

HOMELINE[®] Circuit Breaker Load Centers

CONTENTS

Description	Class	Pages
Application Data	1170	2-5
Accessories	1170	6
Technical Data		
Dimensions	1170	9
Wiring Diagrams	1170	10-11



Type

Circuit Breaker load centers for use on ac systems. Underwriter Laboratories listed under file E-6294 (panelboards). Federal Specifications W-P-115b Type 1, Class 2.

Service

• 1Ø3W 120/240Vac

Ratings

- Main Lugs 70-225A
- Main Breaker 50-225A

UL Listed

- Suitable for use as service equipment.
- 75°C wire rating.

Class CTL

- UL Listed Class CTL load centers
- Meets paragraph 384-15 of the NEC.



HOM24M125C



Required

Hom One Pole

GFI (With Ground

. Fault Circuit

Interrupter)











Required



HOM Two Pole GFI

(With Ground Fault

Circuit Interrrupter)

2 Spaces Required

HOM One Pole HOM Two Pole HOMT One Pole HOMT Quad Breaker

Tandem





2 Spaces Required

1 Space Required

HOM SURGEBREAKER[™]

Surge Arrester



2 Spaces Required

1 Space Required

Branch Circuit Breakers

(0)

10,000 AIR

Hom Homt Homt Hom Hom-gfi	1-pole 1-pole 2-pole 2-pole 1-pole	15-50A 15-20A 15-30A 15-125A 15-20A
HOM-GFI	1-pole	15-20A
HOM-GFI	2-pole	15, 20, 30-40A

Main Breaker – QOM

22,000 AIR



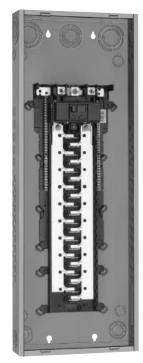
QOM2 Frame Size 100-225 Amperes



QOM1 Frame Size 50-125 Amperes

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HOM40M200C/without cover

Indoor Enclosures (NEMA Type 1):

- Welded sheet steel with knockouts at top, bottom, back, and sides.
- Finish: Gray baked enamel, electrodeposited over cleaned phospatized steel
- Most indoor enclosures are 14.25 wide. (See dimensions)



Indoor Covers:

- Doors to cover circuit breaker handles, except on 2-4 and 6-12 circuit models.
- Combination flush and surface cover with latch opening door included with load centers.
- Automatic flush adjustment-standard.
- Triple lead cover screws for fast cover installation.
- Shutter type twistouts.
- HOMFP snap-in type filler plates available for all covers.



Rainproof Enclosures (NEMA Type 3R):

- Complete enclosure includes interior trim and door.
- Welded galvanealed steel.
- Finish: Gray baked enamel, electrodepositied over clean phosphatized galvanealed steel.
- RB devices have provisions for interchangeable bolt-on hub.



Bolt-on Hubs:

- Hubs available for 3/4" to 4" conduit size.
- No gasket required with hubs from 3/4" to 21/2" when used on RB type load centers.
- 3" to 4" hubs for field cut openings on "R" type load centers.

Single Phase, 2 through 12 Circuit, 70 through 100 Amperes, fixed mains

UL Listed

- Suitable for use as service equipment.
- 75°C wire rating.

(See Technical Information pages 7-11).

Short Circuit Current Rating

• Main lugs up to 10,000 Amperes.

(See Technical Information pages 7-11).

Interior

• Tin plated aluminum bus.



HOM612L100F

Mains

- Factory installed fixed main lugs.
- Top mains positioning only.
- Top or bottom feed.

(See Technical Information pages 7-11).

Cover

• Flush or surface cover included with load centers.



Flush Cover

Single Phase, 12 Through 42 circuit, 100 through 225 Amperes, convertible mains

UL Listed

- Suitable for use as service equipment.
- 75°C wire rating.
- (See Technical Information pages 7-11).

Short Circuit Current Rating

- Main lugs up to 10,000 Amperes.
- Main breaker 10,000 Amps Interrupting Rating standard.
- 22,000 Amps Interrupting Rating main breaker kits (Refer to pg. 6 Main Breaker Kits).

(See Technical Information pages 7-11).

Interior

- Tin plated aluminum bus.
- Removable interior.
- Interior secured to enclosure with captive screws.

Mains

Factory installed main lugs convertible to main breaker:

Load Center Amperage	Main Breaker Kit Amperage
125	50 - 125
150	100 - 150
200	100 - 200
225	100 - 225

Factory installed main breaker convertible to main lugs:

Main Breaker Amperage	Main Lug Kit Amperage	Load Center Amperage
100	125	100
125	125	125
150	225	150
200	225	200
225	225	225

Top or bottom mains positioning, by rotating complete indoor load center 180°.

(See Technical Information pages 7-11).

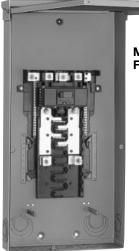
Cover

- Combination flush and surface cover included with load centers.
- Optional door lock kit for indoor load centers.



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Main Circuit Breaker with Feed-thru Lugs

- Rainproof only.
- 150 and 200 Ampere mains rating.
- Space for up to 8 single pole circuit breakers.
- Factory installed main circuit breaker.
- Factory installed feed-thru lugs.

Universal Mains Load Center with Feed-thru Lugs

- No factory installed main circuit breaker or main lugs.
- 200 Ampere mains rating.
- Feed-thru lugs are factory installed.
- Rainproof only.
- Space for up to 8 single pole circuit breakers.
- Purchase main circuit breaker kit and field install.



HOM816U200FTRB

Universal Mains Load Centers "Studs Only"

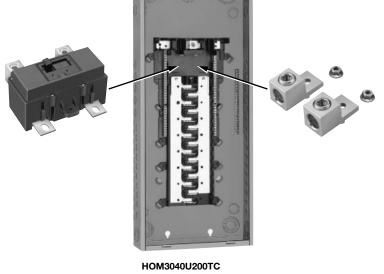
- No factory installed main circuit breaker or main lugs.
- 200 Ampere mains rating.

HOM816M200FTRB

- Indicated by "U" in catalog number.
- Purchase main lug kit or main circuit breaker kit and field install.
- Combination flush/surface cover included with indoor load center.
- Factory installed ground bar kit.



- Factory installed grounding bar indicated by "T" in catalog number.
- Top or bottom feed on incoming service by rotating complete load center 180 degrees.



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HOMELINE® Circuit Breaker Load Centers Accessories



Grounding Bar Kits

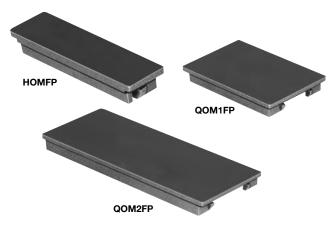
- Field installable in all load centers.
- Wire size of terminals (See Technical Information page 8.)
- Suitable for copper or aluminum wire.
- Available with large lug PK15GTA-L, PK18GTA-L and PK23GTA-L. (See Technical Information page 8).



LK100AN

Auxiliary Neutral Lugs

- UL Listed for copper or aluminum wire.
- Field installable on neutral assembly.
 - LK70AN #12 to #2 Al or #14 to 4 Cu AWG LK100AN #6 to #2/0 AWG



Cover Filler Plates

- Fast to install snap-in type.
- HOMFP branch circuit.
- QOM1FP 50 through 125 Ampere main breaker.