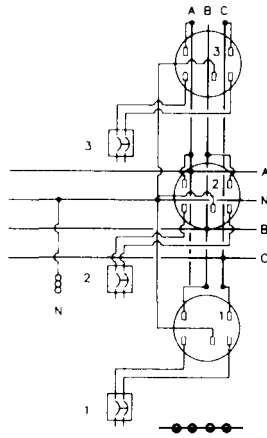


Figure 2 ①

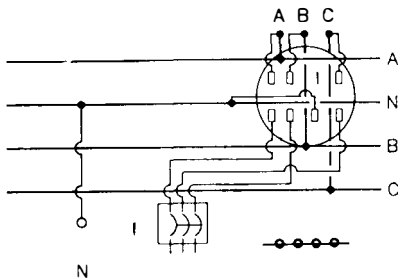


Figure 3 ①

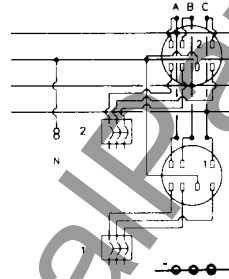


Figure 4 ●

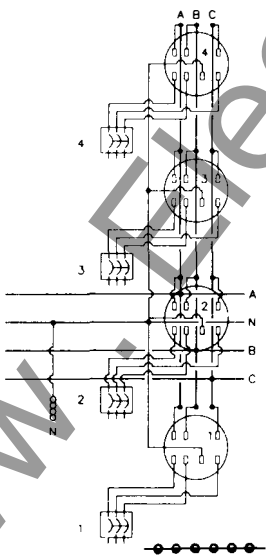


Figure 5 ①

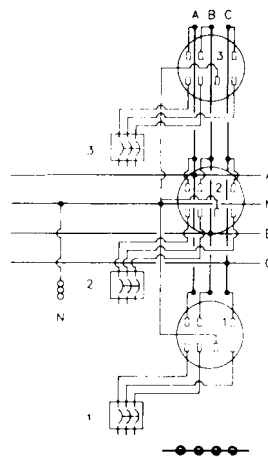
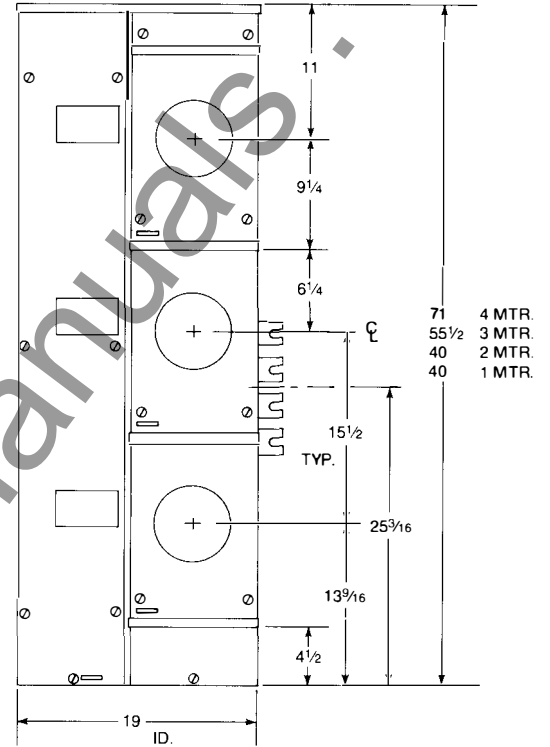


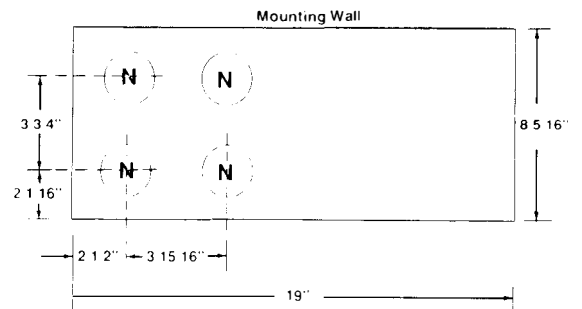
Figure 6 ①



Typical Dimensions (Inches)

KNOCKOUT CODE

Code	Conduit Size— Inches
N	1 1/4—1 1/2—2—2 1/2



Typical Floor Plan

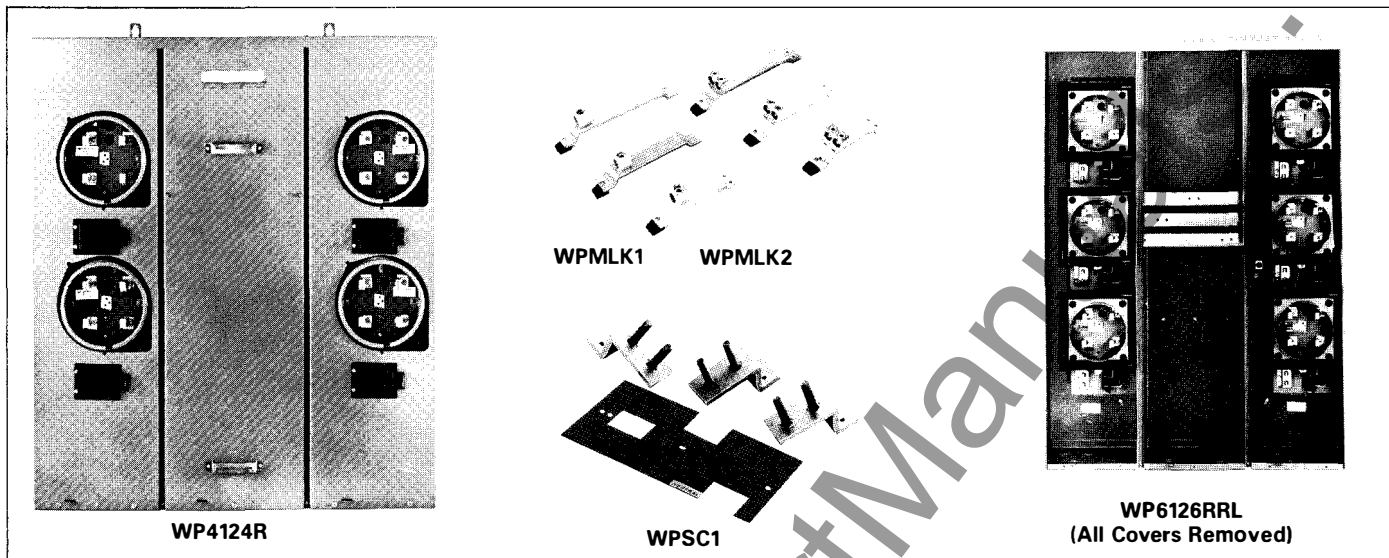
Note: Not for construction purposes.

① Equipment Grounding Terminals (Typ.)



Meter Packs

Meter-Packs, 1 Phase, 3 Wire, 120/240 Volts Ac
Rainproof, NEMA 3R — 22,000 AIC



Components of a Meter Pack:

- Meter Pack (2-6 Position)
- Incoming Lug Kit Assembly
- Main Tenant Breakers^①
- Required Accessories

CATALOG NUMBERS

WP Units 1Ø3W-120/240 Volts Ac, NEMA 3R, Rainproof, Ring Type

125 Ampere Meter Packs – Ring Type				200 Ampere Meter Packs – Ring Type				
No. of Meter Stations	Main Ampacity	Outdoor Surface Mtg.		Outdoor Semi-Flush Mtg.		Outdoor Surface Mtg.		Dimensions Figure No.
		Catalog No.	Wt.	Catalog No.	Wt.	Catalog No.	Wt.	
2	250	WP2122R	70	WP2122	72			9
2	400					WP2204R	83	9
3	400	WP3124R	90	WP3124	92	WP3204R	101	10
4	400	WP4124R	103	WP4124	105	WP4206R	115	11
5	600	WP5126R	125	WP5126	127	WP5206R	144	12
6	600	WP6126R	133	WP6126	135	WP6206R	153	12

Accessories

Catalog No.	Description
WFPIC	125A Max Breaker Position Filler
WP3Q	150-200A Breaker Position Filler
WMSJ	Fifth Jaw (Potential) 3, 6 or 9 o'clock Position
WMSJOP	Fifth Jaw for "Off Peak" Metering
WCP	Plastic Cover Plate
WMBP	Manual By-Pass
STSR1	Stainless Steel Snap Type Sealing Ring
WTSR	Aluminum Screw Type Sealing Ring
WSR	Aluminum Snap Type Sealing Ring

WP Units 1Ø3W-120/240 Volts Ac, NEMA 3R, Ringless Type^②

125 Ampere Meter Packs – Ringless Type				200 Ampere Meter Packs – Ringless Type			
No. of Meter Stations	Main Ampacity	Outdoor Surface Mtg.		Outdoor Surface Mtg.		Dimensions Fig. No.	
		Catalog Number	Wt.	Catalog Number	Wt.		
2	250	WP2122RRL	75			9	
2	400			WP2204RRL	87	9	
3	400	WP3124RRL	95			10	
4	400	WP4124RRL	108	WP4206RRL	122	11	
6	600	WP6126RRL	145	WP6206RRL	165	12	

Incoming Lug Kits

Catalog No.	Description	Wt.
Mechanical Lugs (Top or Bottom Entry)		
WPMLK1	(2) 1/0-250 MCM or (1) #1-600 MCM per Ø & N (Cu/Al)	3
WPMLK2	(2) #1-500 MCM per Ø & N (Cu/Al)	3
WPMLK3	(2) 3/0-250 MCM or (1) 250-750 MCM per Ø & N (Cu/Al)	3
Compression Stud Kit		
WPSC1	(1) Stud Set per Ø & N	4
WPSC2	(2) Stud Sets per Ø & N NEMA 2-hole spacing	7

Westinghouse Pack Catalog Identification Data

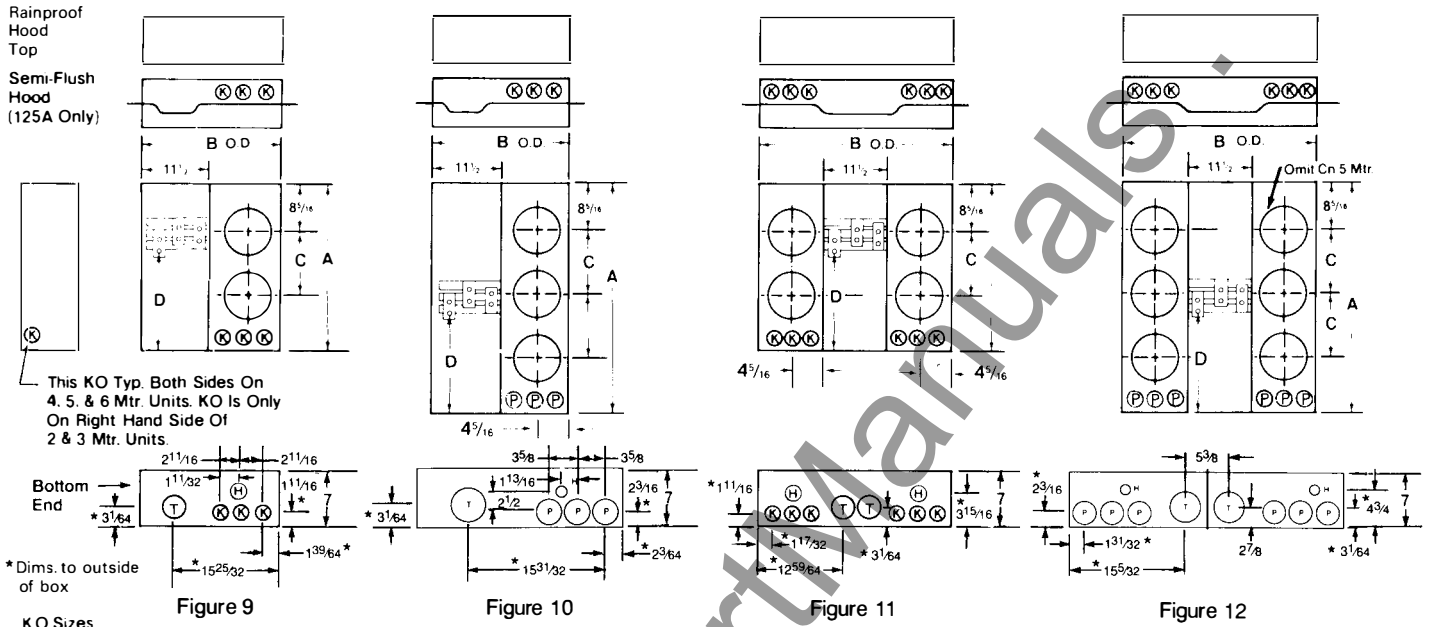
1ST	2ND	3RD	4TH	5TH	6TH
Type of Equipment	Number of Meter Positions	Amp Rating of Each Position	Amp Rating of Cross Buss	Mounting Type (N3R)	Sealing Ring Type
WP - (W) Pack Unit	2 - Positions 3 - Positions 4 - Positions 5 - Positions 6 - Positions	12-125A 20-200A	2 - 250A 4 - 400A 6 - 600A	-Outdoor Semiflush Mounting R-Outdoor Surface Mounting	-Rings RL-Ring Less

Main Tenant Breakers^①

Ampere Rating	Main Tenant Breakers – Plug-On – 2 Pole		Special Application ^③	
	10,000 AIC Catalog Number	22,000 AIC Catalog Number	10,000 AIC Catalog Number	22,000 AIC Catalog Number
60	BR260	BRH260	QCW260	HQCW2100
70	BR270	BRH270	QCW270	
80	BR280	—	—	
90	BR290	BRH290	QCW290	
100	BR2100	BRH2100	QCW2100	
110	BR2110	BRH2110	—	
125	BR2125	BRH2125	—	
125	WFP2125	WFPH2125	Typical Wire Ranges	
150	WFP2150	WFPH2150	BR – #4-1/0	
175	WFP2175	—	WFP – #1-300 MCM	
200	WFP2200	WFPH2200		

① 125 A meter packs require BR type breakers.
200 A meter packs require WFP or QCW type breakers.
② Ringless designs provide an added degree of security against power theft.
③ Required for use on 200 amp rated meter positions, when tenant mains are rated 100 Amps and below.

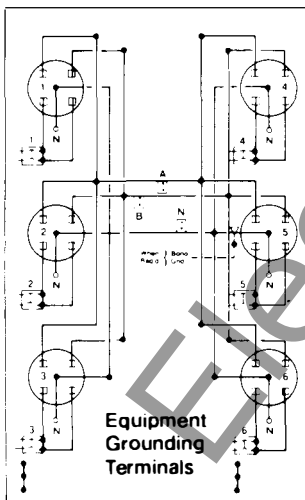
Meter Packs Dimensions and Installation Tips



DIMENSIONS—WP-METER PACKS

Figure No.	125A Positions				200A Positions			
	A	B	C	D	A	B	C	D
9	36	21 ⁵ / ₈	11	23	36	23 ⁷ / ₈	13	24
10	45	21 ⁵ / ₈	11	22	48	23 ⁷ / ₈	13	23
11	36	31 ¹ / ₂	11	23	36	36	13	24
12	45	31 ¹ / ₂	11	22	48	36	13	23

WP Typical Wiring Diagram



Meter Pack Short Circuit Current Rating

Tenant Main Circuit Breaker Type: 125 Amp Units	Tenant Main Circuit Breaker Type: 200 Amp Units	Max Short Circuit Current Rating RMS - Sym. 240V	1 & 2 Pole Branch Breakers	
BR BRH BRHH	WFP/QFP WFPH/QFPH —		125A Max.	200A Max.
		10,000A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB
		22,000A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB
		42,000A	BR, BD, BQ, GFCB	BR, BD, BQ, GFCB

Installation Tips

WP Units

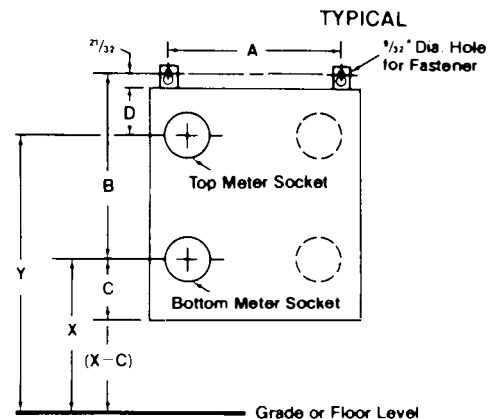
All surface mounted meter packs have two mounting tabs on the top of the unit. Using figures 1 and 2 it is possible to pre-determine the mounting positions for the fasteners for the mounting tabs.

X = utility minimum acceptable dimension from grade or floor level to center line of bottom meter socket position (in inches)

Y = utility maximum acceptable dimension from grade or floor level to center line of top meter socket position (in inches)

Note: For Layout Information order SA-11794 Metering Layout Template.

Figure 1 WP UNITS



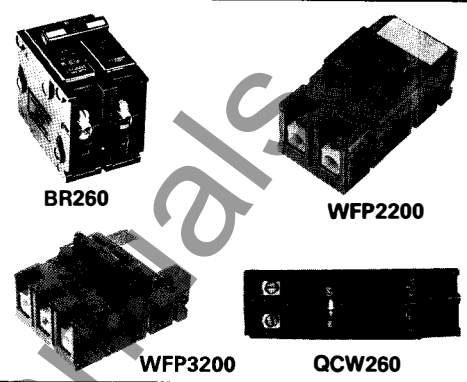
Meter Positions		Dimensions (inches)			
Amperes	Qty.	A	B	C	D
125	2	16	20 ³ / ₃₂	15 ¹¹ / ₁₆	9 ⁹ / ₁₆
	3	16	30 ³ / ₃₂	14 ¹¹ / ₁₆	8 ⁵ / ₁₆
	4	15 ³ / ₄	20 ³ / ₃₂	15 ¹¹ / ₁₆	9 ⁵ / ₁₆
	5.6	15 ³ / ₄	30 ³ / ₃₂	14 ¹¹ / ₁₆	8 ⁵ / ₁₆
200	2	16	22 ³ / ₃₂	13 ¹¹ / ₁₆	9 ⁵ / ₁₆
	3	16	34 ³ / ₃₂	13 ¹¹ / ₁₆	8 ⁵ / ₁₆
	4	31 ³ / ₄	22 ³ / ₃₂	13 ¹¹ / ₁₆	9 ⁵ / ₁₆
	5.6	31 ³ / ₄	34 ³ / ₃₂	13 ¹¹ / ₁₆	8 ⁵ / ₁₆

Figure 2

WM Modular Metering Main Tenant Breakers Accessories

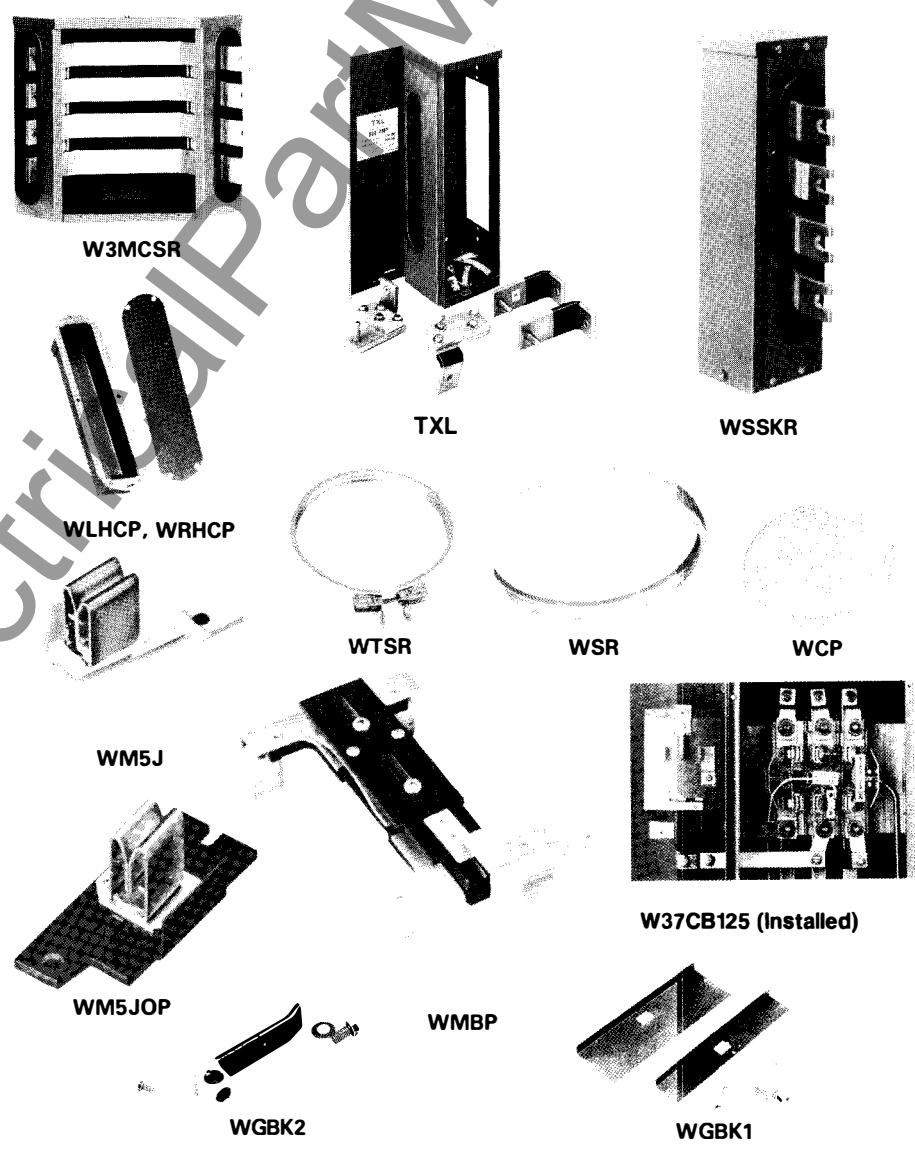


LIST PRICES AND CATALOG NUMBERS						
Main Tenant Breakers - Plug-On - 2 Pole Units [Ⓛ] (WM, W3M, W35M)					3-Pole Units (W37M)	
Ampere Rating	10,000 AIC	22,000 AIC	Special Application [Ⓜ]		10,000 AIC	22,000 AIC
	Catalog Number	Catalog Number	10,000 AIC Catalog Number	22,000 AIC Catalog Number	Catalog Number	Catalog Number
60	BR260	BRH260	QCW260	HQCW2100	BR360	BRH360
70	BR270	BRH270	QCW270		BR370	BRH370
80	BR280	—	—		—	—
90	BR290	BRH290	QCW290		BR390	BRH390
100	BR2100	BRH2100	QCW2100		BR3100	BRH3100
110	BR2110	BRH2110	—	—	—	—
125	BR2125	BRH2125	—	—	—	—
125	WFP2125	WFPH2125	Typical Wire Ranges		WFP3125	WFPH3125
150	WFP2150	WFPH2150	BR - #4-1/0		WFP3150	WFPH3150
175	WFP2175	—	WFP - #1-300 MCM		WFP3175	—
200	WFP2200	WFPH2200	—		WFP3200	WFPH3200



[Ⓛ] 125A meter positions require BR type breakers. 250A meter positions require WFP or QCW type.
[Ⓜ] Required for use on 200 amp rated meter position, when tenant mains are rated below 100 amps.

ACCESSORIES	
Description	Catalog Number
Corner Section 800A, 1Ø, 3W, or 3Ø, 4W; Indoor or Outdoor; For Use on Facing Surfaces of Adjacent Walls; 16" High, 13 7/16" from Modules to Corner of Room	W3MCSR
Transition Section[Ⓛ] 1200 Amp, 3Ø, 4 Wire - Capable of Matching Horizontal Bus Bars of Previous Design (QS, QSC) with those of new WM Design. (Retrofit) (6" Wide) Right Hand (3-Phase) Left Hand (3-Phase) Single Phase: Right Hand Left Hand	TXR TXL TXR1 TXL1
Spacer Used to Increase Clearance Between Meter Modules and Main Device (6" Wide)	WSSKR
Closure Plates: (Utility Sealable) Left End Right End	WLHCP WRHCP
Sealing Rings: Screw Type Snap Type Stainless Steel	WTSR WSR STSR1
Filler Plate, 125A Max. Breaker Position Filler Plate, 150-200A Breaker Position 5th Jaw (Potential), 3, 6 or 9 O'clock Position 5th Jaw (Isolated), For Off-Peak Metering Plastic Cover Plate Ringless Style Metal Cover Plate Manual By-Pass Kit Horn Type Manual By-Pass	WFP1C, FP1 WFP3Q WM5J WM5JOP WCP WCPRL WMBP WMBPHT
Ground and Bonding Kit for W3TB8R Ground and Bonding Kit for W3TB6R	WGBK1 WGBK2
Commercial Metering Only	
2 Pole Tenant Main Conversion Kit 3 Pole Tenant Main Conversion Kit WFP to BR 100A Max. Meter Opening Blank-Off Kit	W35CB125 W37CB125 W37CP
Totalizing Jumper Kit (Field Installed) Meter Barrier Kit (Field Installed)	W37JK W37BK



[Ⓛ] QS on left - WM on right, use TXR, TXR1.
 Q on right - WM on left, use TXL, TXL1.
 Full range of replacement parts are available through Catalog 30-390.



WM Modular Metering Main Service Cubicles

Dimensions and Knockout Information

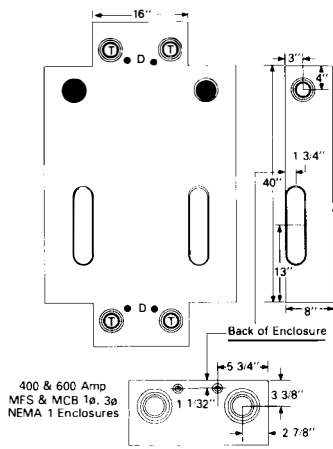


Figure 1

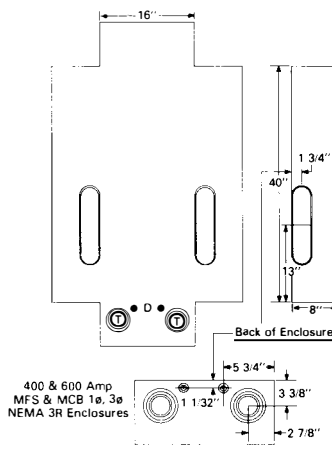


Figure 2

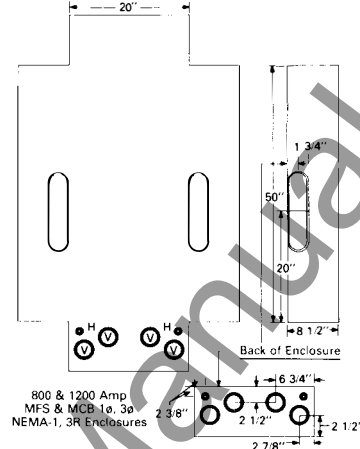


Figure 3

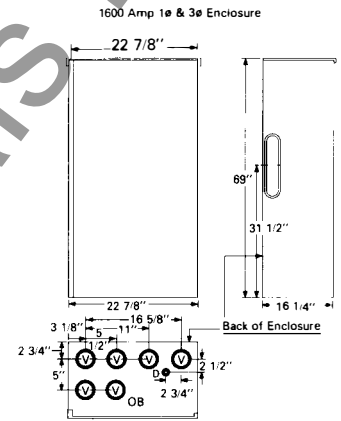
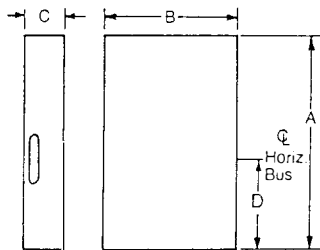


Figure 4

Cable Tap Boxes Figure 5



Dimensions, Cable Tap Box

Box Catalog Number	Dimensions-Inches				KO'S in Bottom
	A	B	C	D	
W3ETB2R	18 1/16	10 5/16	5 3/8	9 1/32	(2) 2-2 1/2-3
W3ETB6R	20	16	8 1/2	10 1/32	(4) 2 1/2-3-3 1/2
W3TB8R	43	16	8 1/2	20 1/32	(2) 2 1/2-3-3 1/2
WTB12R	43 1/8	20	8 1/2	15 1/8	(2) 3/4-1-1 1/4
W3TB12R	43 1/8	20	8 1/2	15 1/8	(4) 2 1/2-3-3 1/2
W3TB16R	69	22 7/8	16 1/4	31 1/2	(4) 2 1/2-3-3 1/2

Knockout Codes, Main Devices

Code	Conduit Size - Inches
D	1/2-3/4-1
H	3/4-1-1 1/4
R	2-2 1/2-3
T	2-2 1/2-3-3 1/2
U	2 1/2-3-3 1/2
V	1 1/2-3-3 1/2-4

Combination Switch With Underground Pull Section Figure 6 400 Amp

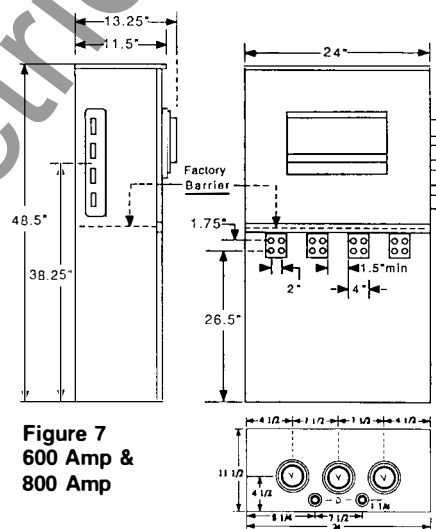
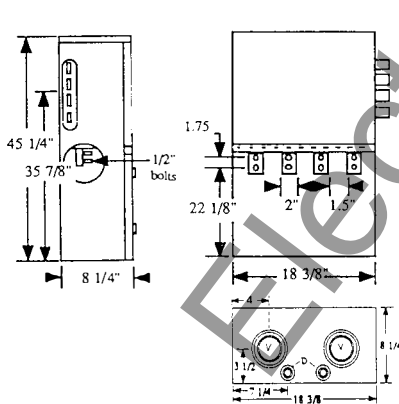
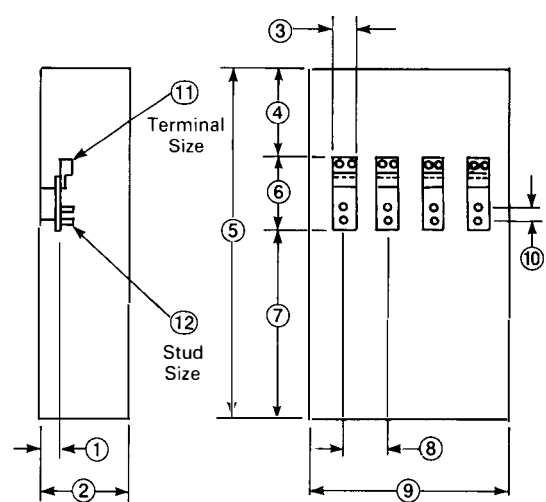


Figure 7
600 Amp &
800 Amp

Underground Pull Boxes Figure 8



Dimensions (In Inches)

Catalog Number	1	2	3	4	5	6	7	8	9	KO's in Bottom
UGPB122R	2	11	6	16 13/32	52	8 1/16	25 3/32	7 1/2	24 3/16	(4) 2 1/2-3-3 1/2-4
UGPB123R	2	11	6	16 13/32	52	8 1/16	25 3/32	7 1/2	32	(4) 2 1/2-3-3 1/2-4
UGPB42R	2 5/16	7 7/8	2	10 1/8	40	8 3/8	21 1/2	3 1/2	15	None
UGPB43R	2 5/16	8 7/8	2	14 1/8	44	8 3/8	21 1/2	3 1/2	18	None
UGPB62R	2 5/16	10 15/16	4	14 7/8	48	7 9/16	25 9/16	5 1/2	18 7/16	(2) 2 1/2-3-3 1/2-4
UGPB63R	2 5/16	10 15/16	4	14 7/8	48	7 9/16	25 9/16	5 1/2	24 7/16	(2) 2 1/2-3-3 1/2-4

Note: Stud Size ① 1/2-13 x 2 3/16 with 1 3/4" spacing Q to Q
② 1/2-13 x 2 1/4

Note: For Layout Information
order SA-11794 Metering
Layout Template.

Note: Not for construction purposes.



WM Modular Metering

Dimensions, Knockouts, Module Phasing WM Meter Modules — 125 and 200 Ampere Positions

125 Ampere Positions

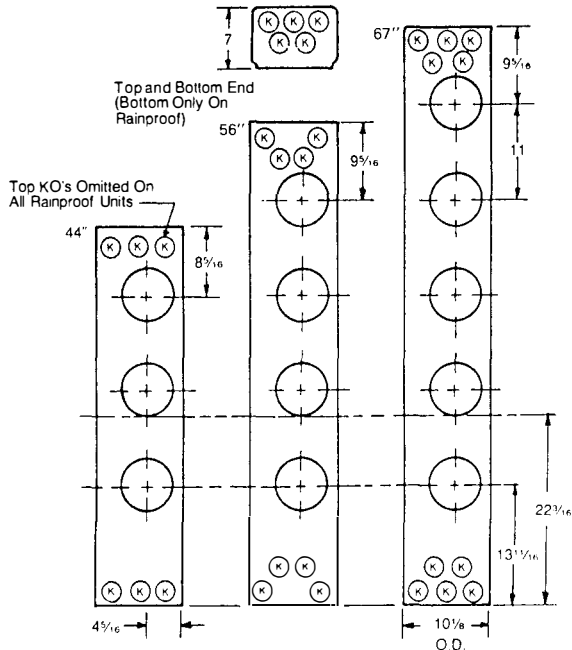
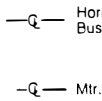


Figure 8 Figure 9 Figure 10

Knockout Codes

Code	Conduit Size - Inches
K	1-1 1/4-1 1/2
P	1 1/2-2-2 1/2



Note: Add 3" to righthand side of metering lineup for right end closure plate.

200 Ampere Positions

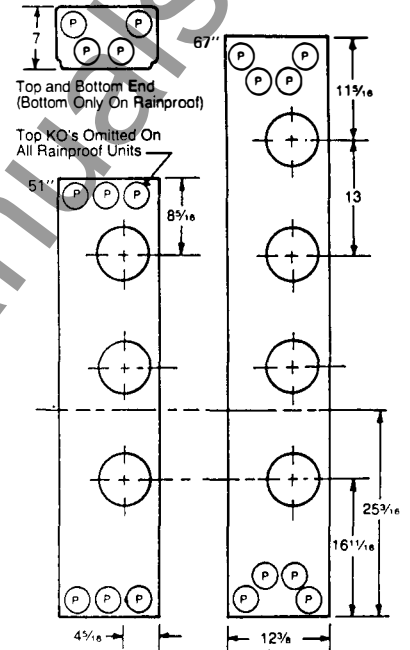
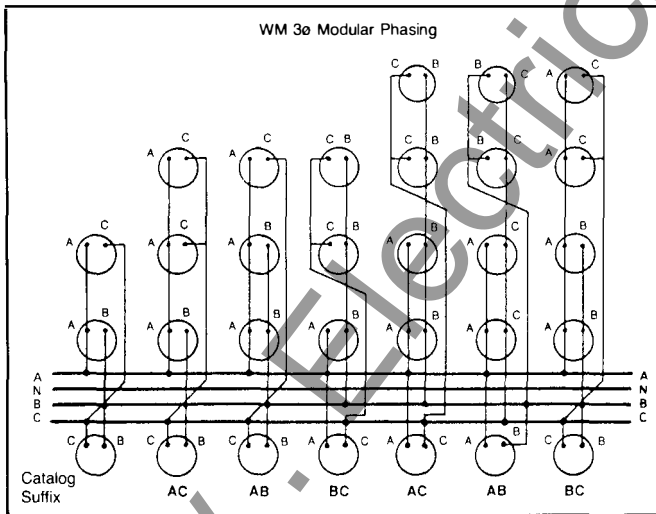


Figure 11 Figure 12

3 Phase Module Phasing – 3-Phase In, 1-Phase Out ①

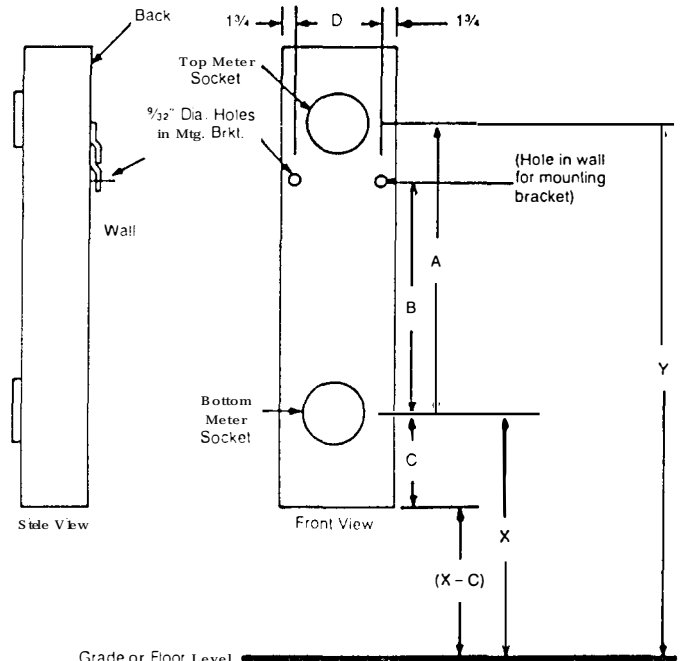


① Select the proper catalog in order to obtain an equal number of meter positions connected to each of the (3) possible combinations (Ex. AB, BC, AC). Phasing of each stack cannot be changed in the field.

Note: Not for Construction Purposes.

WM Meter Stacks

Typical



X = Utility minimum acceptable dimension in inches from grade or floor level to the center line of the bottom meter socket position. Y = Utility maximum acceptable dimension in inches from grade or floor level to the center line of the top meter socket position.

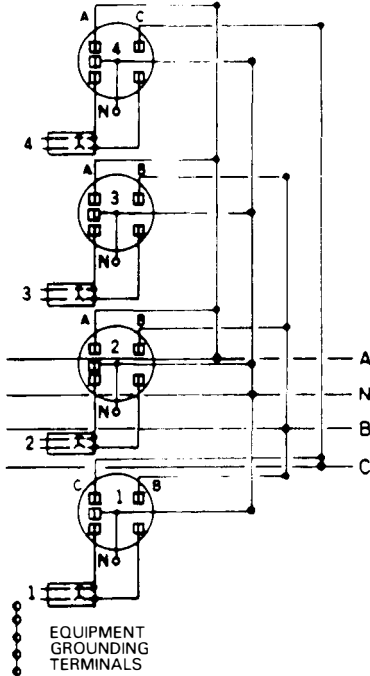


Typical Meter Stack Schematics

Three Phase Horizontal Bus

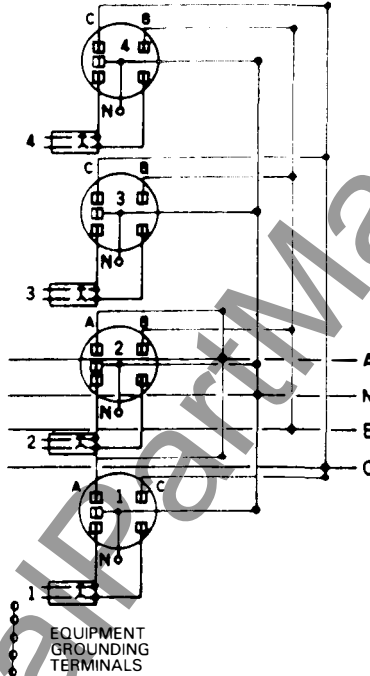
CAT. NO.
W3M420RAB (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y/120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 200 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



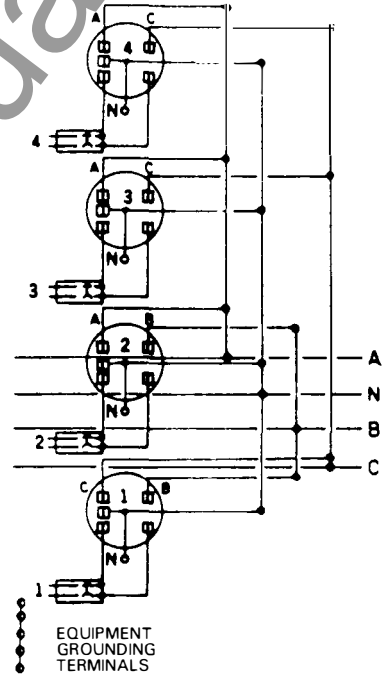
CAT. NO.
W3M420RBC (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y/120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 200 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



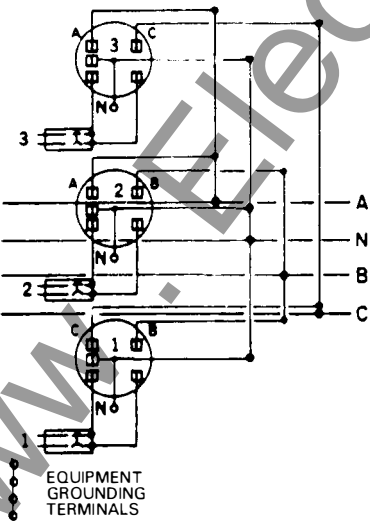
CAT. NO.
W3M420RAC (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y/120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 200 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



CAT. NO.
W3M412ORB (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y/120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 125 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



Westinghouse
CAT. NO. **W3M412RBC** (RAINPROOF)
HORIZONTAL BUS RATING - 800 AMPS
208Y/120 V.A.C. 3 ϕ -4W TYPE 3R ENCLOSURE

ALL TERMINALS SUITABLE FOR AL-CU CONDUCTORS. CIRCUIT BREAKERS SUITABLE FOR AL-CU WHEN MARKED "AL-CU."

THIS PANEL MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.

SUITABLE FOR USE AS SERVICE EQUIPMENT WHEN NOT MORE THAN SIX SERVICE DISCONNECTING MEANS ARE PROVIDED AND WHEN USED WITH THE CABLE TAP BOXES OR PULLBOXES LISTED BELOW WITH GROUNDING AND BONDING KIT CAT. NO. W3M412RBC-1000.

REPLACEMENT PARTS

METER SOCKET 125	375-007-13
METER FRONT	375-361-21
OUTER METER COVER	375-361-22

IF 5 THROTTLE PLATES REQUIRED, ORDER WESTINGHOUSE CAT. NO. W3M412RBC-1000 (SEE NOTE 1).

IF MANUAL BYPASS REQUIRED, ORDER WESTINGHOUSE CAT. NO. W3M412RBC-1001.

IF FILLER PLATES ARE REQUIRED, USE WESTINGHOUSE CAT. NO. W3M412RBC-1002.

USE WESTINGHOUSE CIRCUIT BREAKERS TYPE BR 100V OR WCH.

AUTOMATIC TRIP IS INDICATED BY HANDLE POSITION (ON/OFF) BETWEEN "ON" AND "OFF" TO RESTORE SERVICE. NOW HANDLE TO "OFF" THEN "ON".

WHEN GROUNDING ELECTRODE CONDUCTOR TERMINAL AND BONDING MEANS ARE REQUIRED, ORDER CAT. NO. W3M412RBC-1000 (SEE BONDING KIT).

USE WITH THE FOLLOWING WESTINGHOUSE EQUIPMENT:
MAIN SWITCH SERIES W3M
CABLE TAP BOX SERIES W3B
UNDERGROUND PULL BOX WITH W3MPC LUG KIT

REQUIRED TORQUE FOR WIRE CONNECTORS

WIRE RANGE	TORQUE
#20 - #1	40 lb. ft.
#14 - #6	45 lb. ft.
#6	40 lb. ft.
#10 - #14	35 lb. ft.

TORQUE HORIZONTAL BUS CONNECTIONS TO 50 LB. FT.

PANEL BOARD TERMINALS SUITABLE FOR 100% OF CONDUCTORS. CIRCUIT BREAKER TERMINALS SUITABLE FOR THE 80% 50 OR 75% OF 1% CONDUCTORS. SEE CIRCUIT BREAKER MARKING.

SHORT CIRCUIT CURRENT RATING, 10,000 RMS SYMMETRICAL AMPERES, 240 VOLTS MAXIMUM. SHORT CIRCUIT RATING LIMITED TO LOWEST INTERRUPTING CAPACITY OF ANY DEVICE INSTALLED. WHEN PROVIDED BY A CLASS 1 FUSE, 1200 AMP MAXIMUM. SHORT CIRCUIT RATING IS 100,000 RMS SYMMETRICAL AMPERES, 240 VOLTS MAXIMUM. SEE TABLE. ANY CIRCUIT BREAKERS ADDED OR REPLACED SHALL BE OF THE SAME MANUFACTURER, TYPE, AND INTERRUPTING CAPACITY.

MAIN DISCONNECT WITH:	TENANT MAIN BREAKER WESTINGHOUSE TYPE	CIRCUIT CURRENT RATING - AMPERES @ 120/240 VOLTS MAX.
CLASS 1 FUSE 600 AMP. MAX.	BR (60-125A)	10,000 100,000
CLASS 1 FUSE 1200 AMP. MAX.	BR (60-125A)	10,000 100,000

SHORT CIRCUIT CURRENT RATING IS 22,000 AMPS WHEN USED WITH UGPR PULLBOX WITH PULLBOX KIT AND WESTINGHOUSE TYPE BRH CIRCUIT BREAKERS.

INSTALLATION BY: _____ DATE: _____

**TIGHTEN ALL ELECTRICAL CONNECTIONS BEFORE ENERGIZING
DO NOT WORK ON THIS EQUIPMENT WHILE ENERGIZED**

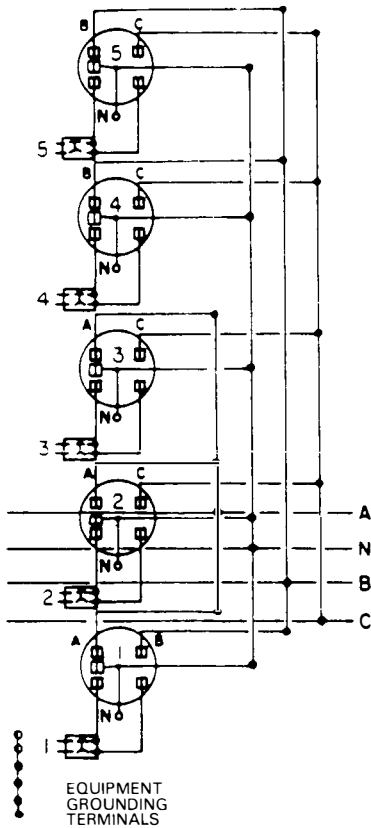


Typical Meter Stack Schematics

Three Phase Horizontal Bus

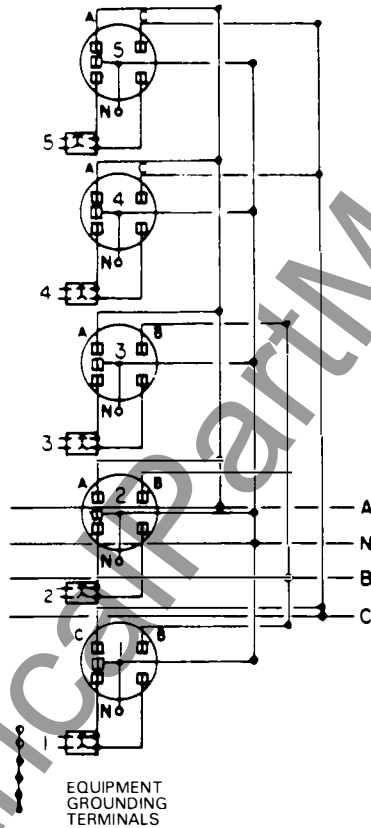
CAT. NO.
W3M512RAB (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y:120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 125 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



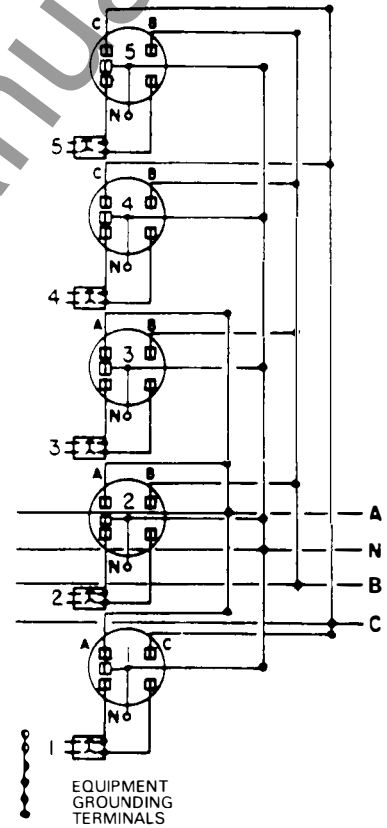
CAT. NO.
W3M512RBC (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y:120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 125 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



CAT. NO.
W3M512RAC (RAINPROOF)
HORIZONTAL BUS RATING- TYPE 3R ENCLOSURE
800 AMPS
208Y:120 V.A.C. 3 ϕ -4W
EACH METER SOCKET RATED 125 AMPS. CONTINUOUS

TYPICAL WIRING DIAGRAM



Meter Center Pricing Example:

CONTRACTOR'S TAKE - OFF READS:

ONE INDOOR METER CENTER CONSISTING OF:

- (1) MAIN 1000/3 BREAKER 10,000 AIC
- (3) 4 - POSITION STACKS RATED 125 AMP, 2 POLE
- (1) 3 - POSITION STACK RATED 200 AMP, 3 POLE
- (12) 100 AMP 2 POLE TENANT BREAKERS
- (3) 200 AMP 3 POLE TENANT BREAKERS

ANSWER:

- (1) W3MB10 — MAIN SERVICE CUBICLE
- (1) W3M412AB — 3-PHASE BUSSED STACK — 1 ϕ TENANT
- (1) W3M412BC — 3-PHASE BUSSED STACK — 1 ϕ TENANT
- (1) W3M412AC — 3-PHASE BUSSED STACK — 1 ϕ TENANT
- (1) W37M320R — 3 ϕ TENANT STACK
- (12) BR2100 — 1 ϕ TENANT MAINS
- (3) WFP3200 — 3 ϕ TENANT MAINS

WHICH CATALOGS DO WE CHOOSE?

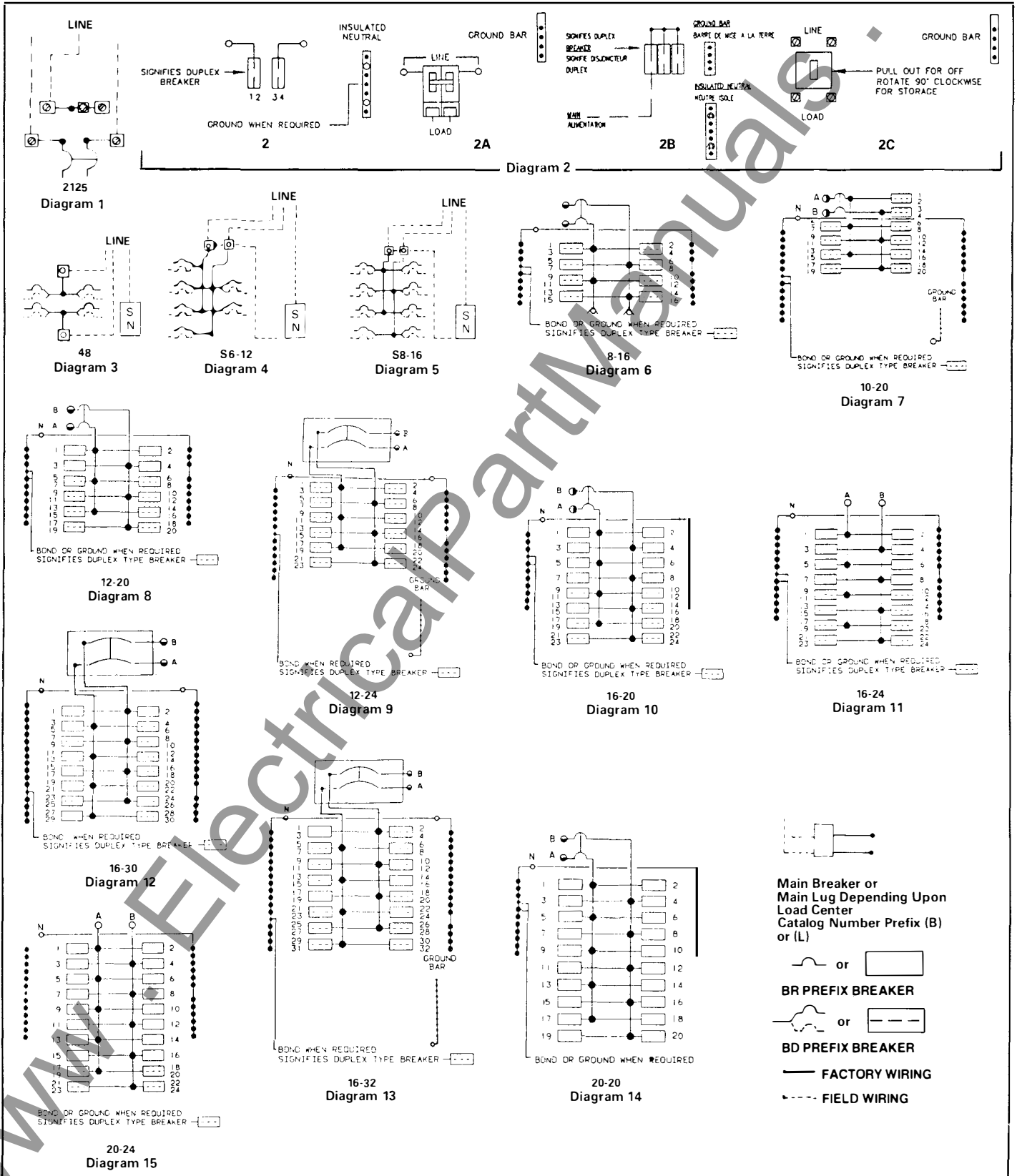
LIST PRICE? See Price List 30-325.

Note: For Layout Information
order SA-11794 Metering
Layout Template.

DIMENSIONS? See pages 35, 36

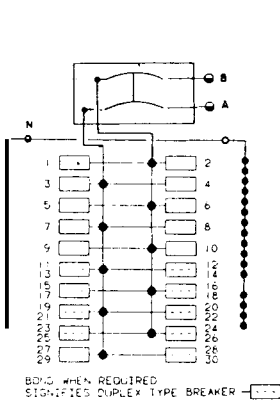


1 Phase Main Breaker and Main Lug Only Schematics to 225 Amperes

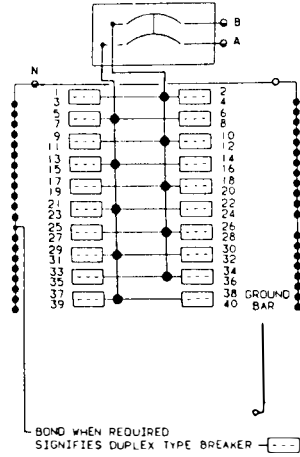




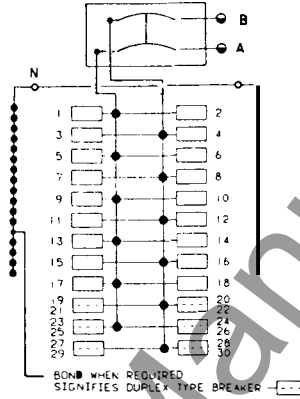
Main Breaker and Main Lug Schematics



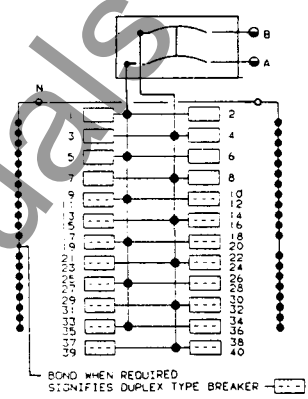
20-30
Diagram 16



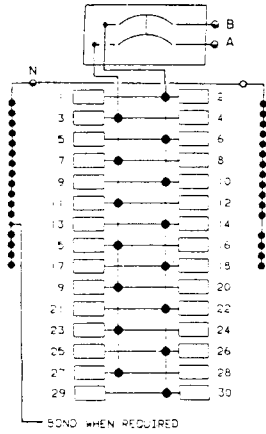
20-40
Diagram 17



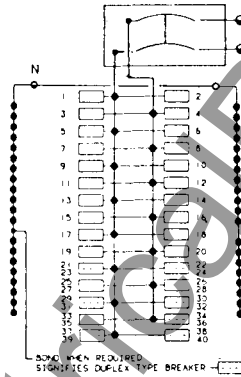
24-30
Diagram 18



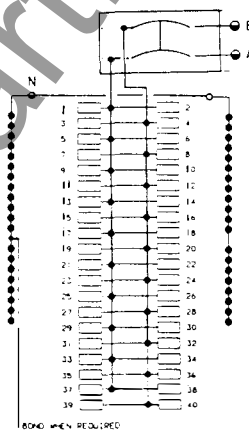
24-40
Diagram 19



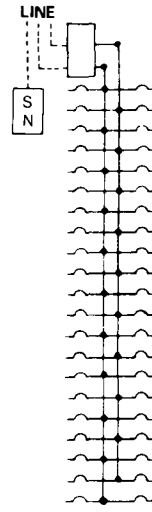
30-30
Diagram 20



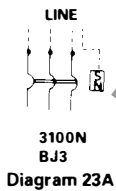
30-40
Diagram 21



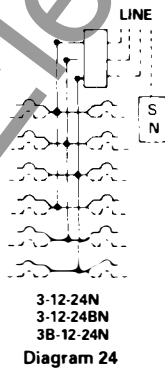
40-40
Diagram 22



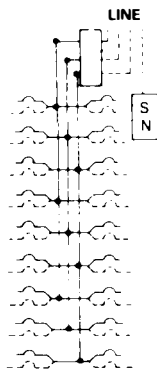
42-42
Diagram 23



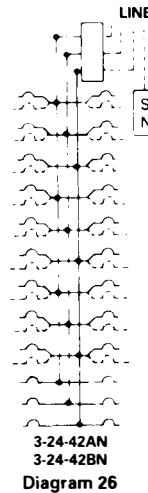
3100N
BJ3
Diagram 23A



3-12-24N
3-12-24BN
3B-12-24N
Diagram 24

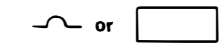


3-18-36AN
3-18-36BN
Diagram 25

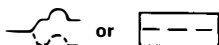


3-24-42AN
3-24-42BN
Diagram 26

Main Breaker or
Main Lug Depending Upon
Load Center
Catalog Number Prefix (B)
or (L)



BR PREFIX BREAKER



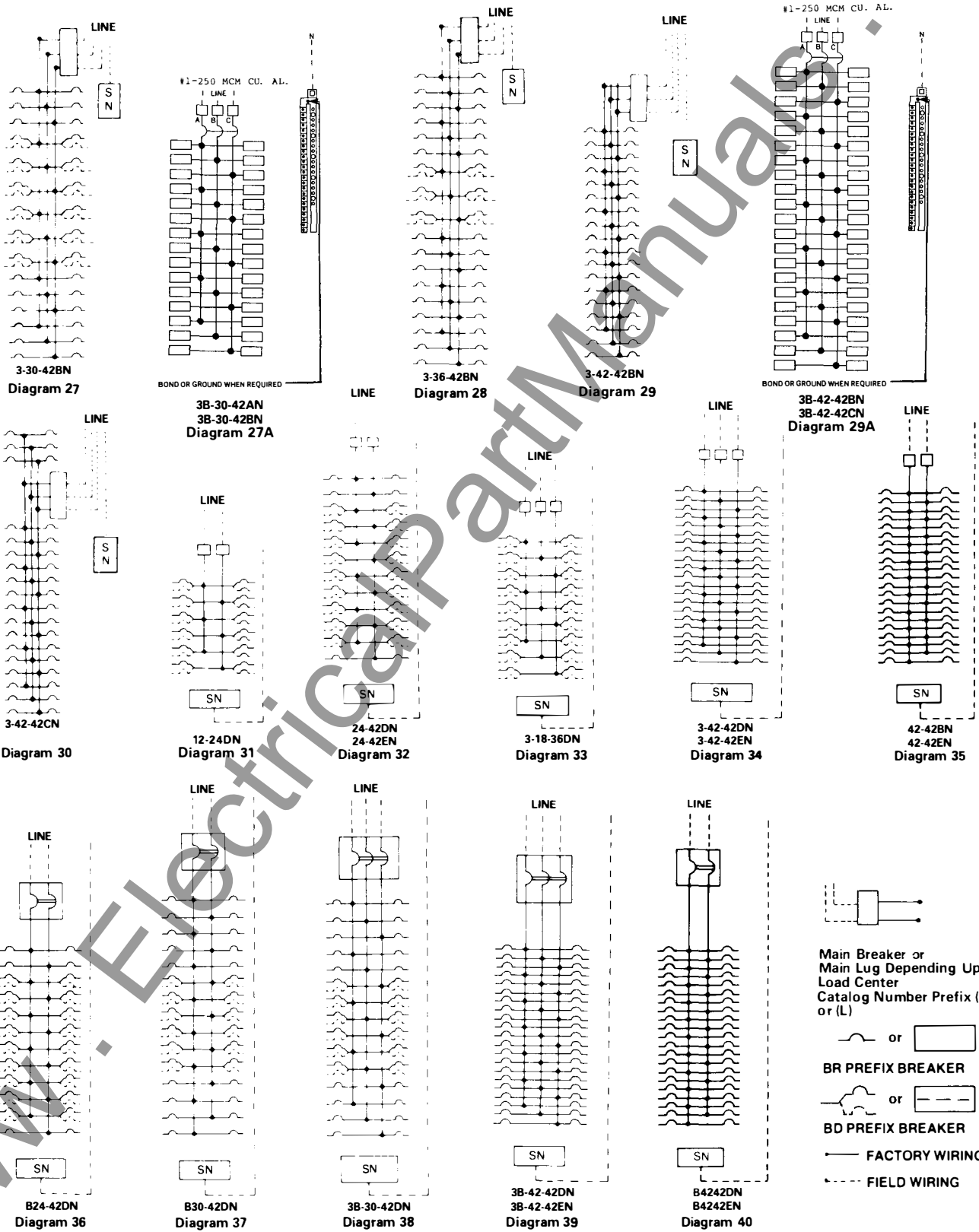
BD PREFIX BREAKER

— FACTORY WIRING

--- FIELD WIRING



Main Breaker and Main Lug Schematics





Replacement Parts Load Centers

Catalog Number	Interior Assembly Kit	Hardware Kit	Cover Kit	Neutral Assembly Kit	Deadfront Shield-N3R Kit ^①	Catalog Number	Interior Assembly Kit	Hardware Kit	Cover Kit	Neutral Assembly Kit	Deadfront Shield-N3R Kit ^①
B101020CGT	INTR44	HDWR1	FRONT1	NEUT3	—	L121624CT	INTR8	HDWR1	FRONT6	NEUT3	—
B101220CGT	INTR41	HDWR1	FRONT2	NEUT8	—	L121624RT	INTR9	HDWR1	—	NEUT3	SHLD2
B101220CT	INTR41	HDWR1	FRONT2	NEUT8	—	L122024CT	INTR11	HDWR1	FRONT7	NEUT6	—
B101224RT	INTR28	HDWR1	—	NEUT3	SHLD2	L122024RT	INTR12	HDWR1	—	NEUT3	SHLD3
B101620CT	INTR31	HDWR1	FRONT3	NEUT3	—	L151224CT	INTR16	HDWR1	FRONT12	NEUT19	—
B101624RT	INTR32	HDWR1	—	NEUT10	SHLD4	L151630CT	INTR14	HDWR1	FRONT8	NEUT16	—
B102020CT	INTR43	HDWR1	FRONT4	NEUT8	—	L152030CT	INTR15	HDWR1	—	NEUT16	—
B102024RT	INTR30	HDWR1	—	NEUT3	SHLD3	L201224CT	INTR16	HDWR1	FRONT12	NEUT19	—
B10816CT	INTR39	HDWR1	FRONT1	NEUT9	—	L201224RT	INTR17	HDWR1	—	NEUT19	SHLD5
B121624CT	INTR31	HDWR1	FRONT7	NEUT3	—	L202040CT	INTR18	HDWR1	FRONT15	NEUT17	—
B122024CT	INTR29	HDWR1	FRONT9	NEUT10	—	L202040RT	INTR23	HDWR1	—	NEUT17	SHLD6
B122024RT	INTR30	HDWR1	—	NEUT3	SHLD3	L202440CT	INTR24	HDWR1	FRONT17	NEUT17	—
B151224CGT	INTR53	HDWR1	FRONT12	NEUT19	—	L203040CT	INTR19	HDWR1	FRONT10	NEUT17	—
B151630CGT	INTR14	HDWR1	FRONT13	NEUT16	—	L203040RT	INTR26	HDWR1	—	NEUT17	SHLD8
B151630CT	INTR14	HDWR1	FRONT13	NEUT16	—	L204040CT	INTR20	HDWR1	FRONT11	NEUT17	—
B152030CT	INTR45	HDWR1	FRONT20	NEUT16	—	L204040RT	INTR25	HDWR1	—	NEUT17	SHLD7
B152040RT	INTR55	HDWR1	—	NEUT17	SHLD6	N20816RT	INTR22	HDWR2	—	NEUT18	SHLD5
B152430CT	INTR46	HDWR1	FRONT16	NEUT16	—	N121224CT	INTR27	HDWR1	FRONT6	NEUT3	—
B153030CT	INTR47	HDWR1	FRONT18	NEUT16	—	N121224RT	INTR28	HDWR1	—	NEUT3	SHLD2
B153030RT	INTR57	HDWR1	—	NEUT17	SHLD8	N121624CT	INTR31	HDWR1	FRONT7	NEUT3	—
B201224CGT	INTR53	HDWR1	FRONT12	NEUT19	—	N121624RT	INTR32	HDWR1	—	NEUT10	SHLD4
B201632CGT	INTR54	HDWR1	FRONT14	NEUT16	—	N122020CT	INTR43	HDWR1	FRONT4	NEUT8	—
B201632CT	INTR54	HDWR1	FRONT14	NEUT16	—	N122024CT	INTR29	HDWR1	FRONT9	NEUT10	—
B202040CGT	INTR48	HDWR1	FRONT20	NEUT17	—	N122024RT	INTR30	HDWR1	—	NEUT3	SHLD3
B202040CT	INTR48	HDWR1	FRONT20	NEUT17	—	N201224CT	INTR35	HDWR1	FRONT12	NEUT19	—
B202040RT	INTR23	HDWR1	—	NEUT17	SHLD6	N201224RT	INTR33	HDWR1	—	NEUT19	SHLD5
B202440CT	INTR56	HDWR1	FRONT17	NEUT17	—	N201632CT	INTR34	HDWR1	FRONT14	NEUT16	—
B203040CT	INTR49	HDWR1	FRONT18	NEUT17	—	N202040CT	INTR36	HDWR1	FRONT15	NEUT17	—
B203040RT	INTR50	HDWR1	—	NEUT17	SHLD8	N202040RT	INTR23	HDWR1	—	NEUT17	SHLD6
B204040CT	INTR51	HDWR1	FRONT19	NEUT17	—	N203040CT	INTR37	HDWR1	FRONT18	NEUT17	—
B204040RT	INTR25	HDWR1	—	NEUT17	SHLD7	N203040RT	INTR26	HDWR1	—	NEUT17	SHLD8
B4242CFN	INTR58	HDWR1	—	NEUT20	SHLD9	N204040CT	INTR38	HDWR1	FRONT19	NEUT17	—
B4242CRIN	INTR58	HDWR1	—	NEUT21	SHLD10	N204040RT	INTR25	HDWR1	—	NEUT17	SHLD7
B4242CSN	INTR58	HDWR1	—	NEUT20	SHLD9	N20816RT	INTR22	HDWR2	—	NEUT18	SHLD5
B4242CYFN	INTR58	HDWR1	—	NEUT20	SHLD9	S612C	INTR1	HDWR2	—	NEUT1	—
B4242CYSN	INTR58	HDWR1	—	NEUT20	SHLD9	S612CD	INTR1	HDWR2	—	NEUT1	—
B4242DFN	INTRV11	HDWRV1	C67NF	—	SHLDD9	S612CDG	INTR1	HDWR2	—	NEUT1	—
B4242DRIN	INTRV11	HDWRV2	—	—	SHLDV6	S612CG	INTR1	HDWR2	—	NEUT1	—
B4242DSN	INTRV11	HDWRV1	C66NS	—	SHLDD9	S612R	INTR1	HDWR2	—	NEUT1	SHLD1
B4242DYFN	INTRV11	HDWRV1	C67NYF	—	SHLDD9	S816C	INTR2	HDWR2	—	NEUT1	—
B4242DYSN	INTRV11	HDWRV1	C66NYS	—	SHLDD9	S816CD	INTR2	HDWR2	—	NEUT1	—
B4242EFN	INTRV12	HDWRV3	C67NF	—	SHLDD10	S816CDG	INTR2	HDWR2	—	NEUT1	—
B4242ERIN	INTRV12	HDWRV5	—	—	SHLDV7	S816CG	INTR2	HDWR2	—	NEUT1	—
B4242ESN	INTRV12	HDWRV3	C66NS	—	SHLDD10	S816R	INTR3	HDWR2	—	NEUT1	SHLD1
B4242EYFN	INTRV12	HDWRV3	C67NYF	—	SHLDD10	33042BFN	INTRV22	HDWRV10	C32NF	NEU13	—
B4242EYSN	INTRV12	HDWRV3	C66NYS	—	SHLDD10	33042BRIN	INTRV22	HDWRV13	—	NEU13	SHLDV15
H151632CT	INTR34	HDWR1	FRONT13	NEUT16	—	33042BSN	INTRV22	HDWRV10	C32NS	NEU13	—
H152030CT	INTR45	HDWR1	FRONT20	NEUT16	—	33642BFN	INTRV35	HDWRV10	C36NF	NEU13	—
H153040CT	INTR37	HDWR1	FRONT18	NEUT17	—	33642BSN	INTRV35	HDWRV10	C36NS	NEU13	—
H202040CT	INTR48	HDWR1	FRONT15	NEUT17	—	34242BFN	INTRV25	HDWRV10	C38NF	NEU13	—
H203040CT	INTR37	HDWR1	FRONT18	NEUT17	—	34242BRIN	INTRV25	HDWRV13	—	NEU13	SHLDV17
H204040CT	INTR51	HDWR1	FRONT19	NEUT17	—	34242BSN	INTRV25	HDWRV10	C38NS	NEU13	—
L121224CGT	INTR5	HDWR1	FRONT5	NEUT3	—	34242CFN	INTRV4	HDWRV3	C45NF	NEU1	SHLDD16
L121224CT	INTR5	HDWR1	FRONT5	NEUT3	—	34242CRIN	INTRV4	HDWRV5	—	NEU1	SHLDV8
L121224RT	INTR6	HDWR1	—	NEUT3	SHLD2	34242CSN	INTRV4	HDWRV3	C44NS	NEU1	SHLDD16
L121624CT	INTR8	HDWR1	FRONT6	NEUT3	—	4242CFN	INTR59	HDWR1	C45NF	NEUT22	SHLD9
L121624RT	INTR9	HDWR1	—	NEUT3	SHLD2	4242CRIN	INTR59	HDWR1	—	NEUT22	SHLD10
L122024CT	INTR11	HDWR1	FRONT7	NEUT6	—	4242CSN	INTR59	HDWR1	C44NS	NEUT22	SHLD9
L122024RT	INTR12	HDWR1	—	NEUT3	SHLD3						
L151224CT	INTR16	HDWR1	FRONT12	NEUT19	—						
L151630CT	INTR14	HDWR1	FRONT8	NEUT16	—						
L152030CT	INTR15	HDWR1	—	NEUT16	—						
L201224CT	INTR16	HDWR1	FRONT12	NEUT19	—						
L201224RT	INTR17	HDWR1	—	NEUT19	SHLD5						
L202040CT	INTR18	HDWR1	FRONT15	NEUT17	—						
L202040RT	INTR23	HDWR1	—	NEUT17	SHLD6						
L202440CT	INTR24	HDWR1	FRONT17	NEUT17	—						
L203040CT	INTR19	HDWR1	FRONT10	NEUT17	—						
L203040RT	INTR26	HDWR1	—	NEUT17	SHLD8						
L204040CT	INTR20	HDWR1	FRONT11	NEUT17	—						
L204040RT	INTR25	HDWR1	—	NEUT17	SHLD7						
N20816RT	INTR22	HDWR2	—	NEUT18	SHLD5						
N121224CT	INTR27	HDWR1	FRONT6	NEUT3	—						
N121224RT	INTR28	HDWR1	—	NEUT3	SHLD2						
N121624CT	INTR31	HDWR1	FRONT7	NEUT3	—						
N121624RT	INTR32	HDWR1	—	NEUT10	SHLD4						
N122020CT	INTR43	HDWR1	FRONT4	NEUT8	—						
N122024CT	INTR29	HDWR1	FRONT9	NEUT10	—						
N122024RT	INTR30	HDWR1	—	NEUT3	SHLD3						
N201224CT	INTR35	HDWR1	FRONT12	NEUT19	—						
N201224RT	INTR33	HDWR1	—	NEUT19	SHLD5						
N201632CT	INTR34	HDWR1	FRONT14	NEUT16	—						
N202040CT	INTR36	HDWR1	FRONT15	NEUT17	—						
N202040RT	INTR23	HDWR1	—	NEUT17	SHLD6						
N203040CT	INTR37	HDWR1	FRONT18	NEUT17	—						
N203040RT	INTR26	HDWR1	—	NEUT17	SHLD8						
N204040CT	INTR38	HDWR1	FRONT19	NEUT17	—						
N204040RT	INTR25	HDWR1	—	NEUT17	SHLD7						
N20816RT	INTR22	HDWR2	—	NEUT18	SHLD5						
S612C	INTR1	HDWR2	—	NEUT1	—						
S612CD	INTR1	HDWR2	—	NEUT1	—						
S612CDG	INTR1	HDWR2	—	NEUT1	—						
S612CG	INTR1	HDWR2	—	NEUT1	—						
S612R	INTR1	HDWR2	—	NEUT1	SHLD1						
S816C	INTR2	HDWR2	—	NEUT1	—						
S816CD	INTR2	HDWR2	—	NEUT1	—						
S816CDG	INTR2	HDWR2	—	NEUT1	—						
S816CG	INTR2	HDWR2	—	NEUT1	—						
S816R	INTR3	HDWR2	—	NEUT1	SHLD1						
33042BFN	INTRV22	HDWRV10	C32NF	NEU13	—						
33042BRIN	INTRV22	HDWRV13	—	NEU13	SHLDV15						
33042BSN	INTRV22	HDWRV10	C32NS	NEU13	—						
33642BFN	INTRV35	HDWRV10	C36NF	NEU13	—						
33642BSN	INTRV35	HDWRV10	C36NS	NEU13	—						
34242BFN	INTRV25	HDWRV10	C38NF	NEU13	—						
34242BRIN	INTRV25	HDWRV13	—	NEU13	SHLDV17						
34242BSN	INTRV25	HDWRV10	C38NS	NEU13	—						
34242CFN	INTRV4	HDWRV3	C45NF	NEU1	SHLDD16						
34242CRIN	INTRV4	HDWRV5	—	NEU1	SHLDV8						
34242CSN	INTRV4	HDWRV3	C44NS	NEU1	SHLDD16						
4242CFN	INTR59	HDWR1	C45NF	NEUT22	SHLD9						
4242CRIN	INTR59	HDWR1	—	NEUT22	SHLD10						
4242CSN	INTR59	HDWR1	C44NS	NEUT22	SHLD9						

① Necessary for NEMA 3R load centers.
② Refer to Catalog 30-390 and PL 30-325.



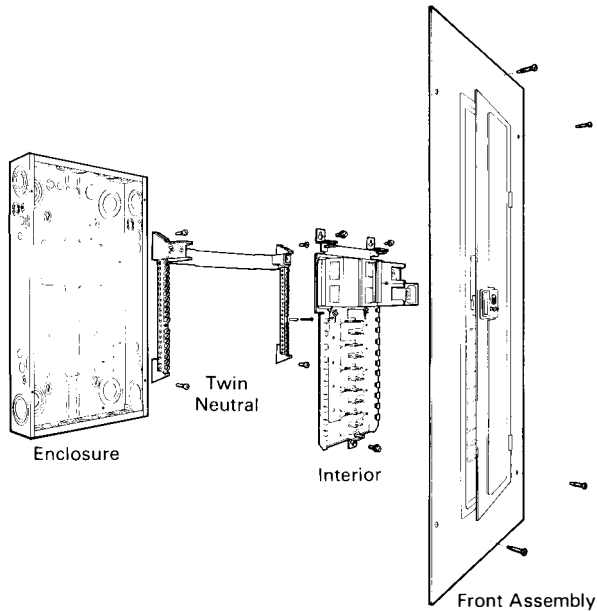
NOTES

www.ElectricalPartManuals.com

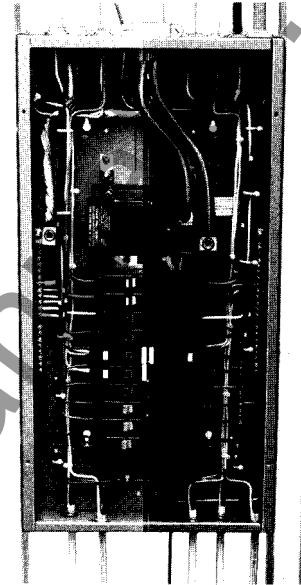


com

Typical Load Center Assembly



B202040CT



B202040CT
Breakers Installed and Wired
Mounted Between Two Studs

Further Information

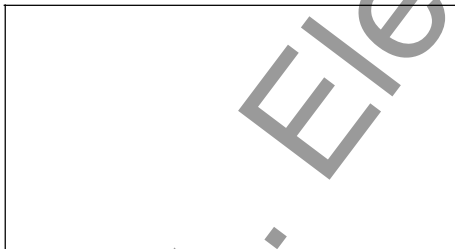
Mod/Line Brochure SA-11648A
Twin Neutral Load Center Brochure
SA-11662A
CPD Price List PL 30-325
Safety Switch Price List PL 30-125
Renewal Parts Catalog 30-390
Res. Time Current Curves
Application Data 30-361
BPA Form 49808
Metering Template SA-11764

BPA Procedures

The branch price authorization (BPA) is an authorized deviation from published/ discounts to meet specific competitive situations at a given distributor location. The BPA form is used not only to satisfy the legal requirements affecting the sale of Westinghouse CPD products to our customer, but to provide an accurate, efficient means of managing our distributor price agreements. All authorized BPA discount multipliers are loaded in Westinghouse AMS data base and automatically price each catalog item at the time of order entry.

Primary BPA discount groups (L,C,G,S,E) apply to all catalog items within their respective groups; however, sub-group discounts (LA, LB, etc) will take precedence over the primary group, while a catalog exception will override both primary and subgroups. In other words, the computer system will, upon order entry, search for the lowest authorized level for each catalog item, and price it accordingly.

Distributed By:



Instructions

Field Sales Request

- Provide complete information required by BPA form. (Form 49808)
- Request discount multipliers required to meet competition.
- Obtain District Manager approval & signature.
- Fax or mail completed BPA form to the Distribution Support Center.

Support Center Authorization

- Review, negotiate and authorize BPA request.
- Enter product code authorizations on AMS data base.
- Fax approved BPA to Field Sales.
- Maintain on file approved and signed forms for internal audit.

Field Sales Confirmation

- Add authorized BPA discount group multipliers to the BPA discount tables provided on CPD price lists: 30-125 and 30-325 as required.
- Transmit the price lists to the distributor acknowledging and confirming the approved levels that have been secured for him.

Westinghouse Electric Corporation
Distribution and Control Business Unit
Standard Distribution Products Division
Pittsburgh, Pennsylvania, U.S.A. 15220



Westinghouse Electric Corporation
Bryant Electric Division
Bridgeport, Connecticut 06606

Catalog
30-350

Page 1

October, 1986
Supersedes 30-350
Pages 1-36 dated January 2, 1986
For standard terms of sale,
refer to Selling Policy 30-000
Mailed to: E, D, C/30-100A, 30-200A

Circuit Protective Devices





Table of Contents, Specifications and Listings

Table of Contents

	Page		Page
Specifications, Listings	2	METER SOCKET PANELS	
CIRCUIT BREAKERS		Meter Socket Panels	19
Circuit Breaker Types	3	Meter Socket Panel Dimensions and Knockout Data	20, 21
Circuit Breaker Features, Dimensions	4	METER CENTERS	
Circuit Breaker Handle Color Code	5	Quick-Stack Meter Center Features	22
Circuit Breakers 1" per pole	5	Quick-Stack Meter Centers	23
Circuit Breakers 1/2" per pole, Replacement Breakers, and Special Application Breakers ..	6	Quick-Stack Commercial Meter Center Features	24
Circuit Breaker Ratings and Terminal Data	7	Quick-Stack Commercial Meter Centers	25
Circuit Breaker Accessories and Wire Ranges .	8	Quick-Stack Service Cubicles	26, 27
LOAD CENTERS		Quick-Pack Meter Centers	28
Load Center Features and Catalog Number Interpretation	9	Meter Center Accessories and System Short Circuit Rating Table	29
Main Breaker, Single Phase, Load Centers	10	Quick-Stack Meter Center and Service Cubicle Dimensions and Knockout Data	30, 31
Main Breaker, Three Phase, Load Centers	11	Quick-Stack Commercial Meter Center Schematics and Phase Balancing Data	32
Main Lug, Single Phase, Load Centers	12	Quick-Stack Commercial Meter Center Dimensions and Knockout Data	33
Main Lug, Three Phase, Load Centers	13	Quick-Pack Meter Center Dimensions and Knockout Data	34
Mobile Home Panels, Single Phase	14	SCHEMATICS, INDEX	
Load Center Dimensions and Knockout Data ..	15, 16	Schematics	35-38
Riser and Feed-Thru Panels	17	Numerical Index	39
Load Center Accessories	18	Regional Sales Offices	Back cover

SPECIFICATIONS, LISTINGS

CLASS CTL

National Electrical Code Paragraph 384-15 requires branch circuit load centers to be provided with physical means to prevent the installation of more over-current devices than that number for which the enclosure was designed, rated, and approved. Class CTL Duplex and Quadplex breakers (identified by a catalog number prefix BD or BQ) are equipped with a UL listed rejection tab over the line terminal. All load center enclosures have appropriately notched stubs to accept these rejection tab Class CTL breakers.

Duplex and Quadplex breakers manufactured without the rejection tab (identified by a catalog number prefix BR or BRD) are available for replacement purposes in older enclosures.

FEDERAL SPECIFICATIONS

All load center enclosures meet Federal Specifications W-P-115a, Type 1, Class 2 requirements.

All 1 pole and 2 pole 120/240 volt breakers, both 1" and 1/2" per pole meet the requirements of Federal Specifications W-C-375a Class 1a

All 2 pole and 3 pole 240 volt breakers meet Federal Specification W-C-375a Class 1b.

CANADIAN STANDARDS ASSOCIATION LISTING

All 1 pole and 2 pole 120/240 volt breakers, both 1" and 1/2" per pole, 225 ampere maximum, are listed as Certified by the Canadian Standards Association, Guide No. 69-11-19, Class 1432, File 18328.

All 1-pole GFCB® Ground Fault Circuit Breakers with suffix CS are listed as certified by the Canadian Standards Association, Guide No. 142-R-3, Class 1451, File 33607.

SERVICE ENTRANCE

All split bus, main breaker, and unit enclosures, and all main lug enclosures thru 12 circuit single phase and 18 circuit three phase are listed as suitable for use as Service Equipment when installed in accordance with NEC-230. Meter socket units are listed as Service Equipment.

UNDERWRITERS' LABORATORIES INC. LISTING

All load centers comply with the Underwriters' Laboratories Inc. standards and are listed as follows:

- "Standard for Panelboards" UL67; Guide No. 320 BO File E31679.
- "Standards for Cabinets and Boxes" UL50; Guide No. 60 A 19 File E34724.
- "Requirements for Wire Connectors and Soldering Lugs", UL486; Guide No. 461 10-C File E7830.
- "Requirements for Service Equipment", UL869; Guide No. 380 FO File E11737.

All MLK series lug kits comply with Underwriters' Laboratories Inc. standards and are listed under Guide No. DHJR, File E31424, Volume W, Section 17.

All grounding bars manufactured comply with Underwriters' Laboratories, Inc. standards and are listed under Guide No. DHJR, File E31424, Volume W, Section 17.

All circuit breakers 15 amperes and larger comply with the Underwriters' Laboratories Inc. "Standard for Branch Circuit and Service Circuit-Breakers" UL489; Guide No. 60 10.2 File E31424, and "Requirements for Wire Connectors and Soldering Lugs", UL486; Guide No. 461 10-C File E7830.

All Bryant breakers and load centers where marked, are suitable for use with 60/75°C rated wire.

All devices comply with the 22,000 A.I.C. — 10,000 A.I.C. U.L. series connected components File DKS Y2 of the Recognized Components Index.



Circuit Breaker Types Thermal Magnetic 40°C

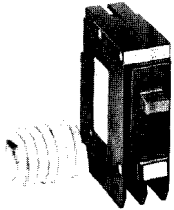
BR CIRCUIT BREAKERS



Bryant BR plug-on breakers in the standard 1" per pole package have color-coded handles for easy ampacity identification and unique color-coded cases that indicate UL listed 10KA or 22KA interrupting ratings.

All are Type I.C. (interchangeable) devices; several ratings are SWD and HACR approved. Typical ampacity range for BR breakers is 15-125 amperes.

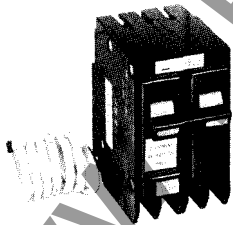
GFCB® BREAKERS



Bryant GFCB (ground fault circuit breaker) combines state-of-the-art hybrid electronic technology with a circuit breaker mechanism in a compact 1" package. The GFCB automatically senses hot wire-

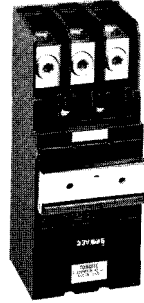
to-ground faults in a 4 to 6 milliamperes range, and shuts off the power thus providing an extra margin of safety beyond that of conventional circuit breakers. GFCB applications include bathrooms, cellar outlets, swimming pools, outdoor branch circuits, and kitchen branch circuits. Available in UL listed 120 and 120/240V ratings. Bryant also offers non-UL listed ground fault breakers for international applications as well as ground fault devices for equipment protection.

EQUIPMENT PROTECTION BREAKERS



This device is similar to the Bryant GFCB, except that it is designed to protect equipment (not people) against damage from arcing ground faults. It is available with a 30MA trip level. Applications include infrared heating equipment, computer equipment, process control equipment etc. Special markings and color-coding immediately differentiate it from a GFCB breaker.

BJ CIRCUIT BREAKERS



Available in 125 thru 225 ampere frames, Bryant BJ plug-on breakers have 10KA and 22KA interrupting ratings and can be used as main or branch disconnect devices. Color-coded handles identify ampacity ratings.

Large extruded aluminum box lugs, complies with UL 486B, provide cool operation. Tripping mechanism has thermal and magnetic protection for long-life performance. Rupture gas is safely vented into box gutter.

BD CIRCUIT BREAKERS



BD plug-on breakers have the same construction as Bryant BR 1" per pole devices except that 2 poles are in a space-saving 1" package. UL listed interrupting rating is 10KA. Color-coded handles identify ampacity rating

through 50 amperes. Some ratings are SWD and HACR approved. Exclusive CTL rejection feature allows only 42 circuits in the panel in compliance with NEC Article 384-15.

BQ CIRCUIT BREAKERS



Quadplex® construction of Bryant BQ plug-on breakers incorporates two duplex breakers assembled together to provide various combinations of 2 pole and single pole devices in a 2" package, and allow compliance with

NEC Article 240-20(b). The 2 pole combinations of Bryant BQ breakers are marked "independent trip" meaning that each pole of a 2 pole device trips independently of the other, but may be actuated jointly by means of the handle tie. Independent trip devices may only be used on 3 wire Edison circuits where the neutral is present.

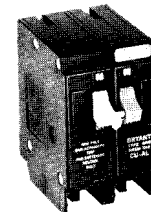
BQC CIRCUIT BREAKERS



Quadplex construction of Bryant BQC plug-on breakers incorporates a special internal common trip cam. BQC breakers are available in several combinations of 2 pole and single pole devices wherein the 2 pole

circuits have an internal common trip mechanism. These breakers are labeled "common trip" and meet all the requirements of UL 489 paragraph 9.1 requiring multipole breakers to have common trip. Common trip breakers are required on all 240V circuits where there is no neutral present such as water heaters, baseboard heat, air conditioners and other motorloads.

SPECIAL APPLICATION BREAKERS



As the name implies, these devices are designed for special applications as required by the National Electrical Code.

Water Heater Breaker: Some watthour meters incorporate rate register switches

used in conjunction with off-peak rates. Water Heater breakers do not derive their circuit from the loadcenter stab. The line & load side of the breaker are fed to terminals on the breaker. Except for these terminations, the device offers normal circuit breaker protection.

Switching Neutral Breaker: Primary application for the Bryant switching neutral breaker is for protection of process equipment such as gas pumps that utilize flammable liquids. Non-automatic pole breaks the neutral power leg, minimizing the danger of arc conditions.

2-Pole Breakers 120V or More to Ground: Used on Delta distribution systems, these Bryant breakers are applied on phase legs where voltage to ground is above 120V.

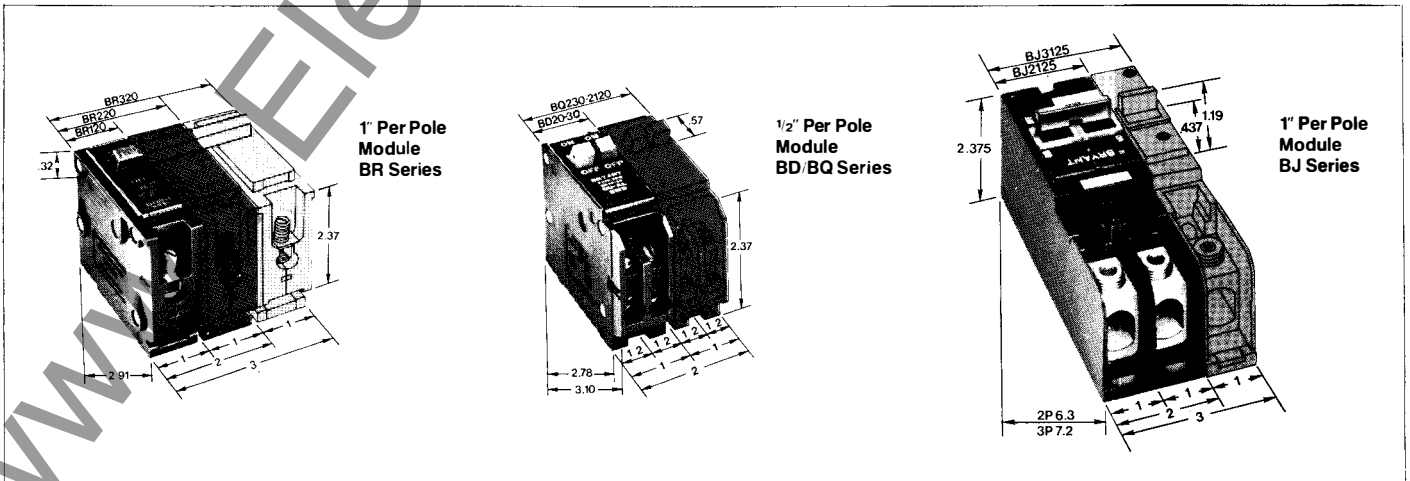
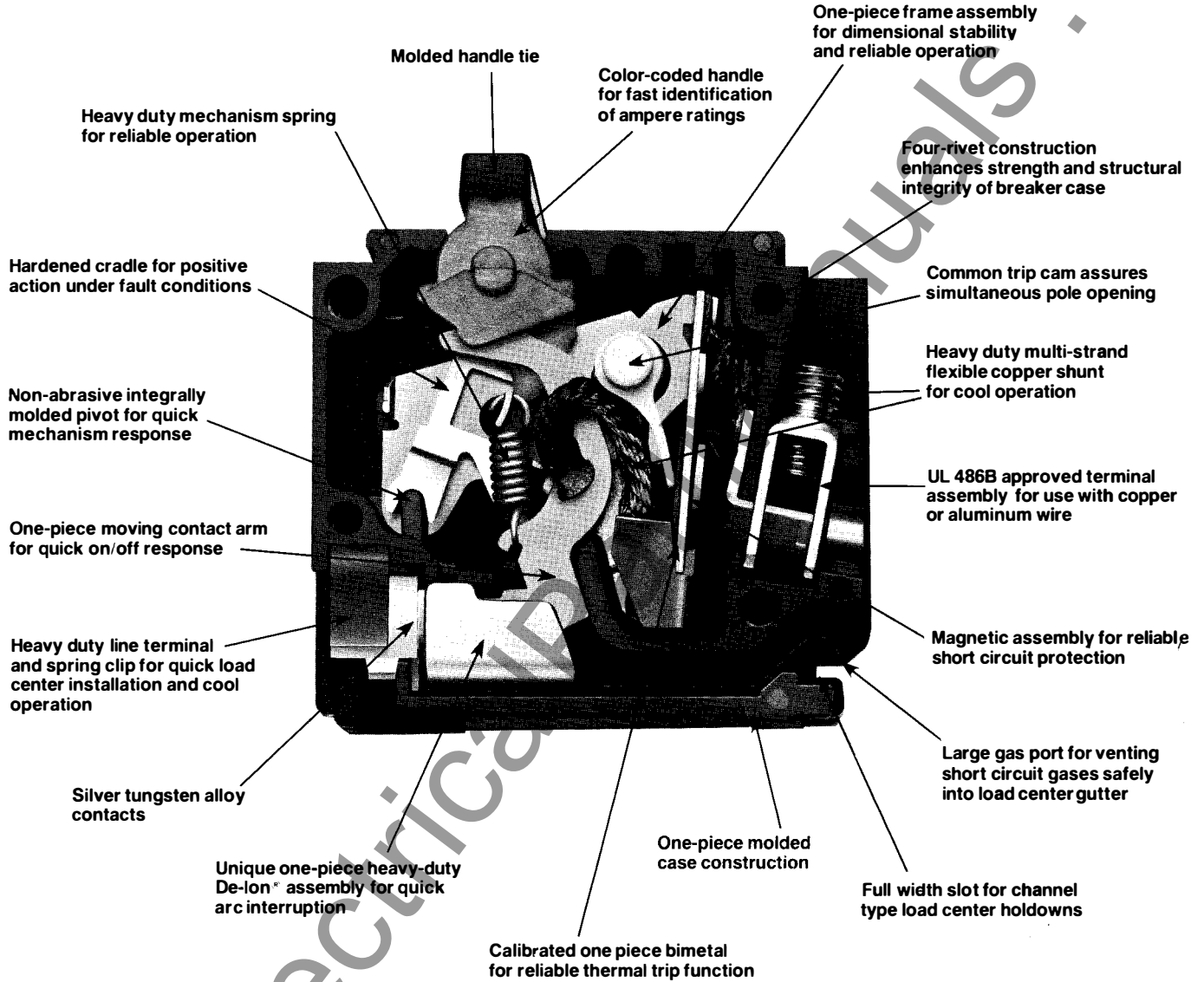
Non-Automatic Molded Case Switch: Identical to comparable circuit breaker frames with this exception: non-automatic molded case switches do not have thermal or magnetic trip elements.

Circuit Breaker Features and Dimensional Data

Thermal Magnetic 40°C

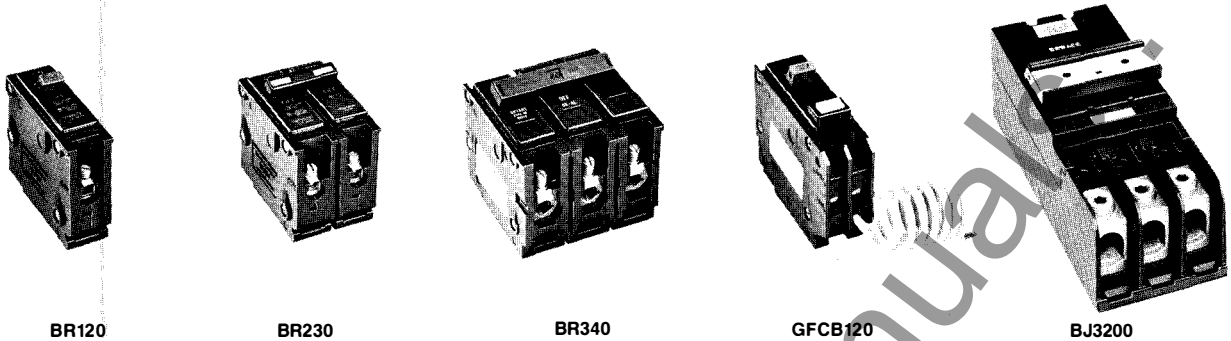


www.electricalsupplies.com










Plug-on Circuit Breakers 1" per pole — Types BR, GFCB, GFEP, BJ Thermal Magnetic 40°C



TYPE BR BREAKERS, 1" PER POLE 120/240 OR 240 VOLTS AC, 10,000, 22,000, AND 42,000 AIC

AMPS	1 Pole 120/240 VAC 		2 Pole 120/240 VAC Common Trip 			3 Pole 240 VAC Common Trip 	
	Requires 1 Space 12 per Shelf Carton; 48 per 14 Lb. Package		Requires 2 Spaces 6 per Shelf Carton; 24 per 16 Lb. Package			Requires 3 Spaces 4 per Shelf Carton; 16 per 17 Lb. Package	
	10,000 AIC	22,000 AIC	10,000 AIC	22,000 AIC	42,000 AIC ^⑥	10,000 AIC	22,000 AIC
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
10	BR110 ^②		BR210 ^④				
15	BR115 ^{①②③}	BRH115	BR215 ^④	BRH215		BR315	BRH315
20	BR120 ^{①②③}	BRH120	BR220 ^④	BRH220		BR320	BRH320
25	BR125	BRH125	BR225 ^④	BRH225			
30	BR130 ^③	BRH130	BR230 ^④	BRH230		BR330	BRH330
40	BR140	BRH140	BR240 ^④	BRH240		BR340	BRH340
50	BR150	BRH150	BR250 ^④	BRH250		BR350	BRH350
60	BR160	BRH160	BR260 ^④	BRH260		BR360	BRH360
70	BR170	BRH170	BR270 ^⑤	BRH270		BR370	BRH370
80			BR280 ^⑤				
90			BR290 ^⑤	BRH290		BR390	BRH390
100			BR2100 ^⑥	BRH2100	BRHH2100	BR3100	BRH3100
110			BR2110 ^⑥	BRH2110			
125			BR2125 ^⑥	BRH2125	BRHH2125		



TYPE GFCB GROUND FAULT CIRCUIT BREAKERS 1" PER POLE 120VAC or 120/240VAC, 10,000 & 22,000 AIC 1 Pole for Single Circuit Application, 2 Pole for Multi-Wire and Appliance Circuits.

AMPS	1 Pole 120 VAC 		2 Pole 120/240 VAC Common Trip 	
	Requires 1 Space 1 per Shelf Carton 20 per 10 Lb. Package		Requires 2 Spaces 1 per Shelf Carton 5 per 6 Lb. Package	
	10,000 AIC	22,000 AIC	10,000 AIC	22,000 AIC
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
15	GFCB115	GFCBH115	GFCB215	GFCBH215
20	GFCB120	GFCBH120	GFCB220	GFCBH220
25	GFCB125	GFCBH125	GFCB225	GFCBH225
30	GFCB130	GFCBH130	GFCB230	GFCBH230

TYPE GFEP GROUND FAULT EQUIPMENT PROTECTORS, 1" PER POLE 120VAC or 120/240VAC, 10,000 AIC

AMPS	1 Pole 120 VAC	2 Pole 120/240 VAC
	Requires 1 Space 1 per Shelf Carton 20 per 9 Lb. Package	Requires 2 Spaces 1 per Shelf Carton 5 per 5 Lb. Package
	1P30MA for single circuit application	2P30MA for multi-wire and appliance circuits
	CAT. NO.	CAT. NO.
15	GFEP115	GFEP215
20	GFEP120	GFEP220
25	GFEP125	GFEP225
30	GFEP130	GFEP230

TYPE BJ BREAKERS, 120/240 OR 240 VOLTS AC, 10,000, 22,000, AND 42,000 AIC

AMPS	2 Pole 120/240 VAC Common Trip 			3 Pole 240 VAC Common Trip 	
	Requires 4 Spaces 1 per Shelf Carton, 10 per 20 Lb. Package			Requires 6 Spaces 1 per Shelf Carton, 5 per 18 Lb. Package	
	10,000 AIC	22,000 AIC	42,000 AIC ^⑥	10,000 AIC	22,000 AIC
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
125	BJ2125	BJH2125		BJ3125	BJH3125
150	BJ2150	BJH2150	BJHH2150	BJ3150	BJH3150
175	BJ2175	BJH2175		BJ3175	BJH3175
200	BJ2200	BJH2200	BJHH2200	BJ3200	BJH3200
225	BJ2225	BJH2225		BJ3225	BJH3225

CIRCUIT BREAKER HANDLE COLOR CODE

AMPS	COLOR	AMPS	COLOR
10	PINK	70	YELLOW
15	MED. BLUE	90	DARK RED
20	MED. RED	100	BLACK
25	IVORY	125	DARK GREEN
30	MED. GREEN	150	BROWN
40	GRAY	175	AMBER
50	LT. BLUE	200	DARK BROWN
60	ORANGE	225	DARK BLUE

CIRCUIT BREAKER CASE INTERRUPTING CAPACITY

10,000 A.I.C. BLACK	22,000 A.I.C. GRAY
---------------------	--------------------

① Switching duty rating.
● One pole, 1" per pole breakers are available with high magnetic setting for switching large tungsten lamp loads. Add suffix H to catalog number.
③ BR 1-pole breakers also carry listing for HACR type. Add HACR suffix to catalog number when ordering.

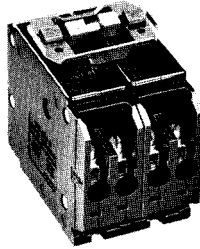
④ BR 2-pole breakers are "UL Listed HACR Type" thru 60 amp, and are suitable for use as branch circuit protective devices in multi-motor and combination load installations commonly involved in heating, air conditioning, and refrigeration equipment.

● Two pole 70 amp and larger breakers are available with MAIN stamped on handle or case. Add suffix "B" to catalog number.
⑥ 42,000 AIC BRHH & BJHH breakers are special application breakers for use with QP meter centers only to maintain 42,000 AIC ratings.

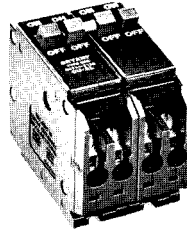
Plug-on Circuit Breakers
1/2" per pole — Type CTL
Thermal Magnetic 40°C



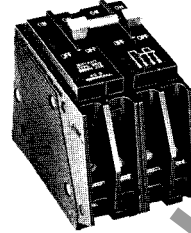
BD15-20



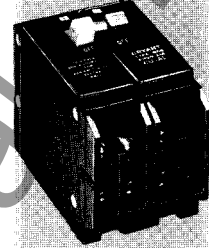
BQ230-240



BQ230-2120



BRWH215



BRSN215

120/240 VAC Duplex Type BD
Two of 1 Pole Takes 1 Space



12 per Shelf Carton
48 per 17 Lb. Package

AMPS	CAT. NO.
10-10	BD10-10
15-15	BD15-15
15-15	BD15-15 HACR
15-20	BD15-20
15-20	BD15-20 HACR
15-30	BD15-30
20-15	BD20-15
20-15	BD20-15 HACR
20-20	BD20-20
20-20	BD20-20 HACR
20-30	BD20-30
25-25	BD25-25
30-15	BD30-15
30-15	BD30-15 HACR
30-20	BD30-20
30-20	BD30-20 HACR
30-30	BD30-30
30-30	BD30-30 HACR
30-50	BD30-50
50-30	BD50-30

120/240 VAC Quadplex Type BQ Independent Trip
Two of 2-Pole or One 2-Pole and Two 1-Pole Takes 2 Spaces



6 per Shelf Carton
24 per 18 Lb. Package

AMPS	CAT. NO.
2p15-2p15	BQ215-215
2p20-2p20	BQ220-220
2p20-2p30	BQ220-230
2p20-2p40	BQ220-240
2p20-2p50	BQ220-250
2p25-2p25	BQ225-225
2p30-2 of 1p15	BQ230-2115
2p30-2 of 1p20	BQ230-2120
2p30-2p30	BQ230-230
2p30-2p40	BQ230-240
2p30-2p50	BQ230-250
2p40-2 of 1p15	BQ240-2115
2p40-2 of 1p20	BQ240-2120
2p40-2p40	BQ240-240
2p40-2p50	BQ240-250
2p50-2 of 1p15	BQ250-2115
2p50-2 of 1p20	BQ250-2120
2p50-2p50	BQ250-250

120/240 V and 240 VAC Type BQC Common Trip
Two of 2-Pole 240 V or One 2-Pole 240 V and Two 1-Pole 120/240 V Takes 2 Spaces
2-Pole Devices are Common Trip



6 per Shelf Carton
24 per 18 Lb. Package

AMPS	CAT. NO.
2p25-2 of 1p15 Com. Trip	BQC225-2115
2p30-2 of 1p15 Com. Trip	BQC230-2115
2p30-2 of 1p20 Com. Trip	BQC230-2120
2p40-2 of 1p15 Com. Trip	BQC240-2115
2p40-2 of 1p20 Com. Trip	BQC240-2120
2p50-2 of 1p15 Com. Trip	BQC250-2115
2p50-2 of 1p20 Com. Trip	BQC250-2120
2p15-2p15 Com. Trip	BQC215-215
2p20-2p20 Com. Trip	BQC220-220
2p20-2p30 Com. Trip	BQC220-230
2p20-2p40 Com. Trip	BQC220-240
2p20-2p50 Com. Trip	BQC220-250
2p25-2p25 Com. Trip	BQC225-225
2p30-2p30 Com. Trip	BQC230-230
2p30-2p40 Com. Trip	BQC230-240
2p30-2p50 Com. Trip	BQC230-250
2p40-2p40 Com. Trip	BQC240-240
2p40-2p50 Com. Trip	BQC240-250
2p50-2p50 Com. Trip	BQC250-250

CAT. NO.
BQC225-2115
BQC230-2115
BQC230-2120
BQC240-2115
BQC240-2120
BQC250-2115
BQC250-2120
BQC215-215
BQC220-220
BQC220-230
BQC220-240
BQC220-250
BQC225-225
BQC230-230
BQC230-240
BQC230-250
BQC240-240
BQC240-250
BQC250-250

For replacement in enclosures manufactured prior to 1968 with unnotched stabs.

120/240 VAC Duplex^③
12 per Shelf Carton, 48 per 17 Lb. Carton

120/240 VAC Quadplex Type BRD^④
6 per Shelf Carton, 24 per 18 Lb. Carton

120/240 VAC Quadplex Type BRDC^④
6 per Shelf Carton, 24 per 18 Lb. Carton

AMPS	CAT. NO.
15-15	BR15-15
15-20	BR15-20
20-15	BR20-15
20-20	BR20-20
30-30	BR30-30

AMPS	CAT. NO.
2p15-2p15	BR415
2p20-2p20	BR420
2p30-2p30	BR430
2p30-2p40	BRD230-240
2p30-2p50	BRD230-250

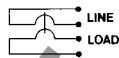
AMPS	CAT. NO.
2p15-2p15 Com. Trip	BRDC215-215
2p30-2p30 Com. Trip	BRDC230-230
2p30-2p40 Com. Trip	BRDC230-240
2p30-2p50 Com. Trip	BRDC230-250

AMPS	CAT. NO.
2p15-2p15 Com. Trip	BRDC215-215
2p30-2p30 Com. Trip	BRDC230-230
2p30-2p40 Com. Trip	BRDC230-240
2p30-2p50 Com. Trip	BRDC230-250

SPECIAL APPLICATION BREAKERS

Water Heater Breakers

2 Pole, 120/240 VAC
10,000 AIC
6 per Shelf Carton
24 per 15 Lb. Package

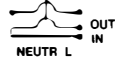


With Isolated Line Terminals for Separately Mounted Water Heaters
Requires 2 Spaces

AMPS	CAT. NO.
15	BRWH215
20	BRWH220
30	BRWH230

Switching Neutral Breakers

2 Pole, 120 VAC
10,000 AIC
6 per Shelf Carton
24 per 15 Lb. Package



With Switching Neutral Pole for Gas Stations
Requires 2 Spaces

AMPS	CAT. NO.
15	BRSN215
20	BRSN220
30	BRSN230

Delta 240V Breakers

2 Pole, 240 VAC
10,000 AIC
6 per Shelf Carton
24 per 16 Lb. Package



Where Voltage Exceeds 120 Volts to Ground
Requires 2 Spaces

AMPS	CAT. NO.
15	BR215H
20	BR220H
30	BR230H
40	BR240H
50	BR250H
60	BR260H
70	BR270H

Non-Automatic Molded Case Switches

2 Pole, 240 VAC
3 Pole, 240 VAC



For Use as Disconnect
Contains No Magnetic Trip Properties

AMPS	POLES	CAT. NO.
50	2	BR250NA
60	2	BR260NA
100	2	BR2100NA
225	2	BJ2225NA
100	3	BR3100NA
225	3	BJ3225NA

① All breakers 15 amp and above UL Listed.
② Switching duty rated.
③ Two of 1 Pole takes 1 Space

④ Two of 2-pole 240V takes 2 spaces



Circuit Breaker Ratings and Terminal Data

TYPE	AMP RATING	FED SPEC	UL LISTED INTERRUPTING CAPACITY		TERMINAL DATA			
			W-C-375b	120/240 VAC	240 VAC	TERM TYPE	WIRE TYPE 60/75°C	NO.	AWG RANGE
BD	15-50	10a, 11a, 12a	10000					
BQ	15-50	10a, 11a, 12a	10000					
BR	15-125	10a, 11a, 12a	10000					
BRH	15-125	14a, 14b	22000					
BRHH [Ⓛ]	15-125	14a, 14b	42000		PRESSURE	CU/AL	1	(15-50A) #4-#14 BD, BQ (15-30A) #8-#14 BR (40-50A) #4-#10 BR (50-125A) #1/0-#8 BR
BJ	125-225	12a, 12b	10000	10000				#2-300 MCM (125&225A) BJ
BJH	125-225	14a, 14b	22000	22000				
BJHH [Ⓛ]	125-225	14a, 14b	42000	42000				
DA	250-400	14a, 14b		22000	TA400DA1 [Ⓛ]	CU/AL	2	#3/0-250 MCM
DK	125-400	21a		65000	TA400K [Ⓛ]	CU/AL	2	#3/0-250 MCM
LA600	500-600	21a		42000	TA600LA [Ⓛ]	CU/AL	2	250-500 MCM
MA	600-800	21a		42000	TA800MA2 [Ⓛ]	CU/AL	3	#3/0-400 MCM
NB	700-1200	21a		42000	TA1200NB1 [Ⓛ]	CU/AL	4	#4/0-500 MCM
PB	600-1600	25a		125000	CONNECTOR	CU/AL	4	#1/0-750 MCM
GFCB	15-30	10a, 11a, 12a	10000		PRESSURE	CU/AL	1	15-20A #8-14
GFCBH	15-30	10a, 11a, 12a	22000					30A #4-14

[Ⓛ] BRHH & BJHH breakers are special application breakers for OP meter centers
[Ⓛ] See Alternate Terminals table at right

Current Carrying Capacities of Conductors

Not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C (86°F)

Ampacities of Insulated Conductors

Size	Temperature Rating of Conductor, See Table 310-13								Size
	60°C (140°F)	75°C (167°F)	85°C (185°F)	90°C (194°F)	60°C (140°F)	75°C (167°F)	85°C (185°F)	90°C (194°F)	
AWG	TYPES †RUW, †T, †TW, †UF	TYPES †FEPW, †RH, †RUH, †THW, †THWN, †XHHW, †USE, †ZW	TYPES V, MI	TYPES TA, TBS, SA, AVB, SIS, †FEPB, †RH, †HHN, †XHHW [†]	TYPES †RUW, †T, †TW, †UF	TYPES †RH, †RUH, †THW, †THWN, †XHHW, †USE	TYPES V, MI	TYPES TA, TBS, SA, AVB, SIS, †RH, †HHN, †XHHW [†]	AWG
Copper									
18	.....	.....	18	14	.....	.....	.....	.....	.....
16	.....	.....	18	18	.....	.....	.....	.....	.....
14	20†	20†	25	25†	.....	.....	.....	.....	.....
12	25†	25†	30	30†	20†	20†	25	25†	12
10	30	35†	40	40†	25	30†	30	35†	8
8	40	50	55	55	30	40	40	45	8
6	55	65	70	75	40	50	55	60	6
4	70	85	95	95	55	65	75	75	4
3	85	100	110	110	65	75	85	85	3
2	95	115	125	130	75	90	100	100	2
1	110	130	145	150	85	100	110	115	1
0	125	150	165	170	100	120	130	135	0
00	145	175	190	195	115	135	145	150	00
000	165	200	215	225	130	155	170	175	000
0000	195	230	250	260	150	180	195	205	0000
250	215	255	275	290	170	205	220	230	250
30	240	28	310	320	190	230	250	255	300
350	260	310	340	350	210	250	270	280	350
400	280	335	365	380	225	270	295	305	400
500	3 0	3 80	415	430	260	310	335	350	500
600	3 5	420	460	475	285	340	3 0	385	600
700	385	460	500	520	310	375	405	420	700
750	400	475	515	535	320	385	420	435	750
800	410	490	535	555	330	395	430	450	800
900	435	520	565	585	355	425	465	480	900
1000	455	545	590	615	375	445	485	500	1000
1250	495	590	640	665	405	485	525	545	1250
1500	520	625	680	705	435	520	565	585	1500
1750	545	650	705	735	455	545	595	615	1750
2000	560	665	725	750	470	560	610	630	2000

Ampacity Correction Factors

For ambient temperatures other than 30°C, multiply the ampacities shown above by the appropriate factor shown below.

Ambient Temp. °C	.82	.88	.90	.91	.88	.90	.91	.87-104
31-40	.82	.88	.90	.91	.88	.90	.91	87-104
41-45	.71	.82	.85	.87	.71	.82	.85	105-113
46-50	.58	.75	.80	.82	.58	.75	.80	114-122
51-60	.....	.58	.67	.71	.....	.58	.67	123-141
61-70	.....	.35	.52	.58	.....	.35	.52	142-158
71-80	.....	.....	.30	.41	.....	.30	.41	159-176

[†]The overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes, for 10 AWG copper; or 15 amperes for 12 AWG and 25 amperes for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied.
[†]For dry locations only. See 75°C column for wet locations.

ALTERNATE TERMINALS

BRKR	TERMINAL	WIRE TYPE	NO.	AWG RANGE
DA	TA350DA	CU/AL	1	250-500 MCM
DK	TA350K	CU/AL	1	250-500 MCM
LA600	TA600LA	CU/AL	2	250-500 MCM
MA	TA700MA1	CU/AL	2	#1-500 MCM
NB	TA1201NB1	CU/AL	3	500-750 MCM

Consult factory for details on above alternate terminals.

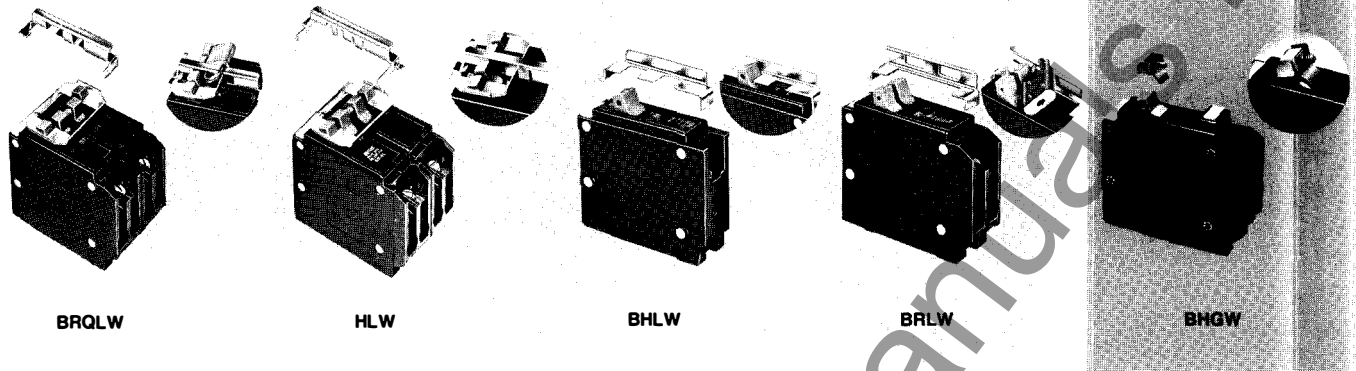
Maximum Number of Conductors in Trade Sizes of Conduit or Tubing (Based on Table 1, Chapter 9)

Conduit Trade Size (Inches)	Type Letters												
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	
TW, T, RUH, RUW, XHHW (14 thru 8)	14	9	15	25	44	60	99	142					
	12	7	12	19	35	47	78	111	171				
	10	5	9	15	26	36	60	85	131	176			
	8	2	4	7	12	17	28	40	62	84	108		
RHW and RHH (without outer covering), THW	14	6	10	16	29	40	65	93	143	192			
	12	4	8	13	24	32	53	76	117	157			
	10	4	6	11	19	26	43	61	95	127	163		
	8	1	3	5	10	13	22	32	49	66	85	133	
TW, T, THW, RUH (6 thru 2), RUW (6 thru 2)	6	1	2	4	7	10	16	23	36	48	62	97	141
	4	1	1	3	5	7	12	17	27	36	47	73	106
	3	1	1	2	4	6	10	15	23	31	40	63	91
	2	1	1	2	4	5	9	13	20	27	34	54	78
	1	1	1	1	3	4	6	9	14	19	25	39	57
FEPB (6 thru 2), RHW and RHH (without outer covering)	0	1	1	2	3	5	8	12	16	21	33	49	
	00	1	1	1	3	5	7	10	14	18	29	41	
	000	1	1	1	2	4	6	9	12	15	24	35	
	0000	1	1	1	1	3	5	7	10	13	20	29	
	250	1	1	1	2	4	6	8	10	16	23		
	300	1	1	1	2	3	5	7	9	14	20		
	350	1	1	1	1	3	4	6	8	12	18		
	400	1	1	1	2	4	5	7	14	16			
	500	1	1	1	1	3	4	6	9	14			
	600				1	1	1	3	4	5	7	11	
	700				1	1	1	2	3	4	7	10	
	750				1	1	1	2	3	4	6	9	



www.electricalplanet.com

Circuit Breaker Accessories and Wire Ranges

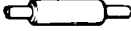


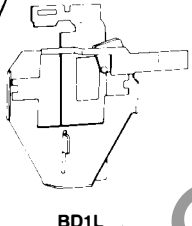


LOCKDOGS AND PADLOCK DEVICES

Three newly designed accessories provide positive, tamper-proof performance for circuit breakers installed in commercial, high-traffic and generally accessible areas. The **BHLW** and **HLW** lockdogs, the **BRLW** and **BRQLW** padlock devices are designed to hold the circuit breaker operating handle in the "ON" or "OFF" position. Protects critical operating circuits from unauthorized tampering or use. The load center cover holds these devices securely in place. Lockdogs and padlock devices do not defeat the trip function of the circuit breaker. (Padlock not supplied). Lockdog device can be reversed for "ON" or "OFF" handle position.

BASIC INSTALLATION INSTRUCTIONS:

1. Install and wire circuit breakers in accordance with N.E.C. and local codes.
2. Install **HLW**, **BHLW**, **BHGW**, **BRLW**, or **BRQLW** according to instructions with each item. **HLW** has break-off tabs that provide independent operation of inner or outer handles.
3. Punch-out appropriate "shingles" for circuit breaker handles in load center cover.
4. Secure cover to load center with cover screws. Items are now in place and cannot be removed.
5. For padlock devices, turn circuit breaker handle to the "on" or "off" position and install padlock.

	ITEM	DESCRIPTION	CAT. NO.	CAR-TON	STD PKG.
 BHT (THS-1 is similar)  THO-W  QHL  BD1L	HANDLE TIE	for adjacent poles of two Duplex breakers. SIMUL-TIE for outside poles of two Duplex breakers. for two of BR (1" per pole) breakers.	THS-1 THO-W BHT	5 1 5	50 30 50
	LOCKDOG	for BD Duplex, and BQ Quadplex water heater, and switching neutral breakers. Snap-on. for BR (1" per pole) BD Duplex and QP style breakers. for BRH 3p for single pole GFCB and GFEP breakers.	HLW BHLW QHL BHGW	10 1 1 1	100 25 10 25
	PADLOCK DEVICE	for BD Duplex breakers (padlock not included) for BQ Quadplex breakers for 1" BR (1" per pole, BD Duplex and QP style breakers).	BRDL BRQLW BRLW	1 1 1	10 10 10
	MECHANICAL INTERLOCK	Accessory for use with two adjacent BD Duplex Breakers which allows only one pair of poles to be in the "ON" position at any given time.	BD1L	1	10

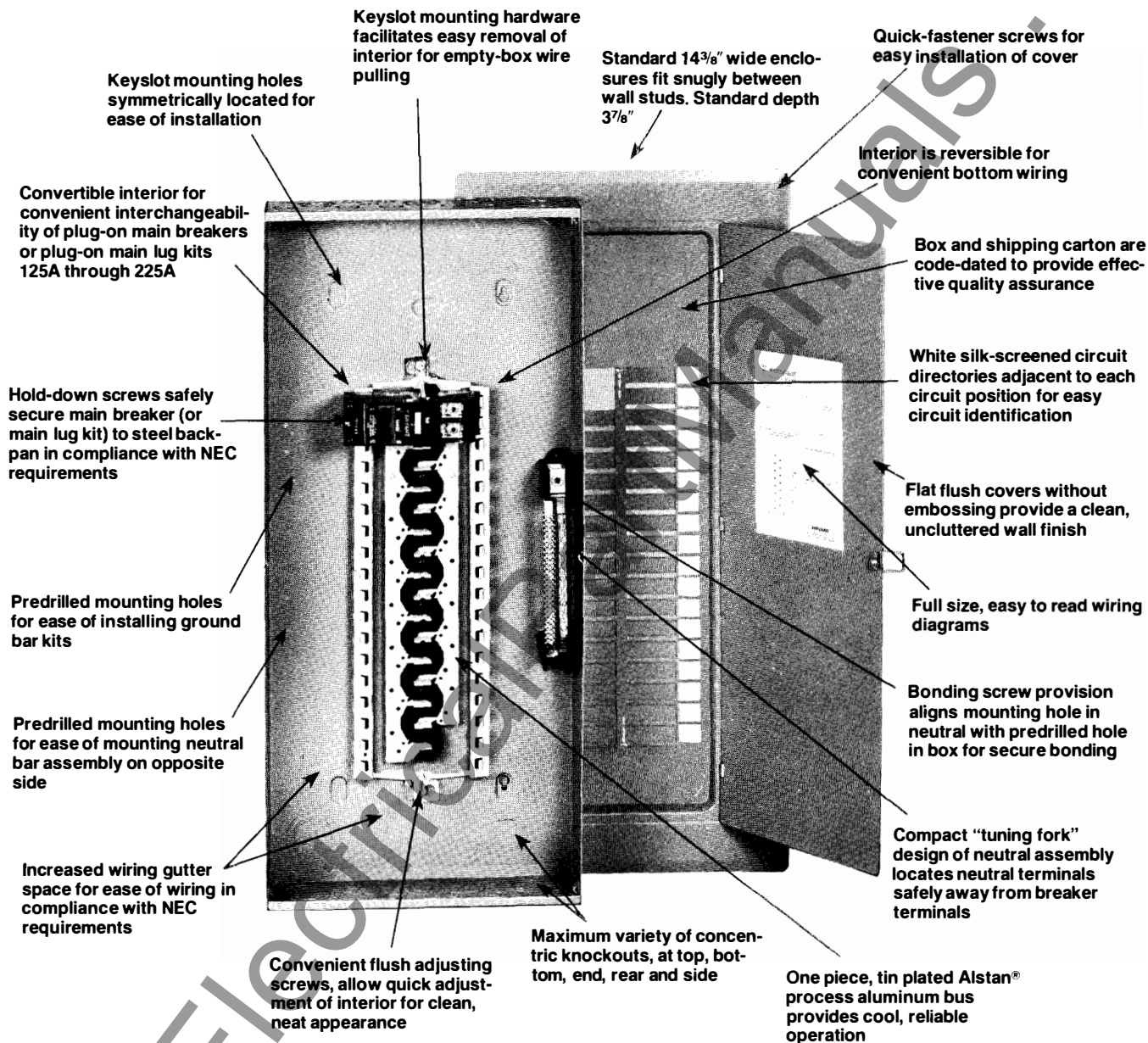
WIRE RANGES:

Circuit breaker load terminals are of the box lug type with screws backed off for ready insertion of wires. These terminals are listed with Underwriters Laboratories Inc. for the following wire ranges:

BREAKER AMPERE RATING	CATALOG PREFIX	AWG WIRE RANGES
10, 15, and 20	BD & BQ (Duplex & Quadplex) BR (1" per pole)	10-14 Cu, 10-12 Al 10-14 Cu, 8-12 Al
30, 40, and 50	BD & BQ (Duplex & Quadplex) BR (1" per pole)	6-10 Cu, 4-8 Al 4-14 Cu, 4-8 Al
60 and 70	BR QP	2-8 Cu, 2-6 Al 2-14 Cu/Al
90 and 100	BR QP	6-1/0 Cu, 4-1/0 Al 1-6 Cu/Al
125	BR	6-1/0 Cu Suitable for 1/0 Al on 1 phase 3 wire service
150, 200, and 225	BJ	2-300 MCM Cu/Al



Load Center Features and Catalog Number Interpretation Data

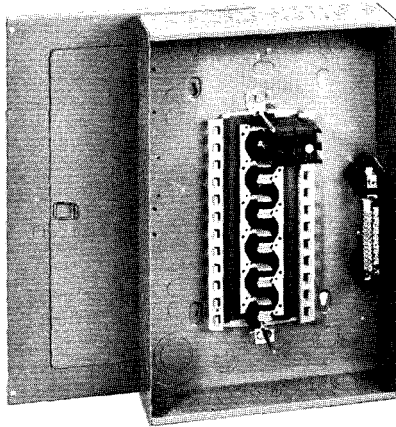


LOAD CENTER CATALOG INTERPRETATION DATA

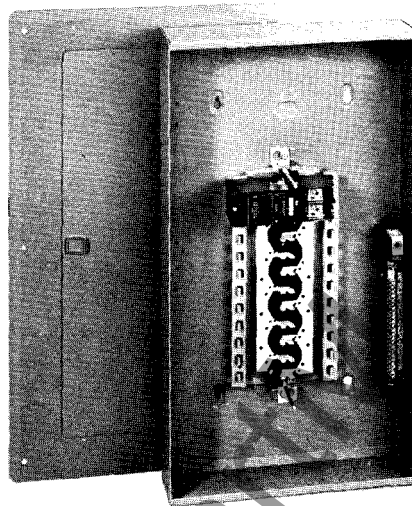
1ST	2ND	3RD	4TH	5TH	6TH	7TH	EXAMPLE									
PHASE IDENTIFIES 3 PHASE ONLY	MAINS IDENTIFIES MAIN BREAKERS ONLY	MAX. NO. 1" BRANCH CIRCUITS TYPE BR BRKRS.	MAX. NO. POLES AVAILABLE	MAX. AMPACITY OF MAINS	ENCLOSURE MODEL TYPE	SPECIAL FEATURE	3	B	42	42	B	SN				
3 - 3 phase - Single phase	B Main Breaker 10000 AIC BH Main Breaker 22000 AIC - Main Lugs	2 Circuits 6 Circuits 8 Circuits 10 Circuits 12 Circuits 16 Circuits 20 Circuits 24 Circuits 30 Circuits 40 Circuits 42 Circuits	4 Poles 12 Poles 16 Poles 20 Poles 24 Poles 30 Poles 32 Poles 40 Poles 42 Poles	- 30A - 50A - 100A K 125A A 150A B 200A C 225A DD 300A D 400A E 600A	Nema I FN Flush SN Surface Nema 3R RON Hub Class RIN Hub Class	G. Ground Bus	3 phase	Main Breaker 10KAIC	42 1" BR spaces	42 max. poles	200A Main Rating	Surface Mount NEMA 1				

Main Breaker Load Centers 1 Phase, 3 Wire 120/240 Volts AC 22,000 Amp Withstanding Rating

Box Style Nos. below refer to Dimension
and Knockout Data appearing on pgs 15-16.



B20-20SN



B20-40BSN



B20-20RON

MAIN RATING	MAIN BREAKER TYPE	NO. OF SPACES	MAX. NO. SINGLE POLES	INDOOR NEMA 1				RAINFOOF NEMA 3R					
				10,000 AIC		22,000 AIC●		CTN. WT.	BOX STYLE	10,000 AIC④		CTN. WT.	BOX STYLE
				CAT. NO.		CAT. NO.				CAT. NO.			
				FLUSH	SURFACE	FLUSH	SURFACE			FLUSH	SURFACE		
100A 6-1/0 Cu 4-1/0 Al	BR③	8	16	B8-16FN	B8-16SN	.....	.....	19	5	B8-16R0N	21	26
		12	20	B12-20FN	B12-20SN	BH12-20FN	BH12-20SN	19	5	B12-20R0N	22	26	
		16	20	B16-20FN	B16-20SN	BH16-20FN	BH16-20SN	21	6	B16-20R0N	25	27	
		20	20	B20-20FN	B20-20SN	BH20-20FN	BH20-20SN	23	7	B20-20R0N	26	28	
125A 6-1/0 Cu 4-1/0 Al	BR③	16	24	B16-24KFN	B16-24KSN	.....	.....	22	6	.....		
		20	24	B20-24KFN	B20-24KSN	.....	.....	24	7	B20-24KR0N	26	28
150A 2-2/0 Cu 2-3/0 Al	BJ①	16	30	B16-30AFN	B16-30ASN	BH16-30AFN	BH16-30ASN	26	8	B16-30AR0N	28	38	
		20	30	B20-30AFN	B20-30ASN	BH20-30AFN	BH20-30ASN	29	9	B20-30AR0N	33	39	
		24	30	B24-30AFN	B24-30ASN	BH24-30AFN	BH24-30ASN	31	10	.....		
		30	30	B30-30AFN	B30-30ASN	BH30-30AFN	BH30-30ASN	37	12	.....		
200A 2-3/0 MCM Cu Al	BJ●	16	32	B16-32BFN	B16-32BSN	.....	.....	26	8	.....		
		20	40	B20-40BFN	B20-40BSN	BH20-40BFN	BH20-40BSN	30	9	B20-40BR1N	33	32	
		24	40	B24-40BFN	B24-40BSN	BH24-40BFN	BH24-40BSN	32	10	B24-40BR1N	34	33	
		30	40	B30-40BFN	B30-40BSN	BH30-40BFN	BH30-40BSN	38	12	B30-40BR1N	43	35	
		40	40	B40-40BFN	B40-40BSN	BH40-40BFN	BH40-40BSN	44	13	B40-40BR1N	48	36	
42	42	B42-42BFN	B42-42BSN	BH42-42BFN	BH42-42BSN	47	14	B42-42BR1N	50	37			
225A (2)300 MCM Cu Al	BJ①	42	42	B42-42CFN	B42-42CSN	BH42-42CFN	BH42-42CSN	65	16	B42-42CR1N	70	41	
300A (2)3 0-250 MCM Cu Al	DA/DK④	30	42	—	—	B30-42DDFN	B30-42DDSN	100	21	B30-42DDR1N	115	46	
400A (2)3 0-250 MCM Cu Al	DA/DK④	42	42	—	—	B42-42DFN	B42-42DSN	120	22	B42-42DR1N	140	47	
600A (2)250-500 MCM Cu Al	LA	42	42	—	—	B42-42EFN	B42-42ESN	124	22	B42-42ER1N	140	47	

① BJH Main Breaker required for 22,000 AIC rating.

● 22,000 AIC rating maintained when Bryant 10,000 AIC branch breakers are used in conjunction with BRH or BJH breakers.

③ BRH Main Breaker required for 100A & 125A 22,000 AIC ratings.

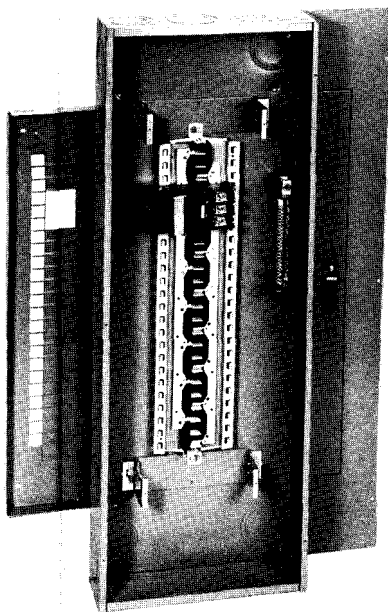
④ DK series C breakers will replace the DA standard breaker. Availability to be announced.



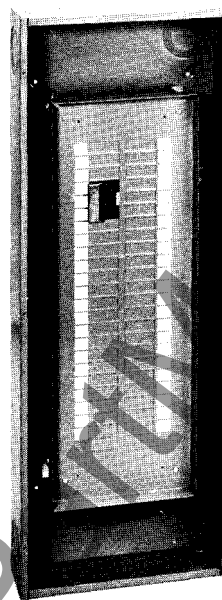
Main Breaker Load Centers

3 Phase, 4 Wire, 120/208 or 240 Volts AC
22,000 Amp Withstanding Rating

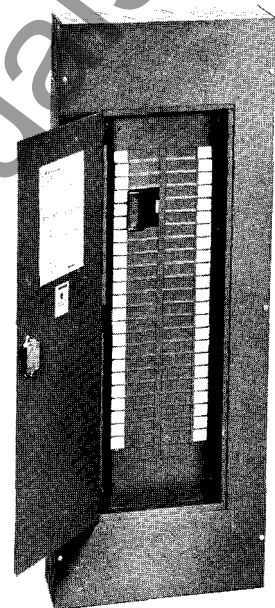
Box Style Nos. below refer to Dimension
and Knockout Data appearing on pgs 15-16.



3B42-42CSN



3B42-42CSN



3B42-42CSN

MAIN RATING	MAIN BREAKER TYPE	1" SPACES	MAX. NO. SINGLE POLES	INDOOR NEMA 1				RAINFOOF NEMA 3R				
				10,000 AIC		22,000 AIC ^②		10,000 AIC				
				FLUSH	SURFACE	FLUSH	SURFACE	CAT. NO.	CTN. WT.	BOX STYLE	CAT. NO.	CTN. WT.	BOX STYLE
100A 6-1/0 Cu 4-1/0 Al	BR●	12	24	3B12-24FN	3B12-24SN	3BH12-24FN	3BH12-24SN	22	6	3B12-24R0N	24	27
150A 2-2/0 Cu 2-3/0 Al	BJ ^①	30	42	3B30-42AFN	3B30-42ASN	3BH30-42AFN	3BH30-42ASN	39	12	3B30-42AR1N	45	35
200A 2-300 MCM Cu Al	BJ ^①	30	42	3B30-42BFN	3B30-42BSN	3BH30-42BFN	3BH30-42BSN	42	12	3B30-42BR1N	45	35
		42	42	3B42-42BFN	3B42-42BSN	3BH42-42BFN	3BH42-42BSN	49	14	3B42-42BR1N	52	37
225A (2)300 MCM Cu Al	BJ●	42	42	3B42-42CFN	3B42-42CSN	3BH42-42CFN	3BH42-42CSN	67	16	3B42-42CR1N	72	41
300A (2)3 0-250 MCM Cu Al	DA/DK ^④	30	42	—	—	3B30-42DDFN	3B30-42DDSN	110	21	3B30-42DDR1N	110	46
400A (2)3 0-250 MCM Cu Al	DA/DK ^④	42	42	—	—	3B42-42DFN	3B42-42DSN	120	22	3B42-42DR1N	120	47
600A (2)250-500 MCM Cu Al	LA	42	42	—	—	3B42-42EFN	3B42-42ESN	130	22	3B42-42ER1N	130	47

① BJH Main Breaker required for 22,000 AIC rating.

● 22,000 AIC rating maintained when Bryant 10,000 AIC branch breakers are used in conjunction with BRH or BJH breakers.

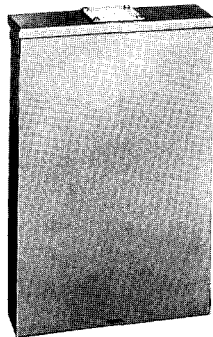
③ BRH Main Breaker required for 100A & 125A 22,000 AIC ratings.

④ DK series C breakers will replace the DA standard breaker. Availability to be announced.

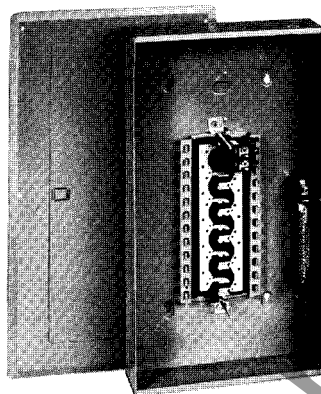
Main Lug Load Centers

1 Phase, 3 Wire, 120/240 Volts AC
22,000 Amp Withstand Rating

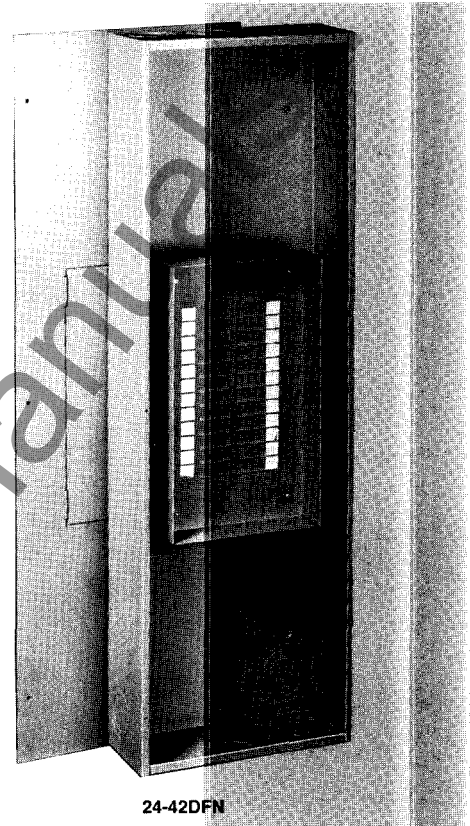
Box Style Nos. below refer to Dimension and Knockout Data appearing on pgs 15-16.



12-24BR1N



20-30AFN



24-42DFN

MAIN RATING	NO. OF SPACES	MAX. NO. SINGLE POLES	INDOOR NEMA 1 L = LESS DOOR				RAINFOOF NEMA 3R (FOR HUBS SEE PAGE 18)		
			CAT. NO.		CTN. WT.	BOX STYLE	CAT. NO.	CTN. WT.	BOX STYLE
			FLUSH	SURFACE					
30A 14-4 Cu Al	2	4	2-4-30FLN	2-4-30SLN	10 @ 26	1	N/A		N/A
60A 14-2 Cu Al	2	4	2-4-60FLN	2-4-60SLN	5 @ 22	2	2-4-60RON	5 @ 36	23
100A 6-1-0 Cu Al	6	12	S6-12FLN	S6-12SLN	12	4	S6-12RON	16	25
	6	12	S6-12FN	S6-12SN	13	4	N/A	...	N/A
	8	16	S8-16FLN	S8-16SLN	12	4	S8-16RON	16	25
	8	16	S8-16FN	S8-16SN	13	4	N/A	...	N/A
125A 14-2-0 Cu 8-30 Al	2	2	2125FLN	2125SLN	5 @ 37	3	2125RON	5 @ 43	24
	12	24	12-24FN	12-24SN	19	5	12-24RON	22	26
	16	24	16-24FN	16-24SN	22	6	16-24RON	24	27
	20	24	20-24FN	20-24SN	23	7	20-24RON	26	28
150A 14-2-0 Cu 8-3-0 Al	12	24	12-24AFN	12-24-ASN	21	7	12-24ARON	24	28
	16	30	16-30AFN	16-30ASN	24	8	16-30ARON	27	38
	20	30	20-30AFN	20-30ASN	28	9	20-30ARON	31	39
200A 1-0-300 MCM Cu Al	8	16					8-16BR1N	25	29
	12	24	12-24BFN	12-24BSN	22	7	12-24BR1N	25	30
	20	40	20-40BFN	20-40BSN	29	9	20-40BR1N	32	32
	24	40	24-40BFN	24-40BSN	32	10	24-40BR1N	32	33
	30	40	30-40BFN	30-40BSN	36	12	30-40BR1N	42	35
	40	40	40-40BFN	40-40BSN	44	13	40-40BR1N	47	36
42	42	42-42BFN	42-42BSN	44	14	42-42BR1N	48	37	
225A 6-300 MCM Cu Al			BJ2FN①	BJ2SN①	23	15	BJ2R1N●	29	40
225A 1-0-300 MCM Cu Al	42	42	42-42CFN	42-42CSN	65	16	42-42CR1N	72	41
400A (1) 4-0-750 MCM Cu/Al (2) 3-0-400 MCM Al (2) 3-0-300 MCM Cu	12	24	12-24DFN	12-24DSN	65	18	12-24DR1N	73	42
	24	42	24-42DFN	24-42DSN	70	20	24-42DR1N	85	44
	42	42	42-42DFN	42-42DSN	85	21	42-42DR1N	95	46
600A (2) 2-500 MCM Cu Al	42	42	42-42EFN	42-42ESN	85	17	42-42ER1N	95	45

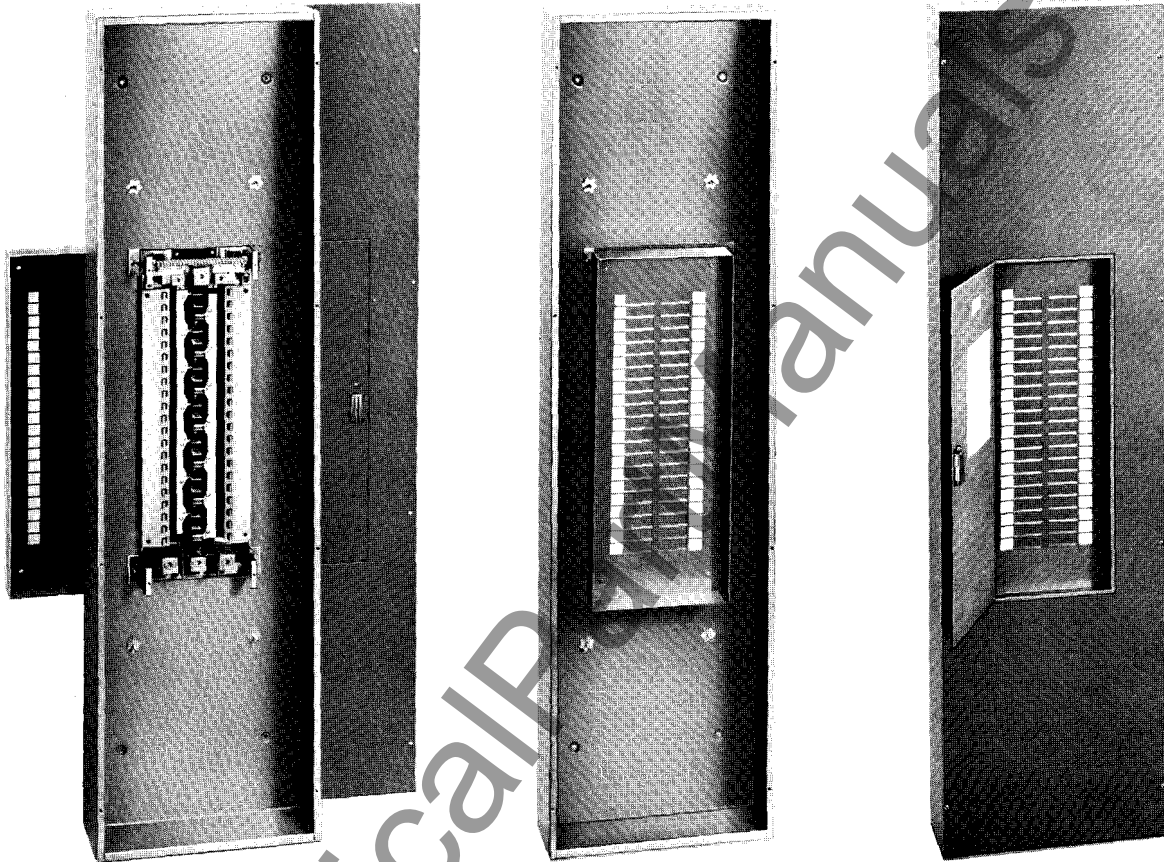
① Will accommodate one 2pBJ or one 2pBR breaker.



Main Lug Load Centers

3 Phase, 4 Wire, 120/208 or 240 Volts AC
22,000 Amp Withstand Rating

Box Style Nos. below refer to Dimension and Knockout Data appearing on pgs 15-16.

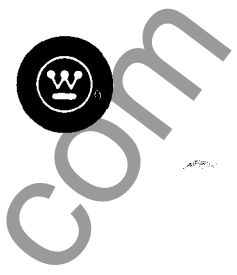


3-42-42ESN

3-42-42ESN

3-42-42ESN

MAIN RATING	NO. OF 1" SPACES	MAX. NO. SINGLE POLES	INDOOR NEMA 1 L = LESS DOOR			RAINFOOF NEMA 3R (FOR HUBS SEE PG. 18)			
			CAT. NO. FLUSH	CAT. NO. SURFACE	CTN. WT.	BOX STYLE	CAT. NO.	CTN. WT.	BOX STYLE
100A 14-1-0 Cu Al	3	3	3100FLN	3100SLN	5 @ 37	3	3100RON	5 @ 44	24
125A 14-2-0 Cu Al 8-3-0 Al	12	24	3-12-24FN	3-12-24SN	21	6	3-12-24RON	24	27
150A 14-2-0 Cu 9-3-0 Al 8-3-0 Al	18 24	36 42	3-18-36AFN 3-24-42AFN	3-18-36ASN 3-24-42ASN	29 33	9 11	3-18-36AR1N 3-24-42AR1N	32 36	32 34
	12	24	3-12-24BFN	3-12-24BSN	25	8	3-12-24BR1N	28	31
	18	36	3-18-36BFN	3-18-36BSN	29	9	3-18-36BR1N	32	32
200A 1-0-300 MCM Cu Al	24 30 36 42	42 42 42 42	3-24-42BFN 3-30-42BFN 3-36-42BFN 3-42-42BFN	3-24-42BSN 3-30-42BSN 3-36-42BSN 3-42-42BSN	35 36 45 48	11 12 13 14	..... 3-30-42BR1N 3-42-42BR1N	..... 42 51	..... 35 37
225A 1-0-300 MCM Cu Al	42	42	BJ3FN 3-42-42CFN	BJ3SN 3-42-42CSN	24 67	15 16	BJ3R1N 3-42-42CR1N	30 74	40 41
400A (1) 4-0-750 MCM Cu Al (2) 3-0-400 MCM Al (2) 3-0-300 MCM Cu	18 24 42	36 42 42	3-18-36DFN 3-24-42DFN 3-42-42DFN	3-18-36DSN 3-24-42DSN 3-42-42DSN	70 80 90	19 20 21	3-18-36DR1N 3-24-42DR1N 3-42-42DR1N	80 90 100	43 44 46
600A (2) 2-500 MCM Cu Al	42	42	3-42-42EFN	3-42-42ESN	95	17	3-42-42ER1N	105	45



Mobile Home Panels
1 Phase, 3 Wire 120/240 Volts AC
Indoor NEMA 1 — Grounding Bar Installed

Box Style Nos. below refer to Dimension and Knockout Data appearing on pg 15.



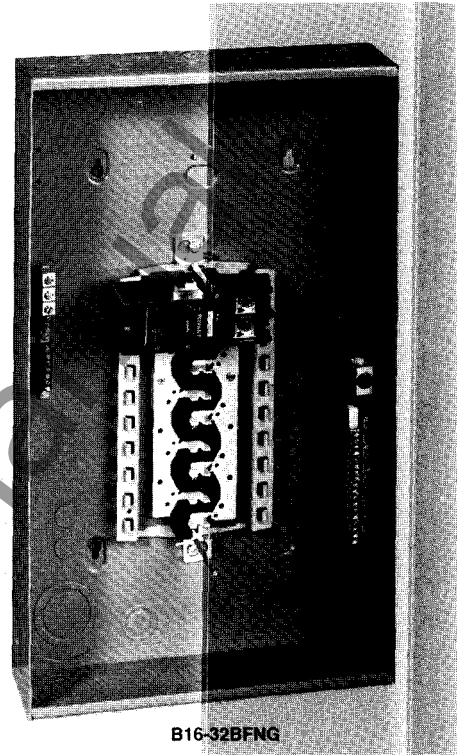
2-4-30SLNG



TT120SLNG



TT120FLNG



B16-32BFNG

MAIN BREAKER

MAIN RATING	NO. OF 1" SPACES	MAX. NO. SINGLE POLES	(L = Less Door, G = Ground Bar)			BOX STYLE NO.	GROUNDING BAR TERMINAL SIZE AND QUANTITY OF EACH FURNISHED			
			CAT. NO.		CTN. WT.		14-8 Cu, 12-8Al	14-4 Cu/Al	14-2 Cu/Al	14-1/0 Cu/Al
			FLUSH	SURFACE			14-8 Cu, 12-8Al	14-4 Cu/Al	14-2 Cu/Al	14-1/0 Cu/Al
100A	8	16	B8-16FNG	B8-16SNG	19	5	10	—	—	3
6-1/0 Cu	10	20	B10-20FNG	B10-20SNG	19	5	10	—	—	3
4-1/0 Al	12	20	B12-20FNG	B12-20SNG	19	5	10	—	—	3
150A	16	30	B16-30AFNG	B16-30ASNG	26	8	10	—	—	3
2-2/0 Cu										
2-3/0 Al										
200A	12	24	B12-24BFNG	B12-24BSNG	24	7	10	—	—	3
16	16	32	B16-32BFNG	B16-32BSNG	26	8	10	—	—	3
2-300MCM Cu/Al	20	40	B20-40BFNG	B20-40BSNG	30	9	10	—	—	3
	24	40	B24-40BFNG	B24-40BSNG	32	10	10	—	—	3

MAIN LUG

30A 14-4 Cu/Al	2	4	2-4-30 FLNG	2-4-30SLNG	10 @ 27	1	5	—	1	—
40A 14-8Cu/Al	3	1 Main 5 Branch	TT120FLNG (120 VAC)	TT120SLNG (120 VAC)	5 @ 21	2	5	—	1	—
60A 14-2 Cu/Al	2	4	2-4-60FLNG	2-4-60SLNG	5 @ 22	2	4	—	1	—
100A 6-1/0 Cu/Al	6 6 8 8	12 12 16 16	S6-12FLNG S6-12FNG S8-16FLNG S8-16FNG	S6-12SLNG S6-12SNG S8-16SLNG S8-16SNG	12 12 12 12	4 4 4 4	10 10 10 10	1 1 1 1	1 1 1 1	— — — —
125A 14-2/0 Cu 8-3/0 Al	12	24	12-24FNG	12-24SNG	19	5	10	—	—	3

GROUNDING BAR SYMBOLS AND MAX. WIRE SIZE All Terminals are listed by Underwriters' Laboratories, Inc.

☐ Rated for more than one wire per terminal:
(1) of 14-8 Cu or 12-8 A1
or (2) or 14-10 Cu or 12-10 A1
or (3) or 14-12 Cu or 12 A1

☐ One wire per Terminal max.
(1) 14-4 Cu/Al
☑ (1) 14-2 Cu/Al

☑ One wire per Terminal max.
(1) 14 1/0 Cu/Al



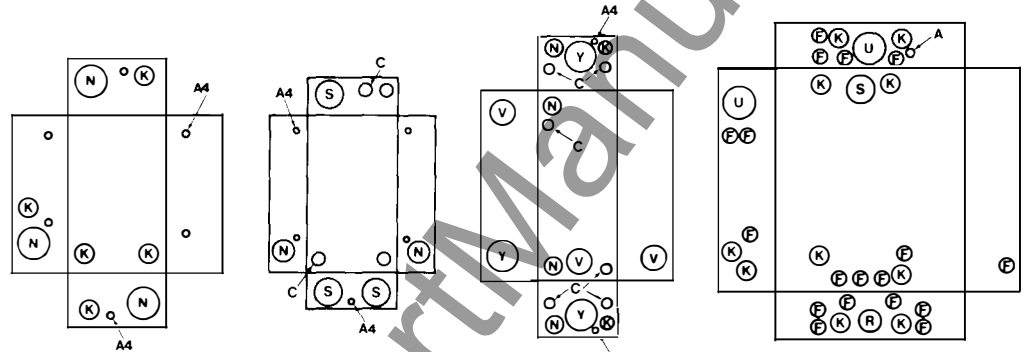
Load Center Dimensions and Knockout Data Indoor NEMA 1 Enclosures

INDOOR

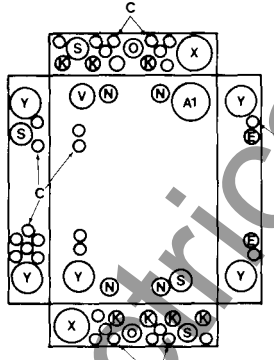
BOX STYLE	DIMENSIONS		
	H	W	D
1	7	4 ³ / ₈	2 ¹⁵ / ₃₂
2	10 ⁵ / ₈	6	2 ¹⁵ / ₃₂
3	15 ³ / ₈	6 ¹ / ₄	3 ¹³ / ₁₆
4	14 ¹ / ₈	12 ¹ / ₈	3 ⁹ / ₈
5	18	14 ³ / ₈	3 ⁷ / ₈
6	20	14 ³ / ₈	3 ⁷ / ₈
7	22	14 ³ / ₈	3 ⁷ / ₈
8	24	14 ³ / ₈	3 ⁷ / ₈
9	26	14 ³ / ₈	3 ⁷ / ₈
10	28	14 ³ / ₈	3 ⁷ / ₈
11	30	14 ³ / ₈	3 ⁷ / ₈
12	32	14 ³ / ₈	3 ⁷ / ₈
13	36	14 ³ / ₈	3 ⁷ / ₈
14	38	14 ³ / ₈	3 ⁷ / ₈
15	26 ¹ / ₄	11 ¹ / ₁₆	4 ⁵ / ₈
16	44	16 ⁷ / ₃₂	5 ¹ / ₁₆
17	44	16 ⁵ / ₃₂	6 ¹ / ₄
18	47	16 ⁵ / ₃₂	6 ¹ / ₄
19	50	16 ⁵ / ₃₂	6 ¹ / ₄
20	54	16 ⁵ / ₃₂	6 ¹ / ₄
21	60 ¹ / ₂	16 ⁷ / ₃₂	6 ⁵ / ₁₆
22	44	16 ⁷ / ₃₂	5 ¹ / ₁₆
23	60 ¹ / ₂	16 ⁷ / ₃₂	6 ⁵ / ₁₆
24	66 ¹ / ₂	16 ⁷ / ₃₂	6 ⁵ / ₁₆

KNOCKOUTS

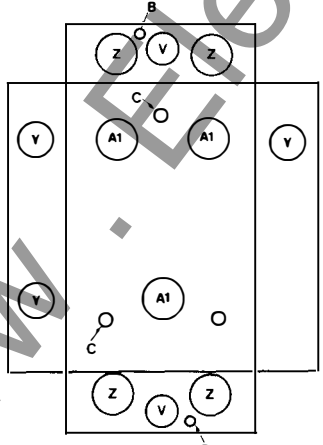
Letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A1	A2	A3	A4		
Conduit Size	1/4	3/8	1/2	9/16	3/4	7/8	1	1 1/4	1 1/2	2	1/2	1/4	3/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	1	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2 1/2	3	3 1/2
	...	...	...	...	...	...	...	...	...	...	3/4	1/2	1/2	3/4	1	2	2	1	1	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2 1/2	3	3 1/2
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1 1/2	...	2	2	...	2 1/2	...	...	...
	2 1/2	



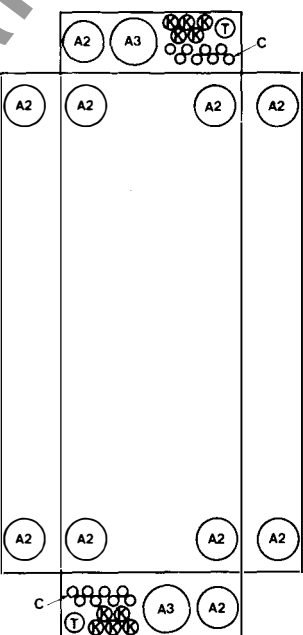
Box 1 Box 2 Box 3 Box 4



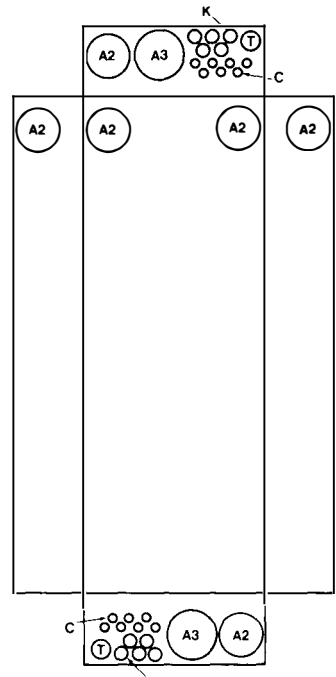
Box 5, 6, 7, 8, 9, 10, 11, 12, 13, 14



Box 15



Box 16, 17, 18, 19, 20, 21



Box 22, 23, 24



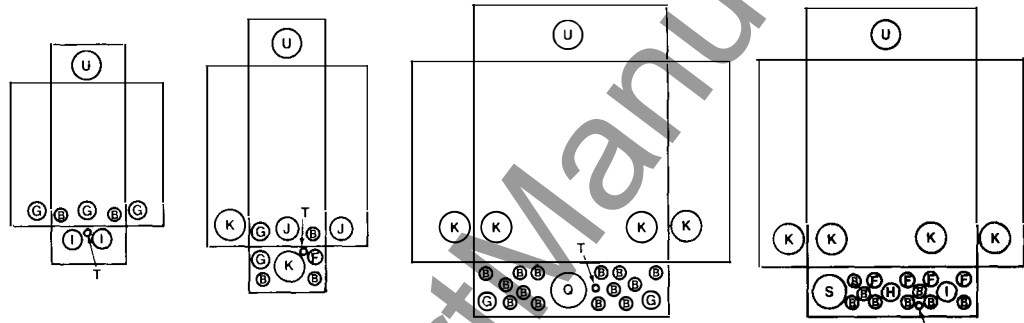
Load Center Dimensions and Knockout Data Rainproof NEMA 3R Enclosures

BOX STYLE	DIMENSIONS		
	H	W	D
23	13	6 ^{47/64}	3 ^{5/32}
24	15 ^{3/8}	6 ^{1/4}	4
25	15 ^{1/16}	12 ^{3/8}	4
26	18 ^{1/16}	14 ^{3/8}	4 ^{1/16}
27	20 ^{1/16}	14 ^{3/8}	4 ^{1/16}
28	22 ^{1/16}	14 ^{3/8}	4 ^{1/16}
29	22 ^{1/16}	14 ^{3/8}	4 ^{1/16}
30	22 ^{1/16}	14 ^{3/8}	4 ^{1/16}
31	24 ^{1/16}	14 ^{3/8}	4 ^{1/16}
32	26 ^{1/16}	14 ^{3/8}	4 ^{1/16}
33	28 ^{1/16}	14 ^{3/8}	4 ^{1/16}
34	30 ^{1/16}	14 ^{3/8}	4 ^{1/16}
35	32 ^{1/16}	14 ^{3/8}	4 ^{1/16}
36	36 ^{1/16}	14 ^{3/8}	4 ^{1/16}
37	38 ^{1/16}	14 ^{3/8}	4 ^{1/16}
38	24 ^{1/16}	14 ^{3/8}	4 ^{1/16}
39	26 ^{1/16}	14 ^{3/8}	4 ^{1/16}
40	26 ^{7/32}	12 ^{1/4}	5 ^{5/32}
41	44 ^{1/16}	16 ^{5/16}	5 ^{1/8}
42	44 ^{1/16}	16 ^{5/16}	6 ^{3/8}
43	47 ^{1/16}	16 ^{5/16}	6 ^{3/8}
44	50 ^{1/16}	16 ^{5/16}	6 ^{3/8}
45	54 ^{1/16}	16 ^{5/16}	6 ^{3/8}
46	60 ^{9/16}	16 ^{5/16}	6 ^{3/8}
47	66 ^{9/16}	16 ^{5/16}	6 ^{3/8}

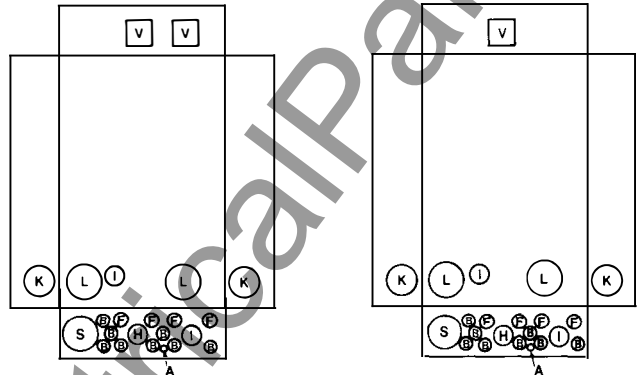
Letter

Conduit Size

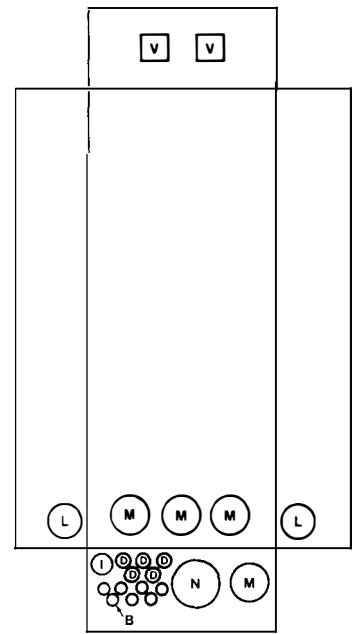
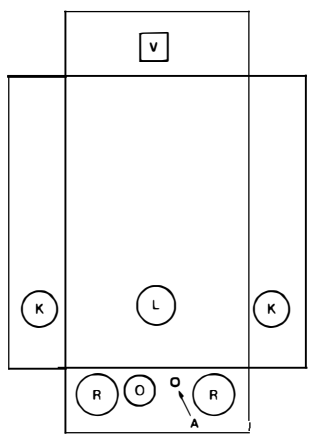
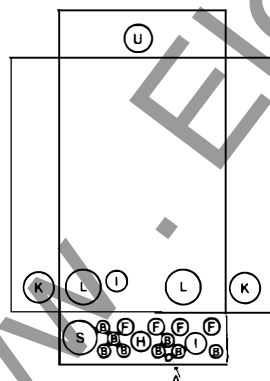
Letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Conduit Size	1/4	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2
Ground Wire or Nail KO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2" DIA. HOLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3" SQ. HOLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



Box 26, 27, 28



HUB TYPE	SIZE	TYPE HUB
U	3/4, 1, 1 1/4, 1 1/2, 2	ROH
V	2, 2 1/2, 3	RIH



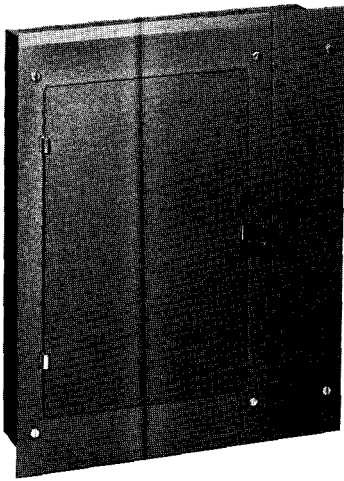
1, 42, 43, 44, 45, 46, 47

NOTE: "U" Hole accepts hubs — ROH075 (3/4"), ROH100 (1"), ROH125 (1 1/4"), ROH150 (1 1/2"), ROH200 (2")
 "V" Hole accepts hubs — RIH200 (2"), RIH250 (2 1/2"), RIH300 (3")

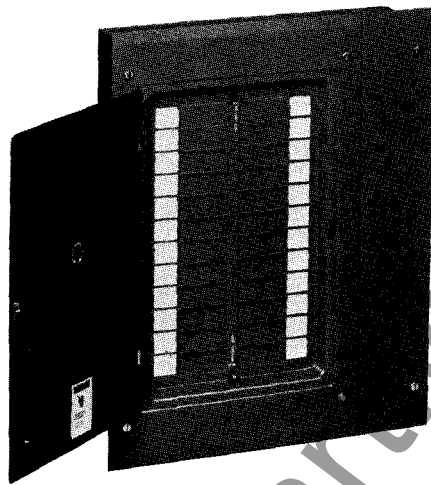


Riser and Feed-Thru Panels

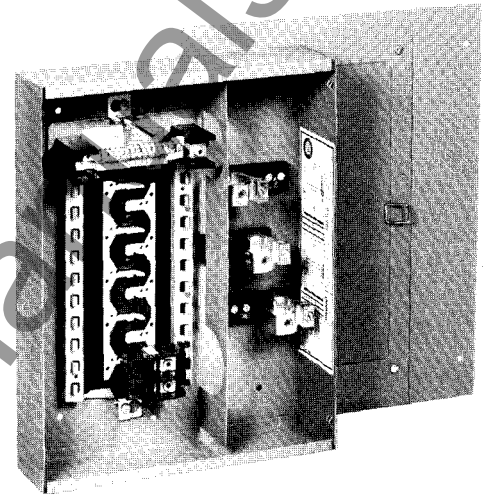
1 Phase, 3 Wire 120/240 Volts AC
22,000 Amp Withstand Rating^①



R16EM



R16EM



R16EM with gutter tap kit GT-250-0 installed

MAIN RATING	NO. OF 1" SPACES	MAX. NO. SINGLE POLES	INTERIOR ONLY		STANDARD DEPTH BOX ONLY ^②		STANDARD WIDTH FLUSH COVER ONLY	
			CAT. NO.	WT.	CAT. NO.	WT.	CAT. NO.	WT.
125A	8	16	R8-16IM	6	R8EM	10	R8FCM	9
14-2/0 Cu.	12	24	R12-24IM	6.5	R12EM	11	R12FCM	9
8-3/0 Al.	16	24	R16-24IM	7	R16EM	13	R16FCM	10
	20	24	R20-24IM	8	R20EM	15	R20FCM	12

MAIN RATING	NO. OF 1" SPACES	MAX. NO. SINGLE POLES	INTERIOR ONLY		EXTRA DEPTH BOX ONLY ^②		EXTRA WIDTH FLUSH COVER ONLY	
			CAT. NO.	WT.	CAT. NO.	WT.	CAT. NO.	WT.
125A	8	16	R8-16IM	6	RD8EM	15	RD8FCM	9.95
14-2/0 Cu.	12	24	R12-24IM	6.5	RD12EM	16	RD12FCM	9.5
8-3/0 Al.	16	24	R16-24IM	7	RD16EM	18	RD16FCM	10.5
	20	24	R20-24IM	8	RD20EM	20	RD20FCM	12.5

^①Requires BRH or BJH main which can be field-installed. Replaces main lug kit normally supplied with panel. 10,000 AIC requires BR or BJ main which can be field installed.
^②Standard Depth Box has 2 1/2" KO top and bottom — cannot be cut out for larger riser conduit. Extra Depth Box has 3 1/2" KO top and bottom — can be cut out to accommodate 4" riser conduit (four 750 MCM Al. feeders max). Bryant Gutter Tap Kits will not accommodate 750 MCM feeders.

CAT. NO.	WIRE RANGE — TAP AND FEEDER
GT 250-0	Supports 3 of 14-1/0 Cu./Al. Taps from max. 250 MCM feeders.
GT 250-250	Supports 3 of 1/0-250 MCM Cu./Al. Taps from max. 250 MCM feeders.
GT 500-250	Supports 3 of 1/0-250 MCM Cu./Al. Taps from max. 500 MCM feeders.

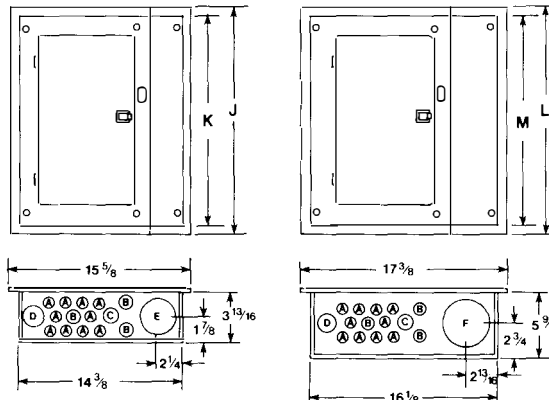


FIG.	K.O. DESIGNATION
A	1/2
B	1/2 x 3/4
C	1/2 x 3/4 x 1
D	3/4 x 1 x 1 1/4
E	1 1/2 x 2 x 2 1/2
F	2 1/2 x 3 x 3 1/2

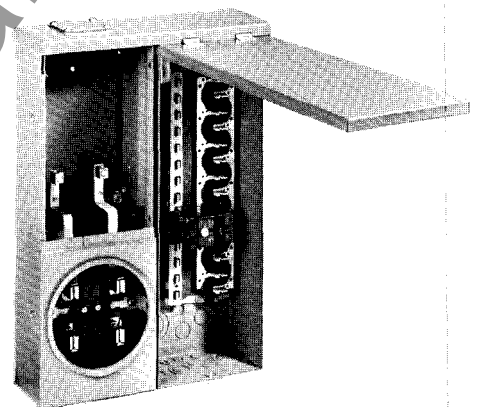
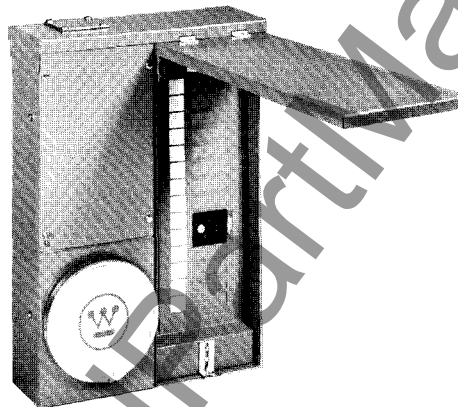
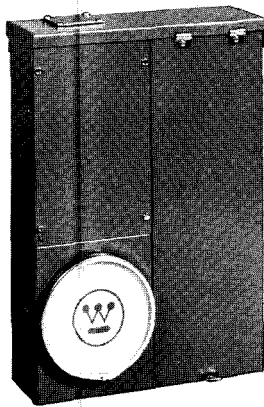
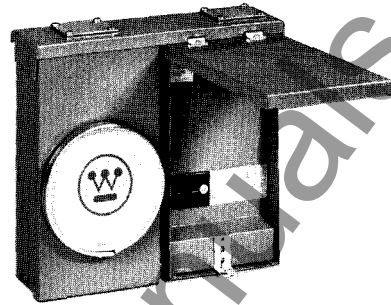
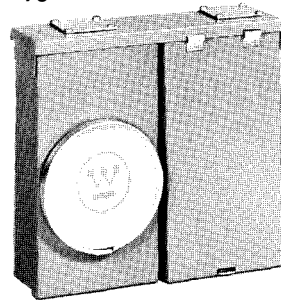
COVER CAT.	BOX CAT.	COVER CAT.	BOX CAT.
R8FCM 15 1/4	R8EM 14	RD8FCM 15 1/4	RD8EM 14
R12FCM 17 1/4	R12EM 16	RD12FCM 17 1/4	RD12EM 16
R16FCM 19 1/4	R16EM 18	RD16FCM 19 1/4	RD16EM 18
R20FCM 21 1/4	R20EM 20	RD20FCM 21 1/4	RD20EM 20



Meter Socket Panels

1 Phase, 3 Wire 120/240 Volts AC
Rainproof NEMA 3R — 22,000 AIC^①

Panel Style Nos. below refer to Dimension and Knockout Data appearing on pgs. 20-21.



OBN12-24RO

OBN12-24RO

OBN12-24RO

MAX. MAINS RATING	MAIN BREAKER INCLUDED	NO. OF 1" SPACES	MAX. NO. SINGLE POLES	SEMI-FLUSH CAT. NO.				SURFACE CAT. NO.					
				OVER-HEAD FEED	PANEL STYLE	UNDER-GROUND FEED	PANEL STYLE	CTN. WT.	OVER-HEAD FEED	PANEL STYLE	UNDER-GROUND FEED	PANEL STYLE	CTN. WT.
125A 14-2/0 Cu. 8-3/0 Al.	BR2100	NONE						UNBROM	1	UNBROM	1	18	
		2	2					UN2BROM	1	UN2BROM	1	19	
125A 14-1/0 Cu./Al.	NONE	4	4			UP2BLNFROM	3	25		UP2BLNFROM	6	25	
		Provision for one 2pBR				UPBLNFROM	3	25		UPBLNFROM	6	25	
200A 2-4/0 Cu./Al.	NONE	Provision for one 2pBJ or one 2pBR							UNBL20RO	12	UNBL20RO	12	24
		Provision for two 2pBR's				UP2BLN20FR	13	24		UP2BLN20R	16	24	
125A 14-1/0 Cu./Al.	BR2100	12	24	OBN12-24FR●	2	UBN12-24FR③	2	29	OBN12-24RO③	5	UBN12-24R③	7	29
		16	24	OBN16-24FR③	8	UBN16-24FR③	9	31	OBN16-24RO③	10	UBN16-24R③	11	31
125A 14-1/0 Cu./Al.	BR2125	12	24			UBN12-24KFR	4	8	OBN12-24KRO	5	UBN12-24KR	7	28
		16	24			UBN16-24KFR	9	31	OBN16-24KRO	10	UBN16-24KR	11	31
150A 2-4/0 Cu./Al.	BR2150	20	40	OBN20-40AFR	14	UBN20-40AFR	15	45	OBN20-40ARO	17	UBN20-40AR	16	42
200A 2-4/0 Cu./Al.	BJ2200	20	40	OBN20-40BFR	14	UBN20-40BFR	15	45	OBN20-40BRO	17	UBN20-40BR	16	45
		24	40							UBN24-40BPS④	19	45	

5TH AND 6TH JAW KIT

CATALOG NUMBER	DESCRIPTION	CARTON	STANDARD PKG.
MS5JK	For Meter Socket enclosures (UNBROM only) 125A max. 6 or 9 o'clock position	1	5

CURRENT TRANSFORMER INTERIOR

CATALOG NUMBER	DESCRIPTION	CARTON	STANDARD PKG.
UBN2440BPA	Interior for UBN2440BPS for Arizona Public Service	1	1

① Requires BRH or BJH available on special order.

② Provision for two 2pBR.

③ Field Convertible to 125A main breaker.

④ Meets Arizona Public Service requirements when used with UBN2440BPA Interior Kit for C. T. application.

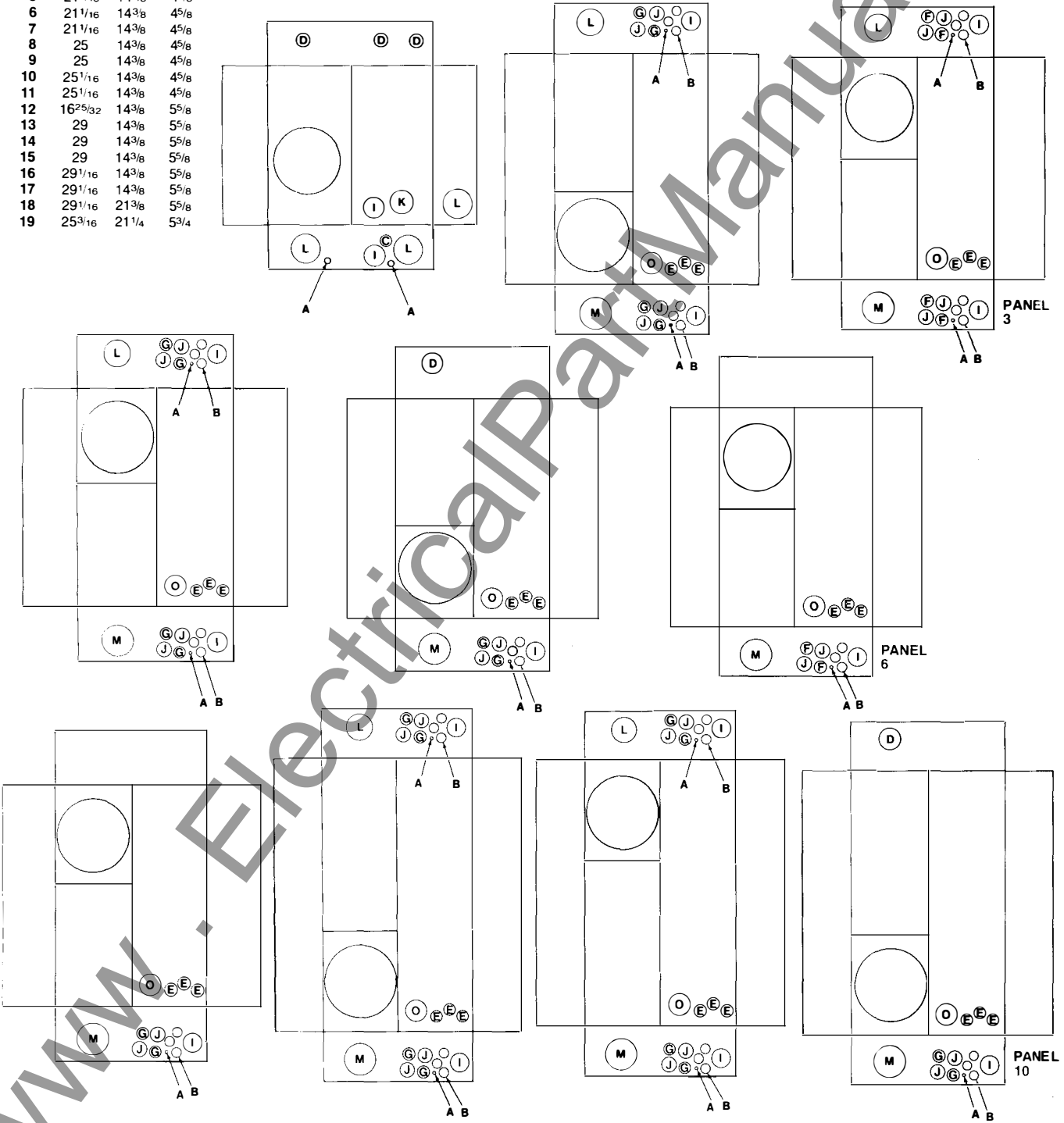
All enclosures having OB, UB and UP prefixes meet requirements of EUSER. UN prefix units meet EUSER requirements for overhead feed only.



Meter Socket Panel

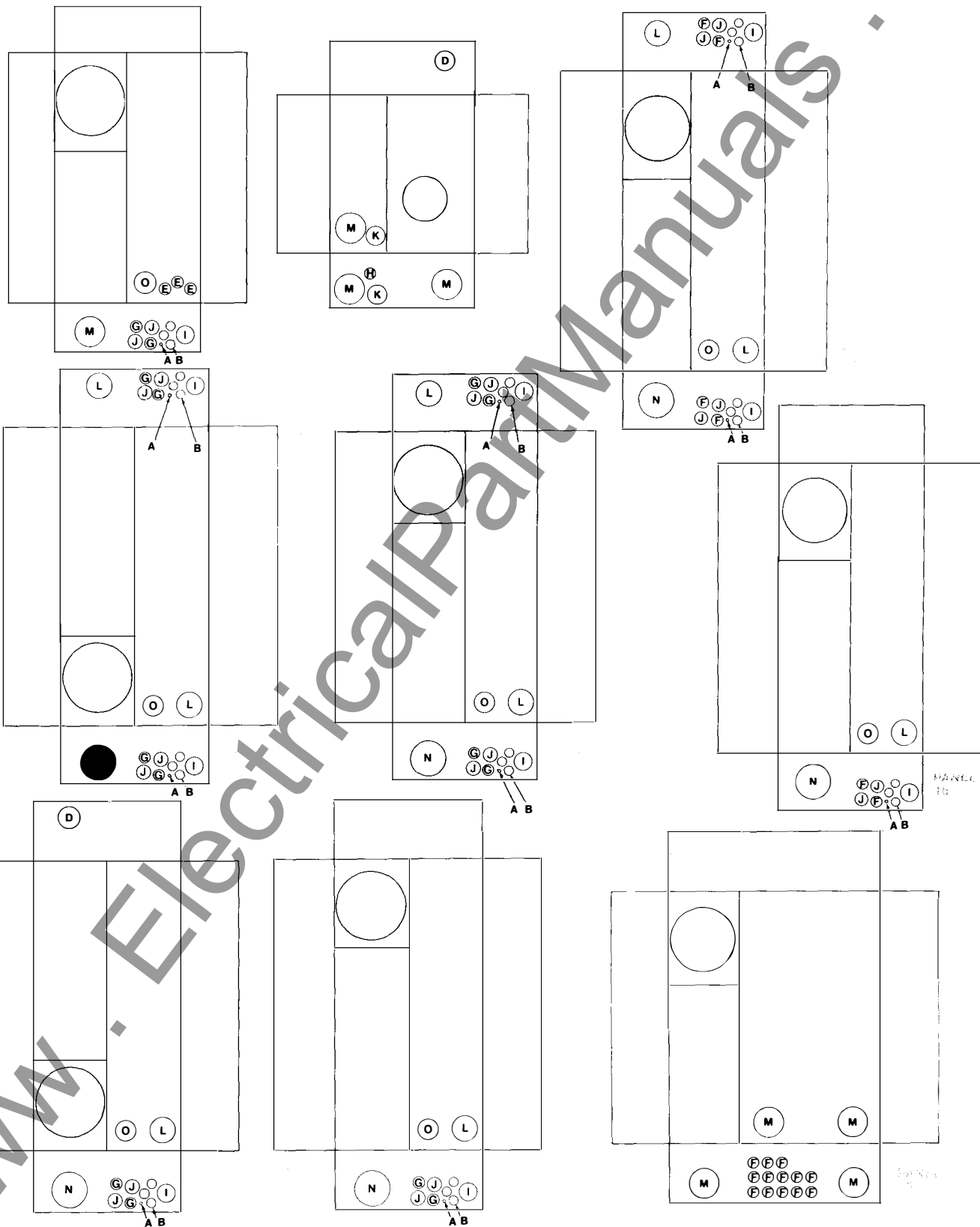
Dimensions and Knockout Data

PANEL STYLE	H	W	D	Letter															
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
				1/4	1/2	7/8	2 1/8	1/2	1/4	3/8	3/8	3/4	1/2	1	1 1/4	1 1/2	2	3/4	
				Conduit Size				3/4	1/2	1/2	1/2	1	3/4	1 1/4	1 1/2	2	2 1/2	3	1 1/4





Meter Socket Panel Dimensions and Knockout Data

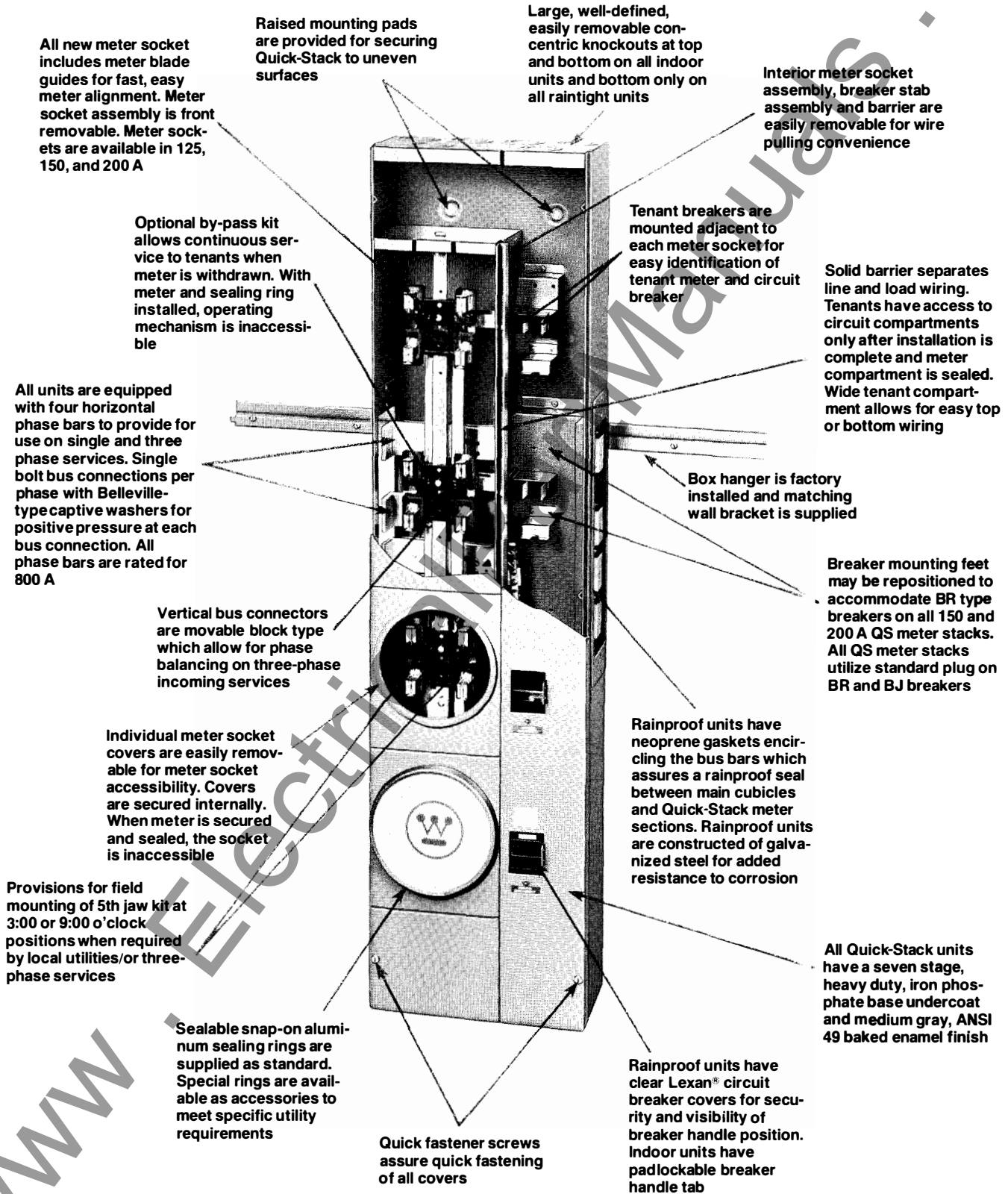


Panel No. 10

Panel No. 11



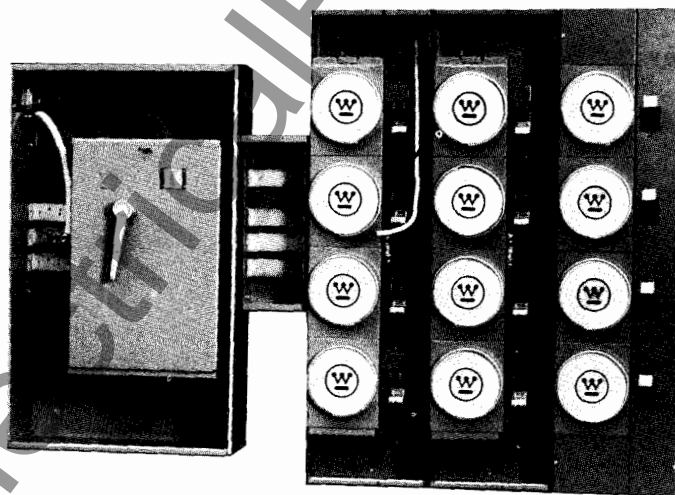
Quick-Stack Meter Center Features





Quick-Stack Meter Centers Meter Socket-Breaker Provision Stacks Use with 1 Phase or 3 Phase Service Cubicles

Dimension and Knockout Data appear on pg 28



MF6 with QSSKR spacer kit and QS-4 stack units

EACH STACK COMPLETE WITH 800 AMP, 4-WIRE CROSS-BUS
RATED: 1 Ø 3Ø 240 VAC MAX. ONLY CIRCUIT BREAKERS NOT INCLUDED

BREAKER METER- POSITIONS	WALL MOUNTING	125A MAX. CAT. NO.	150A MAX. CAT. NO.	200A MAX. CAT. NO.	CTN. WT.
2-high	Indoor	QS-2	QS-2A	QS-2B	35
	Outdoor	QS-2R	QS-2AR	QS-2BR	42
3-high	Indoor	QS-3	QS-3A	QS-3B	51
	Outdoor	QS-3R	QS-3AR	QS-3BR	60
4-high	Indoor	QS-4	QS-4A	QS-4B	60
	Outdoor	QS-4R	QS-4AR	QS-4BR	65
5-high	Indoor	QS-5	QS-5A	—	65
	Outdoor	QS-5R	QS-5AR	—	75
6-high	Indoor	QS-6	—	—	85
	Outdoor	QS-6R	—	—	90

SR1 snap type rings included with each socket position at no charge.



QSC Lever Bypass Meter Center Features

Solid barrier separates line and load wiring. Tenants have access to circuit compartments only after installation is complete and meter compartment is sealed.

Top end wall in outdoor enclosures are furnished with R1H type hub closer plates.

Meter Socket: Standard Duncan 5 Jaw HQ5SB and 7 Jaw HQ7 lever bypass socket assemblies with jaw release rated 200A continuous duty.

Raised mounting pads are provided for securing QSC Units to uneven surfaces

Breaker Provisions: Mounting provisions are provided for either 100A BR or 200A BJ plug on breakers 240V available in 10000 AIC or 22000 AIC ratings: All breaker mounting plates will accept standard main breaker hold down screws required by the NEC.

Circuit Breaker Compartment: Totally isolated from meter socket compartment with full width wire pulling access at top and bottom of section.

7 jaw sockets are factory connected for proper phase balance.

Systems Ratings: UL listed for applying on systems capable of delivering up to 100,000 RMS symmetrical amperes maximum short circuit current when applied with the appropriate QS main breaker or main fusible unit.

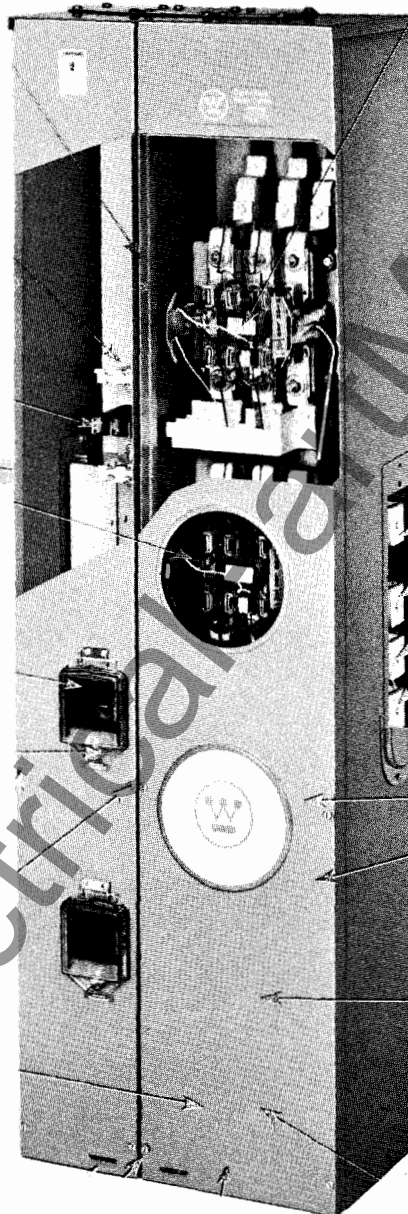
Indoor trim includes padlock tab for each breaker. Outdoor trim includes padlockable gasketed lexan breaker covers.

Quick fastener screws assure quick fastening of all covers

Ground Bus Provisions: Enclosure is pre-drilled for standard Ground Bus assemblies to be added at the bottom of each enclosure.

Knockouts: Large $2\frac{1}{2} \times 3 \times 3\frac{1}{2}$ Concentric Ring knockouts located in bottom end wall and in bottom rear of enclosure.

Indoor Enclosure: Individual ringless meter cover with provisions for a sealing wire on each cover plus a padlock tab for each cover which will accept a standard Utility pin-lock padlock device.



Wall Mounting Hardware: Box hanger is factory installed and matching wall bracket is supplied.

Horizontal Bus Bars: 800A 4WSN main horizontal bus assemblies with single bolt bus connection per phase bar and Captive Belleville-type positive pressure washers. Standard 800A Bus configuration compatible with any of the QS family of main cubicles and QS stacks.

Rainproof units have neoprene gaskets encircling the bus bars which assures a rainproof seal between main cubicles and QSC meter sections. Rainproof units are constructed of galvanized steel for added resistance to corrosion

Outdoor Enclosure: Raintite high security ringless single cover design with sealing wire lances, padlock tab and provisions for mounting one or two standard utility pin-type barrel locks. Single cover assures security and prevents moisture for seeping into live socket compartment.

All QSC units have a seven stage, heavy duty, iron phosphate base undercoat and medium gray, ANSI 49 baked enamel finish

Large $2\frac{1}{2} \times 3 \times 3\frac{1}{2}$ Concentric Ring knockouts located in the bottom rear of both indoor and outdoor enclosures. Indoor enclosures include knockouts in top and bottom endwalls. Outdoor enclosures include knockouts in bottom endwalls.

Barrel Lock Mounting Hardware: Single bolt mounting kit available for utility application requiring barrel-lock security. Cover marked with (+) location for drilling access hole for barrel lock, both on individual indoor covers and in 2 locations on the single outdoor cover.

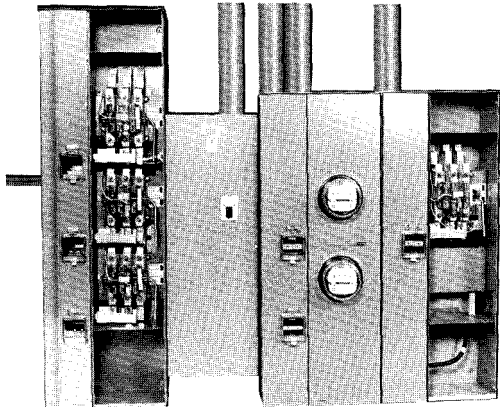
Neutral Terminals: Conveniently located at bottom of section to minimize crowding in wireway, and ease of installation.



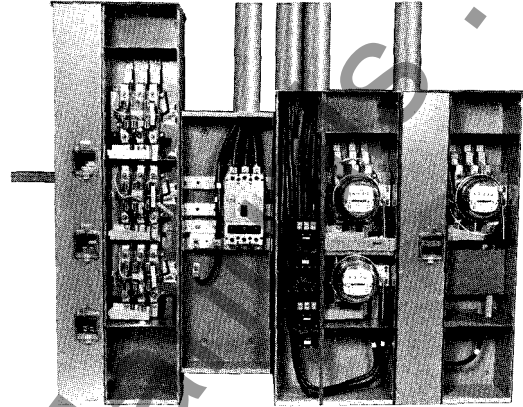


QSC Lever Bypass Meter Centers with Jaw Release

Dimensions and Knockout Data appear on pg 33.



QSC3CL3BR, M3B4RN, QSC3CL2BR, QS3CL1BR



BREAKER METER POSITION	WALL MOUNTING	200A MAX CAT. NO.	Ø BALANCE SOCKET POSITION TOP→BOTTOM	WIRING DIAGRAM (see pg 33)	CTN. WT.	STACK STYLE NO.
1-HIGH	Indoor	QSCL1B	BC	1	107	1
	Outdoor	QSCL1BR	BC	1	107	1R
2-HIGH	Indoor	QSCL2B	AB AC	2	116	2
	Outdoor	QSCL2BR	AB AC	2	116	2R
2-HIGH	Indoor	QSCL2BY	BC BC	3	116	2
	Outdoor	QSCL2BRY	BC BC	3	116	2R
3-HIGH	Indoor	QSCL3B	AB BC AC	4	145	3
	Outdoor	QSCL3BR	AB BC AC	4	145	3R
3-HIGH	Indoor	QSCL3BY	BC BC BC	5	145	3
	Outdoor	QSCL3BRY	BC BC BC	5	145	3R
1-HIGH	Indoor	QS3CL1B	ABC	6	107	1
	Outdoor	QS3CL1BR	ABC	6	107	1R
2-HIGH	Indoor	QS3CL2B	ABC ABC	7	116	2
	Outdoor	QS3CL2BR	ABC ABC	7	116	2R
3-HIGH	Indoor	QS3CL3B	ABC ABC ABC	8	145	3
	Outdoor	QS3CL3BR	ABC ABC ABC	8	145	3R

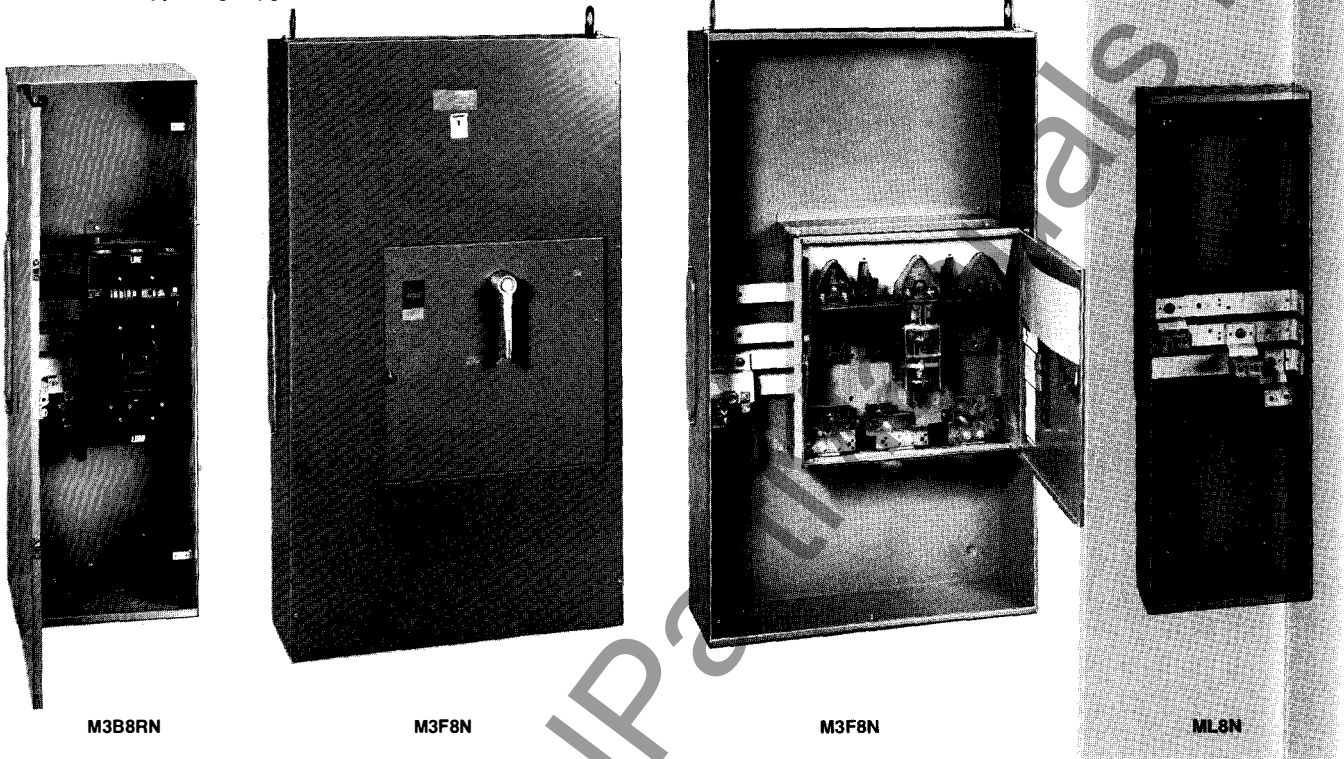
① Single phase type QS Main Breaker & Main Fusible Cubicles are factory connected to Phase B and Phase C Main Cross-Busses.

See page 32 for Schematics and Phase Balancing Data.



Quick-Stack Service Cubicles
1 Phase, 3 Wire 120/240 Volts AC
3 Phase, 4 Wire 120/208 Volts AC WYE

Cubicle Style Nos. below refer to Dimension and Knockout Data appearing on pgs 30-31.



MAIN RATING	WALL MOUNTING	MAINBREAKER (Breaker Included)						TERMINAL AND NEUTRAL WIRE SIZES PER PHASE	CIRCUIT BREAKER FRAME SIZE:
		1-PHASE CAT. NO.	CTN. WT.	CUBICLE STYLE	3-PHASE CAT. NO.	CTN. WT.	CUBICLE STYLE		
200A	Indoor	MB2N	31	9	M3B2N	33	9	(1) 2-300 MCM Cu/Al	BJ
	Outdoor	MB2RN	44	15	M3B2RN	49	15		
400A	Indoor	MB4N	56	10	M3B4N	60	10	(2) 3/0-250 MCM Cu/Al	DA/DK [Ⓞ]
	Outdoor	MB4RN	72	16	M3B4RN	72	16		
600A	Indoor	MB6N	80	11	M3B6N	82	11	(2) 250-500 MCM Cu/Al	LA
	Outdoor	MB6RN	100	17	M3B6RN	105	17		
800A	Indoor	MB8N	99	12	M3B8N	100	12	(2) 500-750 MCM Cu/Al	MA
	Outdoor	MB8RN	115	18	M3B8RN	120	18		
1000A	Indoor	MB10N	120	13	M3B10N	140	13	(4) 3/0-500 MCM Cu/Al	NB
	Outdoor	MB10RN	120	19	M3B10RN	140	19		
1200A	Indoor	MB12N	120	13	M3B12N	134	13	(4) 3/0-500 MCM Cu/Al	NB
	Outdoor	MB12RN	146	19	M3B12RN	150	19		
1600A	Indoor	MB16N	360	14	M3B16N	390	14	(4) 1/0-750 MCM Cu/Al	PB
	Outdoor	MB16RN	380	20	M3B16RN	410	20		

Ⓞ The DK Series C breaker will replace the DA Standard breaker. Availability to be announced.

	WALL MOUNTING	FUSIBLE SWITCH						TERMINAL AND NEUTRAL WIRE SIZES PER PHASE	WILL ACCEPT NEMA FUSE CLASS:
		1-PHASE CAT. NO.	CTN. WT.	CUBICLE STYLE	3-PHASE CAT. NO.	CTN. WT.	CUBICLE STYLE		
400A	Indoor	MF4N	175	1	M3F4N	180	1	(1) 3-600 MCM Cu/Al or (2) 1/0-3/0 Cu only or (2) 1/0-250 MCM Al only	H, R [Ⓞ] T [Ⓞ]
	Outdoor	MF4RN	175	3	M3F4RN	180	3		
600A	Indoor	MF6N	175	1	M3F6N	180	1	(2) 3-600 MCM Cu/Al or (4) 1/0-3/0 Cu only or (4) 1/0-250 MCM Al only	H, R [Ⓞ] T [Ⓞ]
	Outdoor	MF6RN	175	3	M3F6RN	184	3		
800A	Indoor	MF8N	310	2	M3F8N	320	2	(3) 4-600 MCM Cu/Al	L T [Ⓞ]
	Outdoor	MF8RN	360	4	M3F8RN	360	4		
1200A	Indoor	MF12N	320	2	M3F12N	360	2	(4) 4-600 MCM Cu/Al	L T [Ⓞ]
	Outdoor	MF12RN	360	4	M3F12RN	360	4		

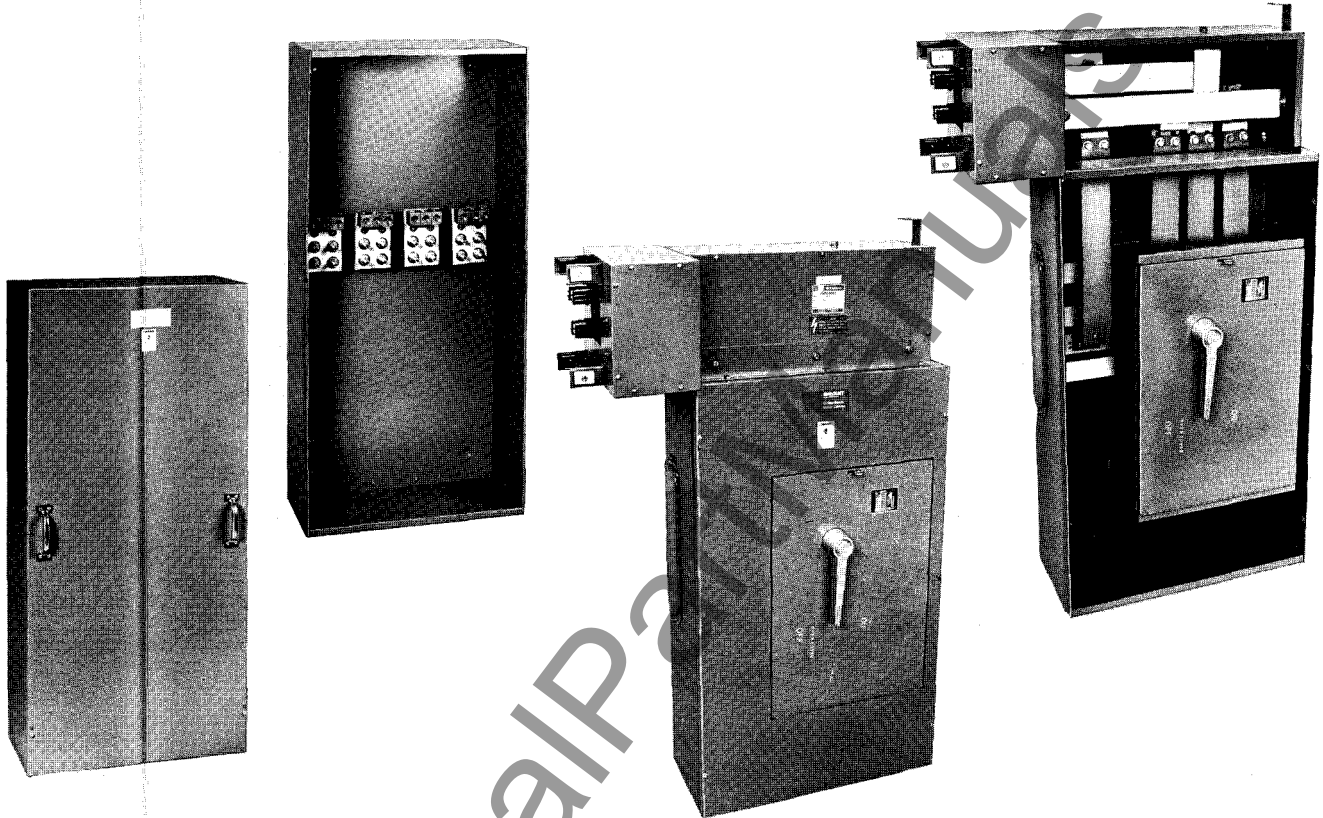
Ⓞ Adapter Kit available for NEMA Class R Fuses, or class T fuses, see page 29.

MAIN TERMINAL (Less bonding lug and strap. Order MLGK separately.)									
800A	Indoor	ML8N	55	5	M3L8N	68	5	(2) 4/0-750 MCM or (4) 3/0-400 MCM Cu/Al (4) 3/0-300 MCM Cu/Al	
	Outdoor	ML8RN	58	7	M3L8RN	70	7		
1600A	Indoor	ML16N	65	6	M3L16N	75	6	(4) 1/0-750 MCM Cu/Al	
	Outdoor	ML16RN	70	8	M3L16RN	85	8		



Quick-Stack Underground Pull Sections and Fusible Switches for Use with Westinghouse Bus Duct

Cubicle Style Nos. below refer to Dimension and Knockout Data appearing on pgs 30-31.



M3UP8N

M3F4T (shown connected to Pura-Way®
Right hand Bus Tap) Left hand tap is also available

UNDERGROUND PULL SECTION

MAIN RATING	WALL MOUNTING	1-PHASE		CTN. WT.	CUBICLE STYLE	3-PHASE		CTN. WT.	CUBICLE STYLE	TERMINAL AND NEUTRAL WIRE SIZES PER PHASE [Ⓢ]
		CAT. NO.	CTN. WT.			CAT. NO.	CTN. WT.			
400A	Indoor	MUP4N	50	21	M3UP4N	60	21	(1) 1/0-600 MCM Cu/Al or (2) 1/0-250 MCM Cu/Al		
	Outdoor	MUP4RN	60	21	M3UP4RN	60	21			
600A	Indoor	MUP6N	140	22	M3UP6N	140	22	(2) 2-500 MCM Cu/AL		
	Outdoor	MUP6RN	140	22	M3UP6RN	140	22			
800A	Indoor	MUP8N	140	22	M3UP8N	144	22	(3) 1-600 MCM Cu/Al or (6) 1/0-250 MCM Cu/Al		
	Outdoor	MUP8RN	140	22	M3UP8RN	150	22			
1200A	Indoor	MUP12N	170	23	M3UP12N	190	23	(4) 2-500 MCM Cu/Al		
	Outdoor	MUP12RN	170	23	M3UP12RN	190	23			

- Supplied without line lugs. 4" KO MAX (Meets EUESR requirements)
- Order MLGK separately.

FUSIBLE SWITCH (includes line side bus link extensions)

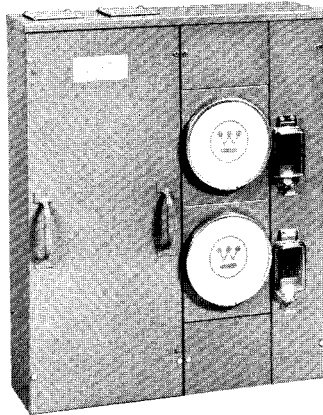
MAIN RATING	ENCLOSURE	3 PHASE CAT. NO.	CTN. WT.	PANEL STYLE
400A	Indoor	M3F4T	100	1
600A	Indoor	M3F6T	120	1

- Main Service cubicles may be applied with either left hand or right hand Bus Tap sections as required by building layout
- QS meter stacks may only be added to one side of the Fusible Switch. (side opposite the Bus Tap flange)
- Bus link extensions are installed and hardware is packed in the M3F4T, M3F6T units for shipment.
- The rear surface of the Main Service Cubicle aligns with the rear surface of the Bus Tap section.
- List price includes Bus link extensions only. This Bus Tap section must be priced separately with the bus duct.

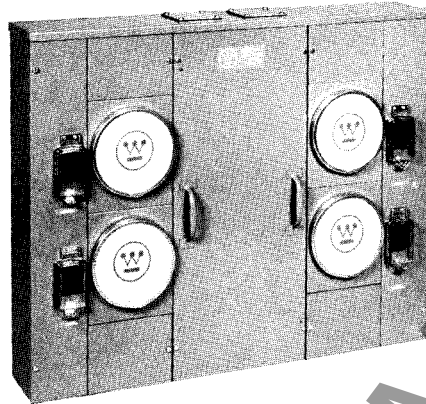
Quick-Pack Meter Centers

1 Phase, 3 Wire 120/240 Volts AC
22,000 Withstand Rating

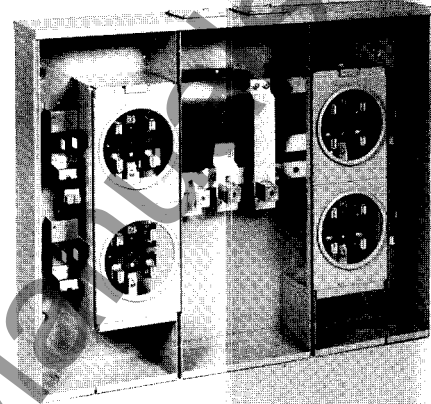
QP Style Nos. below refer to Dimension and Knockout Data appearing on pg 34.



QP2R1



QP4R1

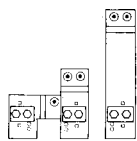


QP4R1 with main lug kit installed

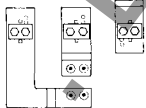
BREAKER METER- POSITIONS	MAIN RATING	SURFACE WALL MOUNTING	MAX BRANCH RATING		CTN. WT.	QP STYLE	MAX BRANCH RATING		CTN. WT.	QP STYLE	TERMINAL AND NEUTRAL WIRE SIZES PER PHASE
			125A CAT. NO.	200A CAT. NO.			125A CAT. NO.●	200A CAT. NO.●			
2	400A	Outdoor	QP2R1	QP2BR1	64	1	QP2WR1	QP2WBR1	80	1	See Quick-Pack Main Lug Kits Table below
3	400A	Outdoor	QP3R1	QP3BR1	80	1	QP3WR1	QP3WBR1	80	1	
4	400A	Outdoor	QP4R1	QP4BR1	96	2	QP4WR1	QP4WBR1	110	2	
5	600A	Outdoor	QP5R1	QP5BR1	120	2	QP5WR1	QP5WBR1	120	2	See Quick-Pack Main Lug Kits Table below
6	600A	Outdoor	QP6R1	QP6BR1	120	2	QP6WR1	QP6WBR1	120	2	

SR1 snap type rings included with each socket position at no charge.
Select circuit breakers shown on page 5. Select Main Lug Kits from table below.
● Meets EUSER requirements

● 22,000 AIC rating maintained with BRH or BJH Tenant main breakers. 42,000 AIC rating maintained with BRHH or BJHH Tenant main breakers. See System Short Circuit Rating table page 29.



OVERHEAD FEED



UNDERGROUND FEED



STUD MOUNTING KIT

MAIN
RATING

200A
400A

600A

200A

400A

600A

600A

CAT. NO.
OVERHEAD FEED

QPMLKOH200
QPMLKOH400

QPMLKOH600

UNDERGROUND FEED

QPMLKUG200

QPMLKUG400

QPMLKUG600

STUD MOUNTING KIT

QPMCK6

TERMINAL AND NEUTRAL
WIRE SIZES PER
PHASE

(1) #6-300MCM Cu/Al
(1) 4/0-750 Cu/Al or
(2) 3/0-400 MCM Al
(2) 3/0-300 MCM Cu
(2) #2-500 MCM Cu/Al or
(1) #2-500 MCM Cu/Al
(1) #2-600 MCM Cu/Al

(1) #6-300 MCM
(1) 4/0-750 Cu/Al or
(2) 3/0-400 Al
(2) 3/0-300 Cu
(2) #2-500 MCM Cu/Al or
(1) #2-500 MCM Cu/Al
(1) #2-600 MCM Cu/Al

Utility Furnished
Compression Type Lugs



Meter Center Accessories and System Short Circuit Rating Table

SPACER KIT

CAT. NO.	DESCRIPTION
QSSKR	For additional clearance between service cubicle and right-hand mounted meter socket-breaker sections. NEMA-3R.

CLASS R FUSE KIT FOR MF FUSIBLE SWITCH SERVICE CUBICLES

CAT. NO.	DESCRIPTION
RFK666	Adapts 400 and 600 Amp Fusible Switch Cubicles to accept only Class R Fuses.

MAIN TERMINAL EQUIPMENT GROUND LUG

CAT. NO.	DESCRIPTION
MLGK	(includes bonding strap.)

SEALING RINGS

CAT. NO.	DESCRIPTION
SR1	Snap Type Aluminum
SBR1	Bolt Type Aluminum
STSR1	Toggle Latch Stainless Steel

HUBS

CAT. NO.	HUB SIZE
R1H200	2
R1H250	2 1/2"
R1H300	3

CLASS "T" ADAPTER KIT FOR M FUSIBLE SWITCH SERVICE CUBICLES

RATING	1 PHASE CAT. NO.	3 PHASE CAT. NO.	DESCRIPTION
400A	FDP4T	3FDP4T	Converts MF, M3F, Fusible to Accept Class T Fuses
600A	FDP6T	3FDP6T	
800A	FDP8T	3FDP8T	
1200A	FDP12T	3FDP12T	

SYSTEM SHORT CIRCUIT RATING:

Use this table to select the right combination of metering equipment to meet the available fault current AIC requirements. The complete meter center assembly rating applies only with main and branch devices listed on the

CORNER SECTION

CAT. NO.	DESCRIPTION	CAR-TON	STD. PKG.
QSCS	QS Corner Section provides additional clearance between cubicle and stack units in corner installations. Corner to corner 14"	1	1

5TH AND 6TH JAW KIT

CAT. NO.	DESCRIPTION	CAR-TON	STD. PKG.
MM5JK	For Meter Centers (QP, QS) and UB, OB, UP. For use with 200 Amp. max. 3 and/or 9 o'clock positions	1	5

MANUAL BY-PASS KIT

CAT. NO.	DESCRIPTION	CAR-TON	STD. PKG.
MBPN	For QP and QS units only—200 Amp. max. For factory installation add \$2.00 list each	1	10

GROUND BAR KITS FOR QS STACKS (See pg. 18 for wire size)

CAT. NO.	NO. OF TERMINALS
GB3	3
GB3A	3
GB6A	6
GB6	6

Ⓞ QP Meter Centers have ground terminals included with neutral terminations in each breaker compartment

BARREL LOCK MOUNTING KIT

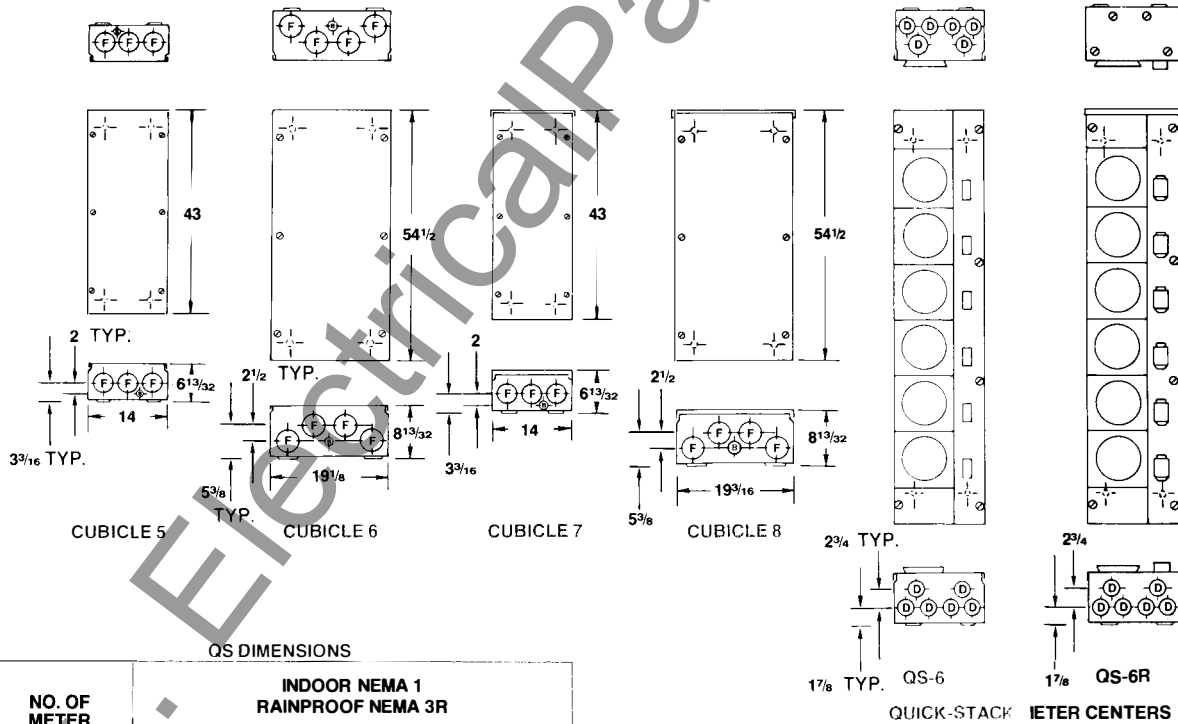
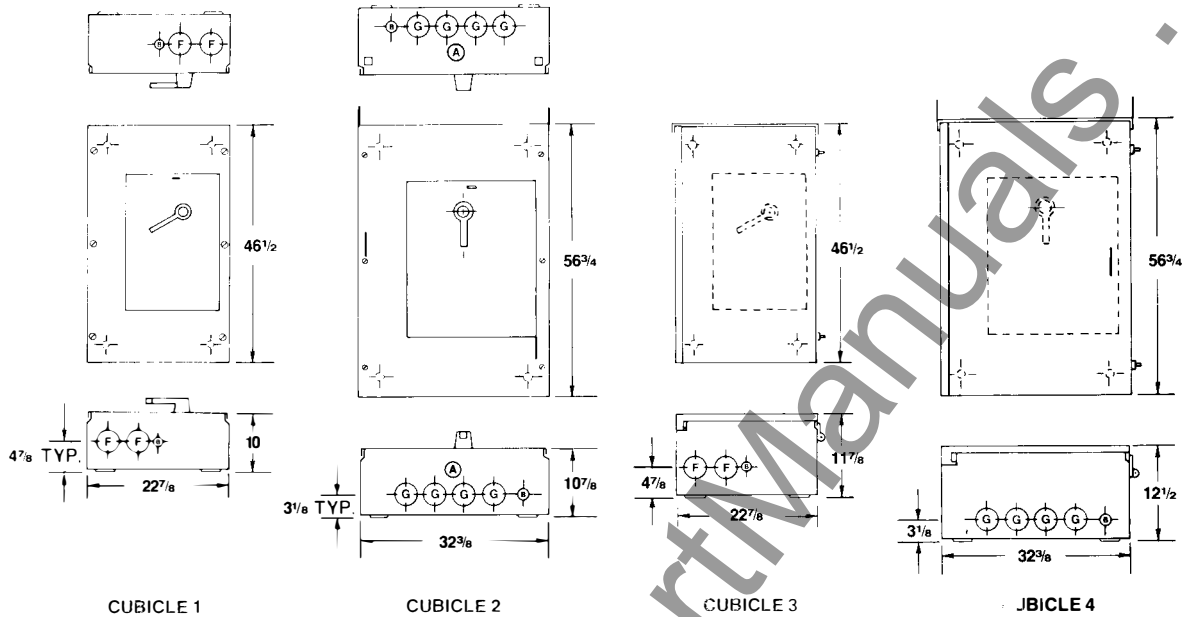
CAT. NO.	DESCRIPTION
BLK	For QSC Lever Bypass Meter Centers

Available Fault Current At Line Terminals of Assembly - RMS Symmetrical Amps @ 240 VAC Max.	Main Service Cubicle - Minimum Braker Frame Size Required	QS Stack - Tenant Main Breaker Required	Load Centers - Branch Breaker Required	Complete Meter Center Assembly Short Circuit Rating - RMS Symmetrical Amps @ 240 VAC Max.
To 10,000 A.	All standard MB, MF	BR, BJ	BR, BD, BQ	10,000 AIC
10,001 to 22,000 A.	All standard MB, MF or ML Cubicles except the MB2 series, which requires BJH2200 (special)	BRH, BJH except when used with MB2 series with BJH2200; then BR, BJ	BR, BD, BQ	22,000 AIC
22,001 to 42,000 A.	MB units with LA, LBB, MA, NB and PB Frame Breakers. All MF Units	BRH, BJH	BR, BD, BQ	42,000 AIC
22,001 to 65,000 A.	MB4 units with DK Series C breaker.	BRH, BJH	BRD, BD, BQ	65,000 AIC
42,001 to 65,000 A.	MB units with special HLA, HMA, HNB and standard PB Frame breakers. All MF Units	BRH (100 Ampere Max).	BR, BD, BQ	65,000 AIC
42,001 to 100,000 A.	MF units with Class T fuse and FDPT Adapter Kit	BRH, BJH	BR, BD, BQ	100,000 AIC
65,001 to 200,000 A.	MB units with LCL frame breakers 400A max.	BRH, BJH	BR, BD, BQ	200,000 AIC
To 10,000 A 10,001 to 22,000 A 22,001 to 42,000 A	N/A	QP Meter Center Tenant Main Breaker BR, BJ BRH, BJH BRHH, BJHH	BR, BD, BQ	10,000 A 22,000 A 42,000 A

All devices comply with the 22,000 AIC-10,000 AIC U.L. Series Connected Components file DKSY2 of the Recognized Components Index.



Quick-Stack Meter Center and Service Cubicle Dimensions and Knockout Locations



QS DIMENSIONS

NO. OF METER POSITION	INDOOR NEMA 1 RAINPROOF NEMA 3R		
	WIDTH	HEIGHT	DEPTH
2	12 1/8	29 1/4	6 3/8
3	12 1/8	38 1/4	6 3/8
4	12 1/8	47 1/4	6 3/8
5	12 1/8	56 1/4	6 3/8
6	12 1/8	65 1/4	6 3/8

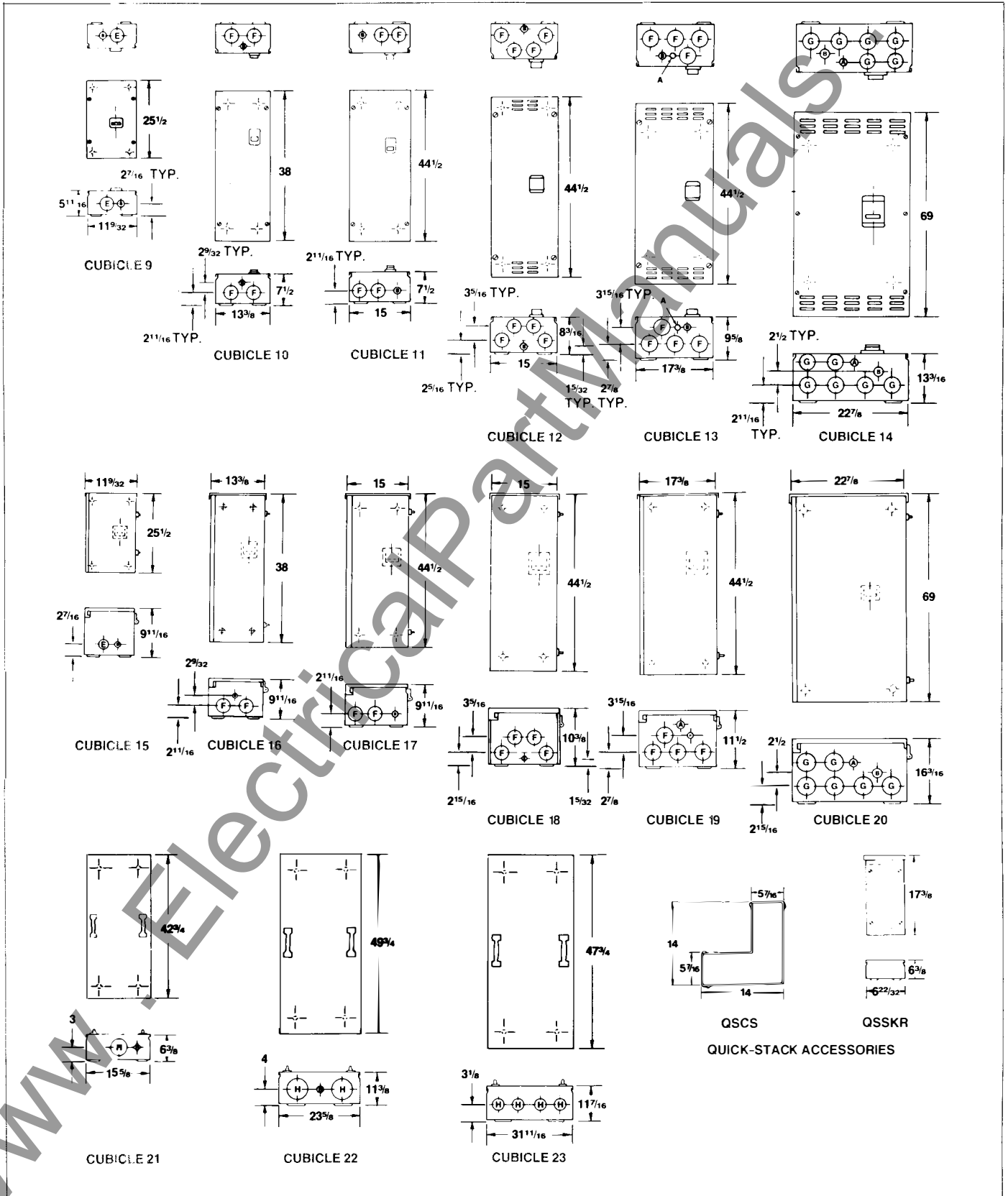
Top and Bottom are typical of all QS stack units.

KNOCKOUTS

Letter	A	B	C	D	E	F	G	H
Conduit Size	1/2	1/2	1	1	1 1/2	2	2 1/2	3
		3/4	1 1/4	1 1/4	2	2 1/2	3	3 1/2
		1	2	1 1/2	2 1/2	3	3 1/2	4

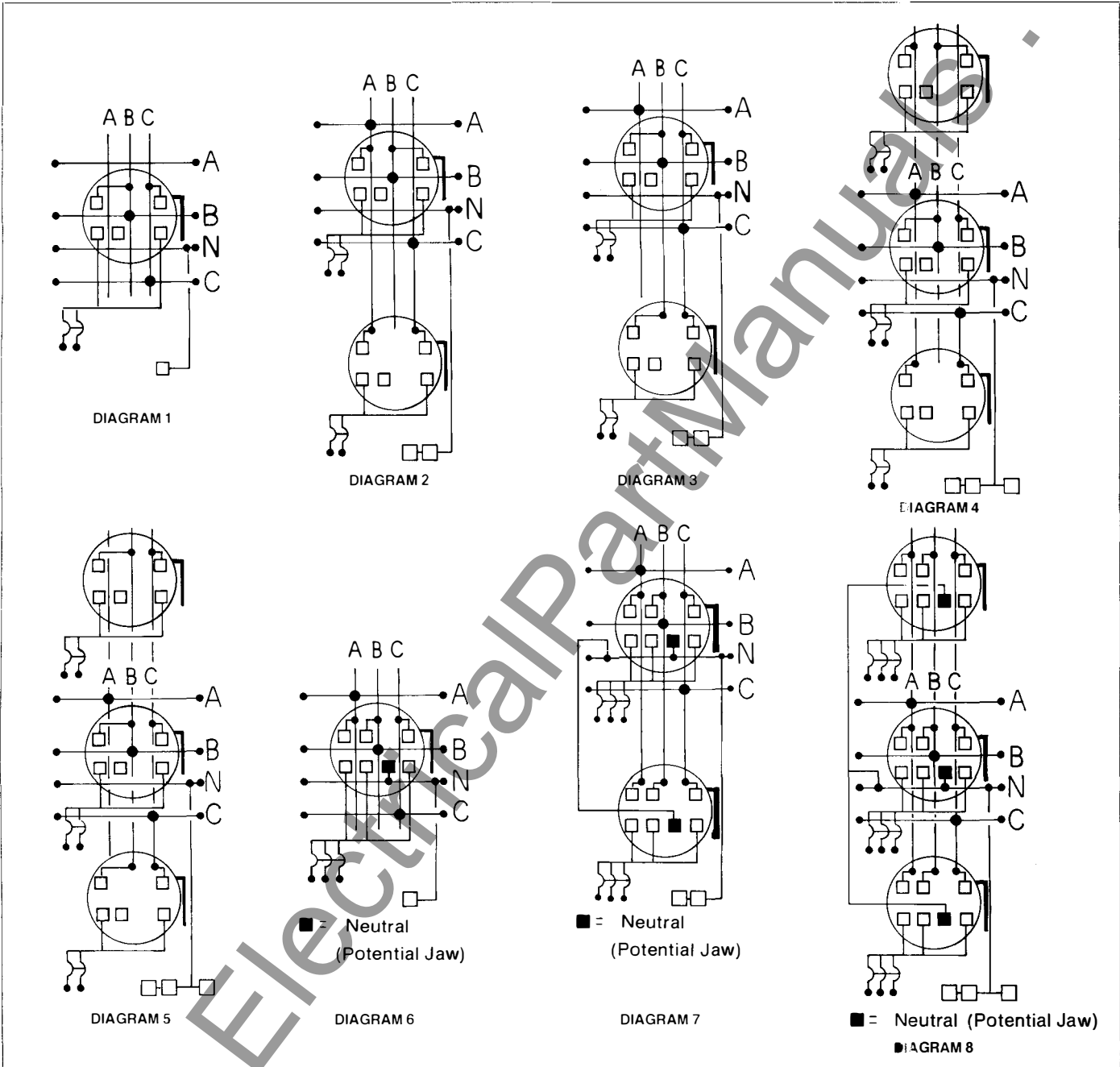


Quick-Stack Service Cubicle and Accessory Dimensions and Knockout Locations





QSC Lever Bypass Meter Center Schematics and Phase Balancing Data



SELECTION AND APPLICATION FOR PHASE BALANCING QSC METER STACKS

QSC stack selection for application of 5jaw single phase sockets on single phase 3wire and 3phase 4wire services.

QSC 5jaw socket stacks are factory-bussed and connected to the main cross-bus. By selecting the proper combination of stacks, the complete meter center will be properly balanced, distributing the individual metered loads evenly on the service bus. Selection is as follows:

1. If the service bus is single phase 3wire 240VAC MAX, apply only stacks with sockets connected to B-C. This will

coordinate them with any of the single phase Main Breaker (MB) or Main Fusible (MF) cubicles which are also factory connected to phases B-C.

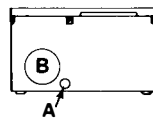
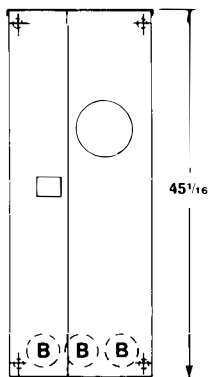
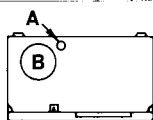
2. If the service bus is 3phase 4wire 120/208VAC MAX, apply any combination of single, two or three unit stacks connected to phases A-B, B-C, and C-A. (Example: a 9-unit apartment would be perfectly balanced with 3 sockets on A-B, 3 sockets on B-C, and 3 sockets on C-A). Of course, when the total number of apartment units is not in multiples of 3, select the stacks which will minimize the imbalance.



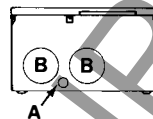
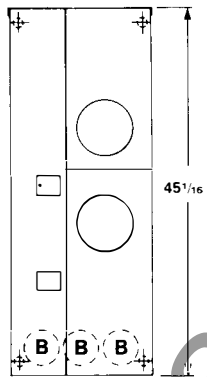
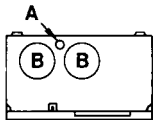
QSC Lever Bypass Meter Center Dimensions and Knockout Locations

Letter	A	B
Conduit Size	1/2	2 1/2
		3
		3 1/2

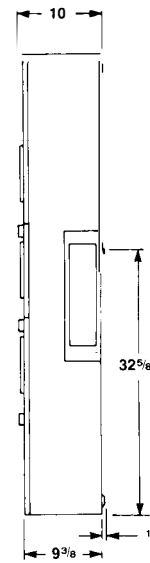
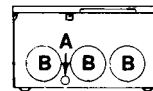
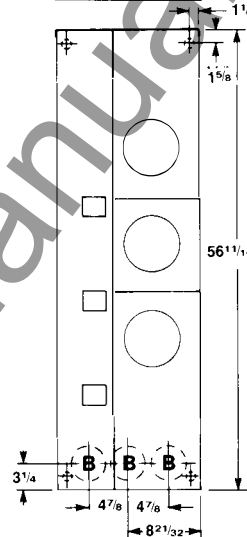
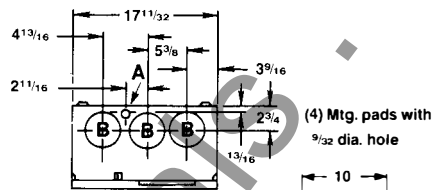
INDOOR



STACK 1



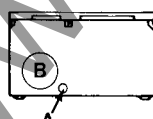
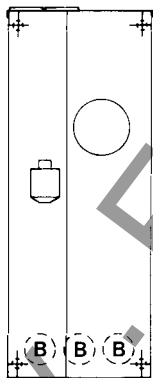
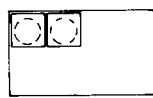
STACK 2



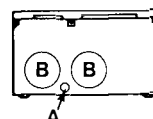
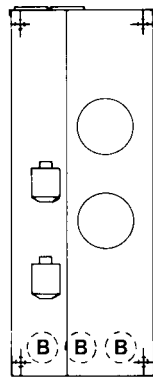
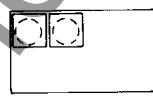
STACK 3

(4) Mtg. pads with 9/32 dia. hole

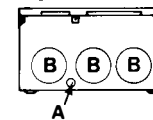
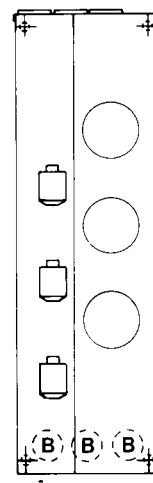
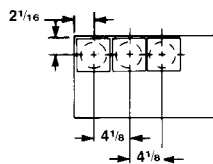
OUTDOOR



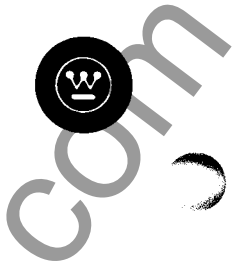
STACK 1R



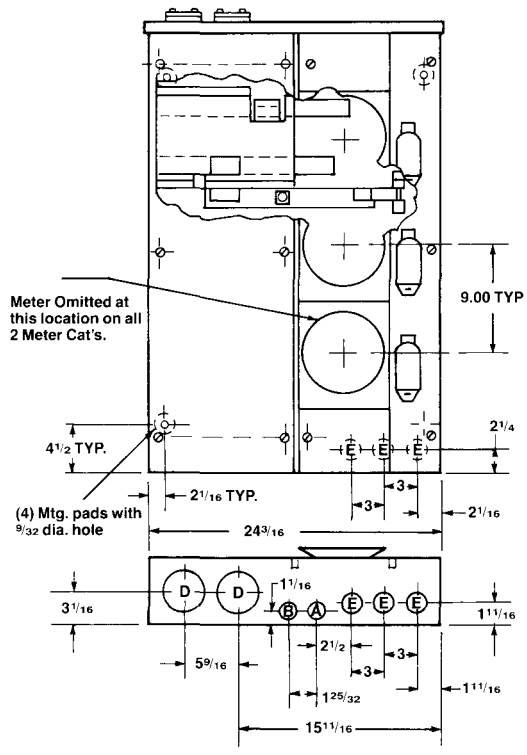
STACK 2R



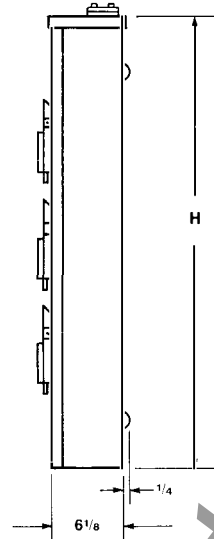
STACK 3R



Quick-Pack Outdoor Meter Centers Dimensions and Knockout Data



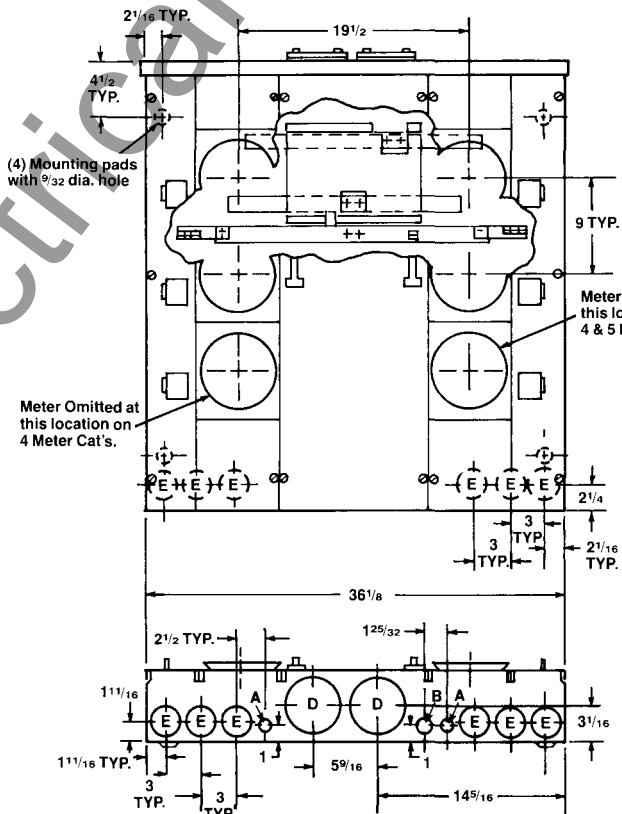
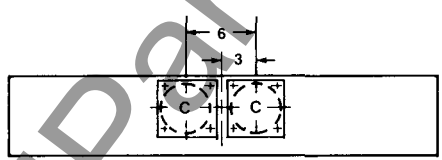
2 & 3 METER
QP STYLE 1



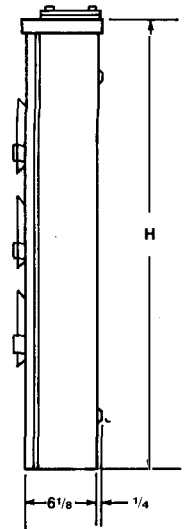
Letter	KNOCKOUTS				
	A	B	C	D	E
Conduit Size	1/2	3/4	1	1 1/2	2
	1/2	3/4	2	3	1
	3/4	1	3	4	1 1/2
					2

ENCLOSURE HEIGHT	
QP STYLE 1	
CAT. NO.	H
QP2R1	29 3/8
QP2BR1	
QP2WR1	38 3/8
QP2WBR1	
QP3R1	
QP3WR1	
QP3WBR1	

P STYLE 2	
CAT. NO.	H
QP4R1	29 3/8
QP4BR1	
QP4WR1	38 3/8
QP4WBR1	
QP5R1	
QP5BR1	
QP5WR1	
QP5WBR1	
QP6R1	
QP6BR1	
QP6WR1	
QP6WBR1	



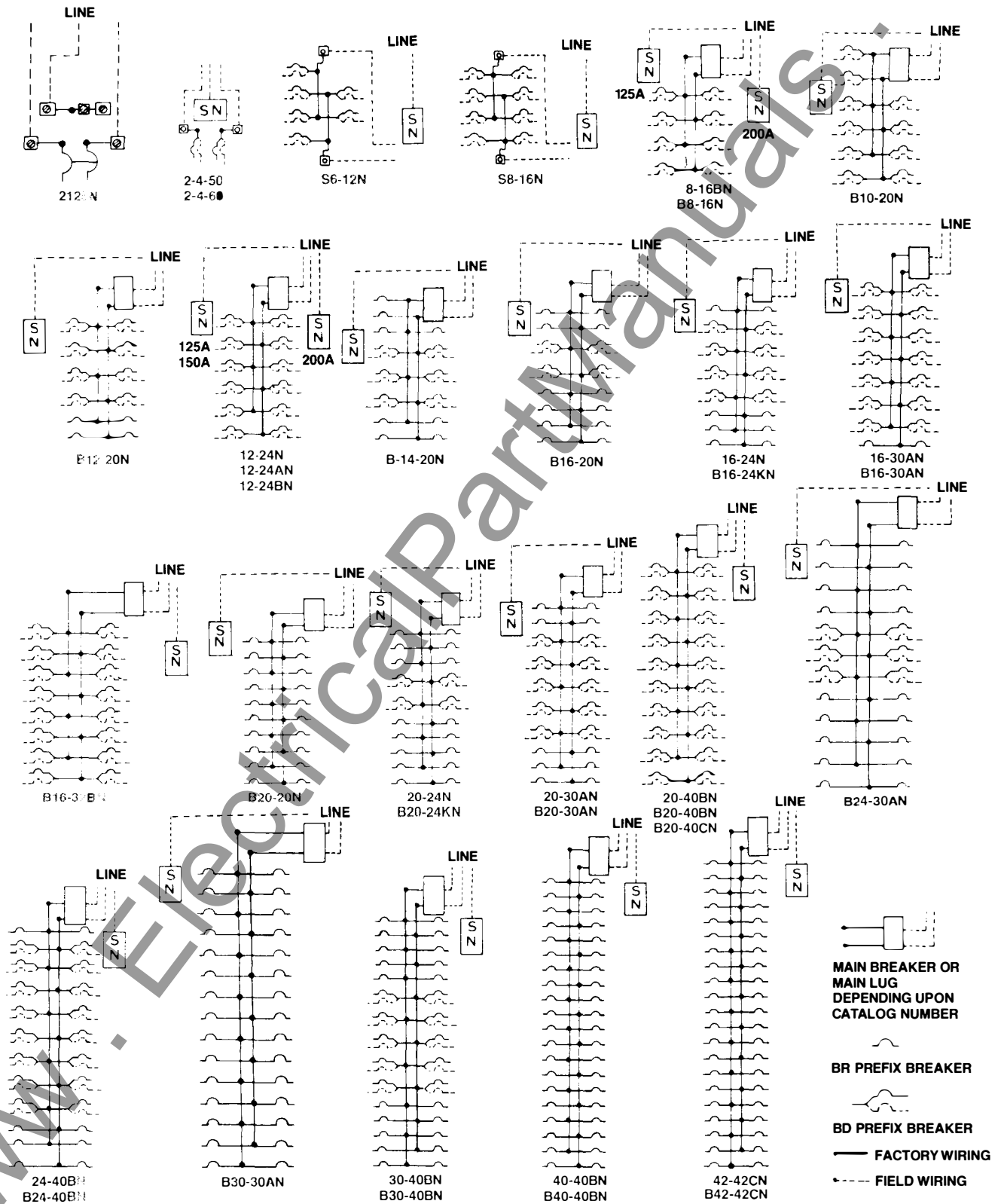
4, 5 & 6 METER
QP STYLE 2



www.ElectricalPartManuals.com

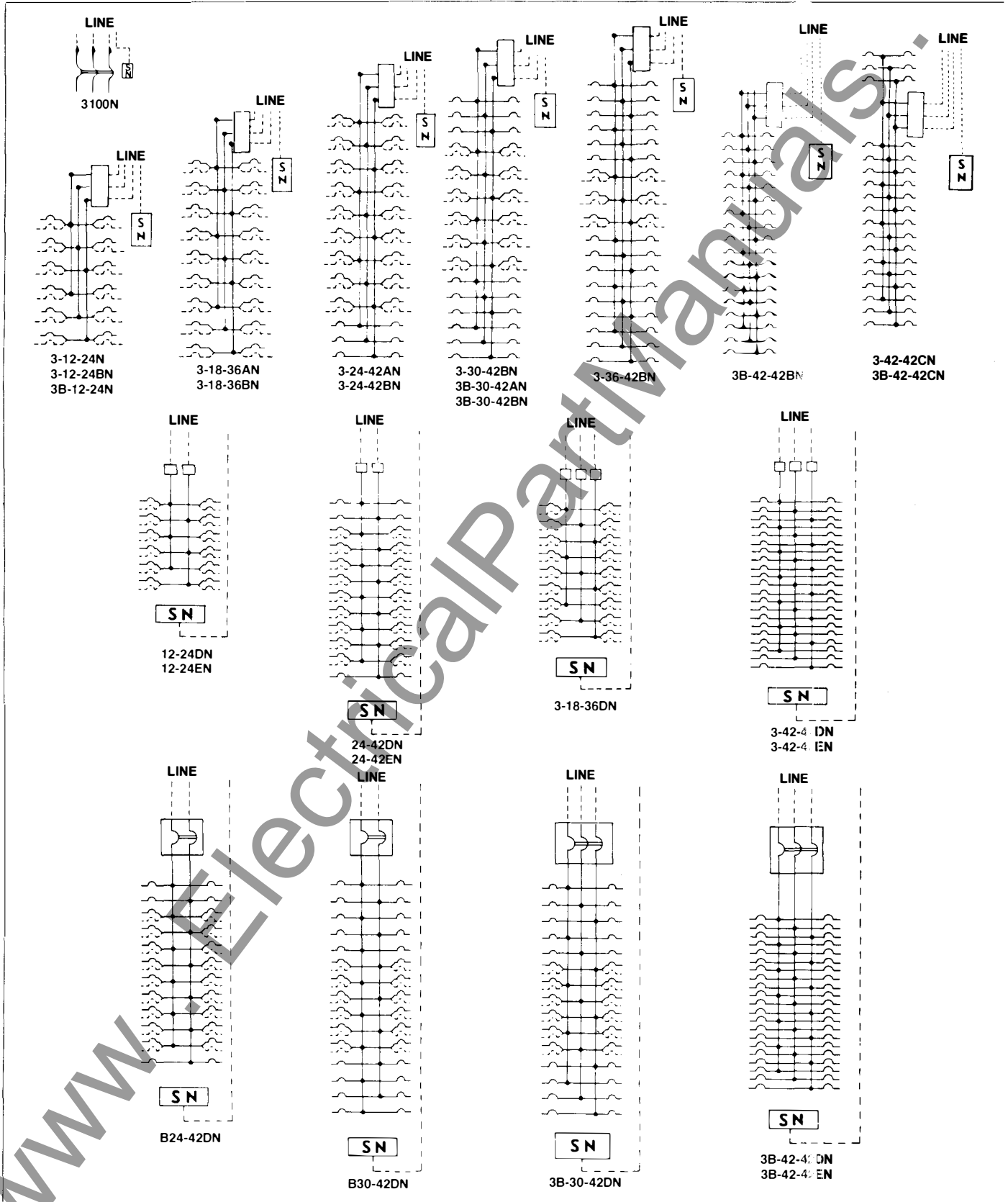


1 Phase Main Breaker and Main Lug Only Schematics to 225 Amperes



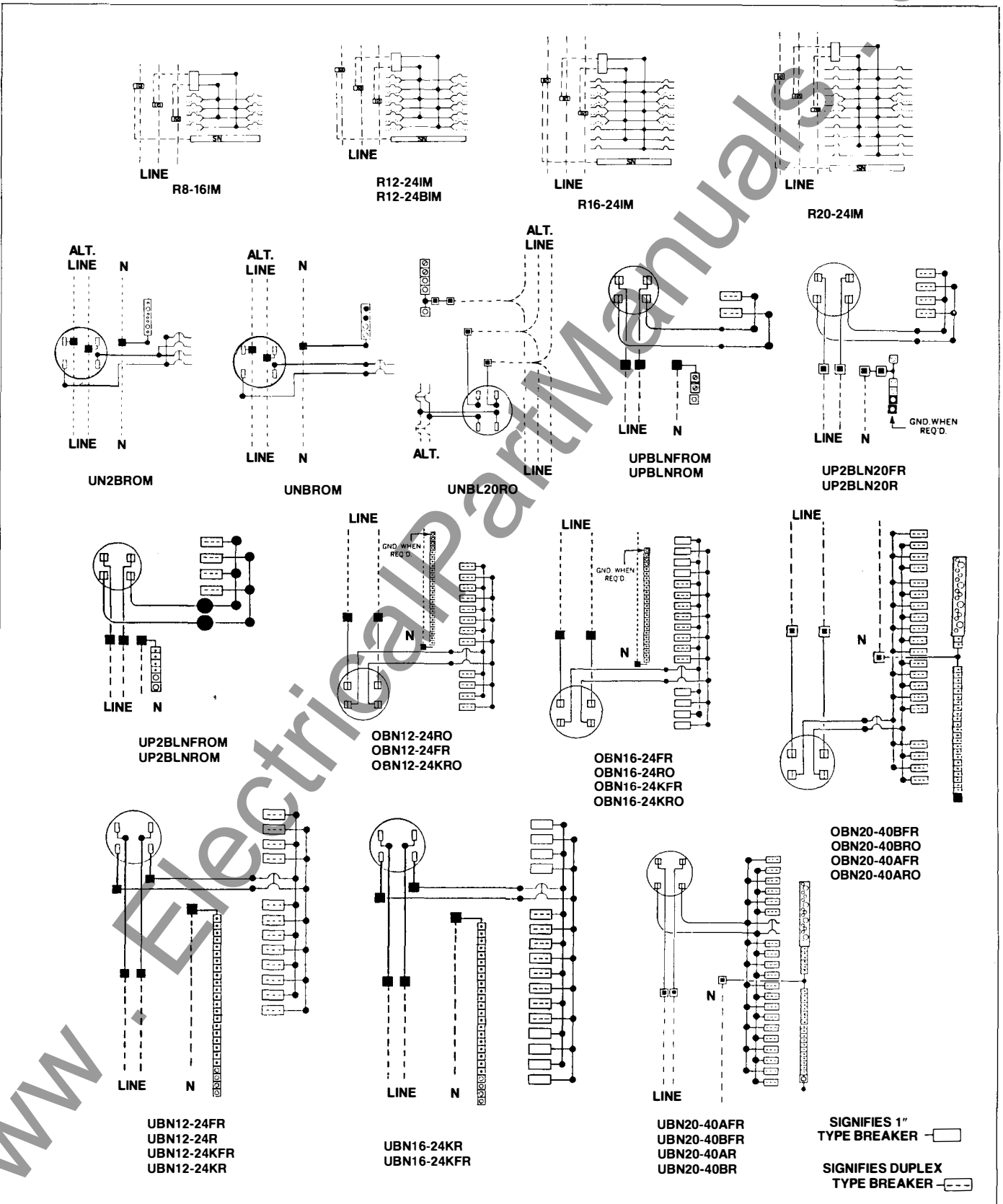


Main Breaker and Main Lug Schematics



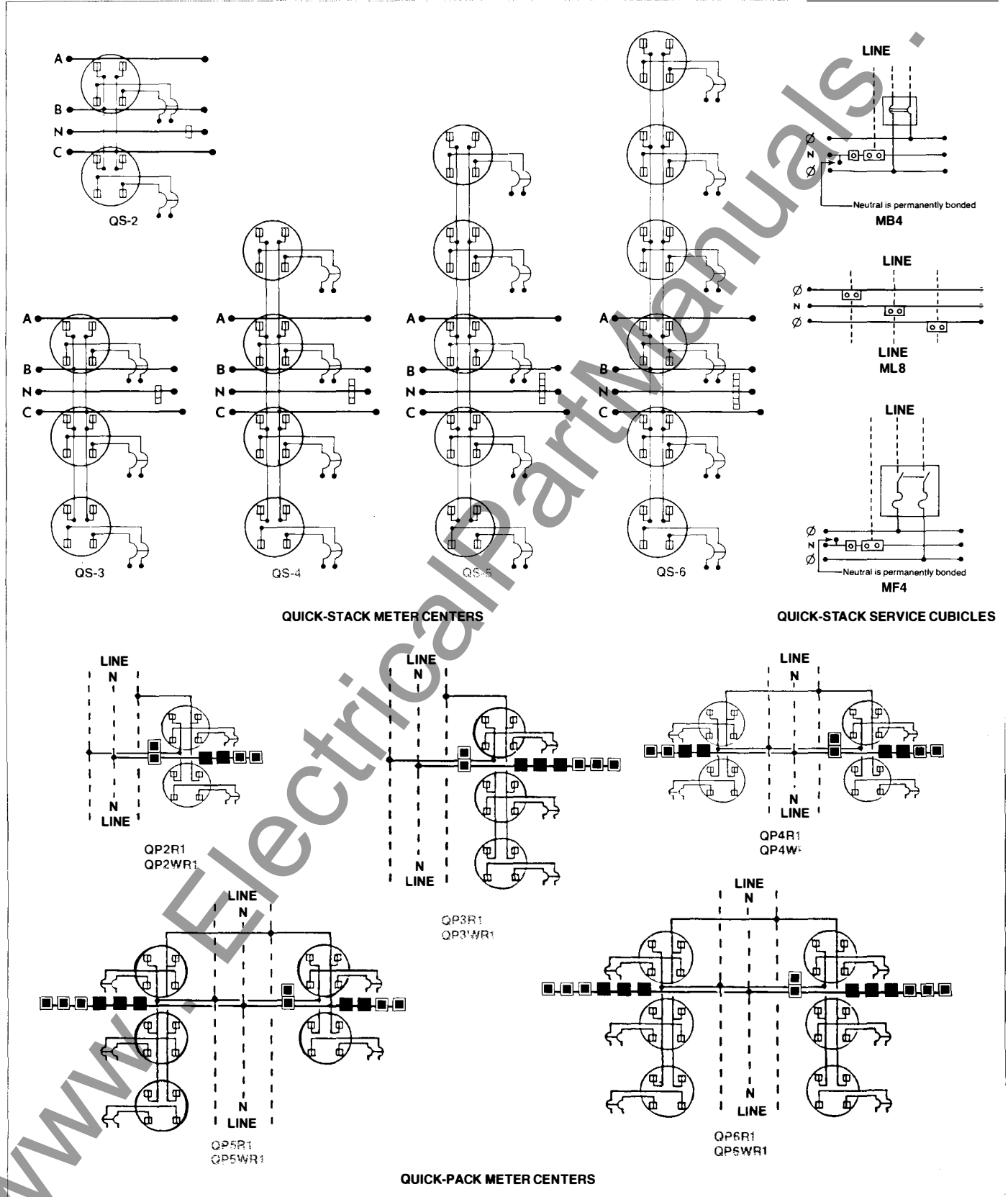


Riser/Feed-Thru Panel and Meter Socket Panel Schematics





Typical Meter Center Schematics





Numerical Index

CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE	CAT. NO.	PAGE
8D11	8	8QC230-230	6	BR2110	5	B42-42CSN	10	MUP4RN	27	QS3CL2B	25	DBN12-24KRO	19	30-40BSN	12
8D10-10	6	8QC230-240	6	BR2125	5	B42-42DFN	10	MUP6N	27	QS3CL2BR	25	DBN12-24KR	19	3100FLN	13
8D15-15	6	8QC230-250	6	BR215	5	B42-42DR1N	10	MUP6RN	27	QS3CL3B	25	DBN16-24FR	19	3100RDN	13
8D15-15HACR	6	8QC240-2115	6	BR215H	6	B42-42DSN	10	MUP8N	27	QS3CL3BR	25	DBN16-24KRO	19	3100SLN	13
8D15-20	6	8QC240-2120	6	BR220	5	B42-42EFN	10	MUP8RN	27	QS-3R	23	DBN16-24RO	19	3-12-24BFN	13
8D15-20HACR	6	8QC240-240	6	BR220H	6	B42-42ER1N	10	M3B10N	26	QS-4	23	DBN20-40AFR	19	3-12-24BR1N	13
8D15-30	6	8QC240-250	6	BR225	5	B42-42ESN	10	M3B10RN	26	QS-4A	23	DBN20-40ARG	19	3-12-24BSN	13
8D20-15	6	8QC250-2115	6	BR230	5	BB-16FN	10	M3B12N	26	QS-4AR	23	DBN20-40BFR	19	3-12-24FN	13
8D20-15HACR	6	8QC250-2120	6	BR230H	6	BB-16FNG	14	M3B12RN	26	QS-4B	23	DBN20-40BRO	19	3-12-24RON	13
8D20-20	6	8QC250-250	6	BR240	5	BB-16RON	10	M3B16N	26	QS-4BR	23	DBN20-40FR	12	3-12-24SN	13
8D20-20HACR	6	8Q215-215	6	BR240H	6	BB-16SN	10	M3B16RN	26	QS-4R	23	DBN20-40FR	12	3-1B-36AFN	13
8D20-30	6	8Q220-220	6	BR250	5	BB-16SNG	14	M3B2N	26	QS-5	23	DBN20-40FR	12	3-1B-36AR1N	13
8D20-25	6	8Q220-230	6	BR250H	6	CD1	18	M3B2RN	26	QS-5A	23	DBN20-40FR	12	3-1B-36ASN	13
8D30-15	6	8Q220-240	6	BR250NA	6	DLM	18	M3B4N	26	QS-5AR	23	DBN20-40FR	12	3-1B-36BFN	13
8D30-15HACR	6	8Q220-250	6	BR260	5	DLM	18	M3B4RN	26	QS-5R	23	DBN20-40FR	12	3-1B-36BR1N	13
8D30-20	6	8Q225-225	6	BR260H	6	DL3	18	M3B6N	26	QS-6	23	DBN20-40FR	12	3-1B-36BSN	13
8D30-20HACR	6	8Q230-215	6	BR260NA	6	EQHOS	18	M3B6RN	26	QS-6R	23	DBN20-40FR	12	3-1B-36DFN	13
8D30-30HACR	6	8Q230-2120	6	BR270	5	FDP12T	29	M3B8N	26	RD12EM	17	DBN20-40FR	12	3-1B-36DR1N	13
8D30-30	6	8Q230-230	6	BR270H	6	FDP4T	29	M3B8RN	26	RD12FCM	17	DBN20-40FR	12	3-1B-36DSN	13
8D30-50	6	8Q230-240	6	BR280	5	FDP6T	29	M3F12N	26	RD16EM	17	DBN20-40FR	12	3-24-42AFN	13
8D50-30	6	8Q230-250	6	BR290	5	FDP8T	29	M3F12RN	26	RD16FCM	17	DBN20-40FR	12	3-24-42AR1N	13
BHGW	8	8Q240-2115	6	BR300	5	FP1	18	M3F4N	26	RD20EM	17	DBN20-40FR	12	3-24-42ASN	13
BHLW	8	8Q240-2120	6	BR3100	5	FP1B	18	M3F4RN	26	RD20FCM	17	DBN20-40FR	12	3-24-42BFN	13
		8Q240-240	6	BR3100NA	6	GB10	18	M3F4T	27	RD8EM	17	DBN20-40FR	12	3-24-42BSN	13
		8Q240-250	6	BR315	5	GB14	18	M3F6N	26	RD8FCM	17	DBN20-40FR	12	3-24-42DFN	13
BHT	8	8Q250-2115	6	BR320	5	GB18	18	M3F6RN	26	RFK666	29	DBN20-40FR	12	3-24-42DR1N	13
BH12-20FN	10	8Q250-2120	6	BR330	5	GB22	18	M3F6T	27	ROH075	18	DBN20-40FR	12	3-24-42DSN	13
BH12-20SN	10	8Q250-250	6	BR340	5	GB3	18	M3F8N	26	ROH100	18	DBN20-40FR	12	3-30-42BFN	13
BH16-20FN	10	BRDC215-215	6	BR350	5	GB3A	18	M3F8RN	26	ROH125	18	DBN20-40FR	12	3-30-42BR1N	13
BH16-20SN	10	BRDC230-230	6	BR360	5	GB6	18	M3L16N	26	ROH150	18	DBN20-40FR	12	3-30-42BSN	13
BH16-30AFN	10	BRDC230-240	6	BR370	5	GB6A	18	M3L16RN	26	ROH200	18	DBN20-40FR	12	3-36-42BFN	13
BH16-30ASN	10	BRDC230-250	6	BR390	5	GFCBH115	5	M3L3N	26	RIHA	18	DBN20-40FR	12	3-36-42BSN	13
BH20-20FN	10	BRDL	6	BR415	5	GFCBH120	5	M3L3RN	26	RIH200	18	DBN20-40FR	12	3-42-42BFN	13
BH20-20SN	10	BRD230-240	6	BR420	6	GFCBH125	5	M3UP12N	27	RIH200S	18	DBN20-40FR	12	3-42-42BR1N	13
BH20-30AFN	10	BRD230-250	6	BR430	6	GFCBH130	5	M3UP12RN	27	RIH250	29	DBN20-40FR	12	3-42-42BSN	13
BH20-30ASN	10	BRHDS	18	B10-20FNG	14	GFCBH215	5	M3UP4N	27	RIH250S	29	DBN20-40FR	12	3-42-42CFN	13
BH20-40BFN	10	BRHDSS	18	B10-20SNG	14	GFCBH220	5	M3UP4RN	27	RIH300	18	DBN20-40FR	12	3-42-42CR1N	13
BH20-40BSN	10	BRHH2100	5	B12-20FN	10	GFCBH225	5	M3UP6N	27	R12EM	17	DBN20-40FR	12	3-42-42CSN	13
BH24-30AFN	10	BRHH2125	5	B12-20FNG	14	GFCBH230	5	M3UP6RN	27	R12FCM	17	DBN20-40FR	12	3-42-42DFN	13
BH24-30ASN	10	BRH115	5	B12-20RON	10	GFCB115	5	M3UP8N	27	R12-24IM	17	DBN20-40FR	12	3-42-42DR1N	13
BH24-40BFN	10	BRH120	5	B12-20SN	10	GFCB120	5	M3UP8RN	27	R16EM	17	DBN20-40FR	12	3-42-42DSN	13
BH24-40BSN	10	BRH125	5	B12-20SNG	14	GFCB325	5	PS49	28	R16FCM	17	DBN20-40FR	12	3-42-42EFN	13
BH30-30AFN	10	BRH130	5	B12-24BFN	14	GFCB130	5	QHL	8	R16-24IM	17	DBN20-40FR	12	3-42-42ER1N	13
BH30-30ASN	10	BRH140	5	B12-24BSNG	14	GFCB215	5	QPMCK6	28	R20EM	17	DBN20-40FR	12	3-42-42ESN	13
BH30-40BFN	10	BRH150	5	B16-20FN	10	GFCB220	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	40-40BFN	12
BH30-40BSN	10	BRH160	5	B16-20RON	10	GFCB225	5	QPMCK6	28	R20-24IM	17	DBN20-40FR	12	40-40BR1N	12
BH40-40BFN	10	BRH170	5	B16-20SN	10	GFCB230	5	QPMCK6	28	R20EM	17	DBN20-40FR	12	40-40BSN	12
BH40-40BSN	10	BRH2100	5	B16-24KFN	10	GFEF115	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42BFN	12
BH42-42BFN	10	BRH2110	5	B16-24KSN	10	GFEF120	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42BR1N	12
BH42-42BSN	10	BRH2125	5	B16-30AFN	10	GFEF125	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42BSN	12
BH42-42CFN	10	BRH215	5	B16-30AFNG	14	GFEF130	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42CFN	12
BH42-42CSN	10	BRH220	5	B16-30ARON	10	GFEF215	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42CR1N	12
BHDS	18	BRH225	5	B16-30ASN	10	GFEF220	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42DSN	12
BHDS3P	18	BRH230	5	B16-30ASNG	10	GFEF225	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42EFN	12
BJHH2150	5	BRH240	5	B16-32BFN	14	GFEF230	5	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42ER1N	12
BJHH2200	5	BRH250	5	B16-32BSN	10	GT2500	17	QPMCK6	28	R20FCM	17	DBN20-40FR	12	42-42ESN	12
BJH2125	5	BRH260	5	B16-32SNG	14	GT2500-250	17	QPMCK6	28	R20FCM	17	DBN20-40FR	12	B-16BR1N	12
BJH2175	5	BRH270	5	B16-32SNG	14	GT500-250	17	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH2175	5	BRH290	5	B20-20FN	10	HLW	8	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH2200	5	BRH3100	5	B20-20RON	10	MBP	29	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH225	5	BRH315	5	B20-20SN	10	MB10N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH3125	5	BRH320	5	B20-24KFN	10	MB10RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH3150	5	BRH330	5	B20-24KRON	10	MB12N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH3175	5	BRH340	5	B20-24KSN	10	MB12RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH3200	5	BRH350	5	B20-30AFN	10	MB16N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJH3225	5	BRH360	5	B20-30ARON	10	MB16RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2FN	12	BRH370	5	B20-30ASN	10	MB2N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2R1N	12	BRH390	5	B20-40BFN	14	MB2RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2SN	12	BRLW	8	B20-40BFR1N	10	MB4N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2125	5	BRSN215	6	B20-40BSN	10	MB4RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2150	5	BRSN220	6	B20-40BSNG	14	MB6N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2175	5	BRSN230	6	B24-30AFN	10	MB6RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2200	5	BRWH215	6	B24-30ASN	10	MB8N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2225	5	BRWH220	6	B24-40BFN	10	MF12N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ2225NA	6	BRWH230	6	B24-40BFRNG	14	MF12RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3FN	13	BR110	5	B24-40BR1N	10	MF4N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3R1N	13	BR115	5	B24-40BSN	10	MF4RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3SN	13	BR115HACR	5	B24-40BSNG	14	MF6N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3125	5	BR120	5	B30-30AFN	10	MF6RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3150	5	BR120HACR	5	B30-30ASN	10	MF8N	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3175	5	BR125	5	B30-40BFN	10	MF8RN	26	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3200	5	BR130	5	B30-40BR1N	10	MLGK	29	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3225	5	BR130HACR	5	B30-40BSN	10	MLK2150	18	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BJ3225NA	6	BR140	5	B30-42DDFN	10	MLK2225	18	QPMCK6	28	R20FCM	17	DBN20-40FR	12		
BLK	29	BR150	5	B30-42DDRN	10	MLK3150	18	QPMCK6	28	R20FCM					



www.ElectricalPartManuals.com

Westinghouse Electric Corporation
Bryant Electric Division
Bridgeport, Connecticut 06606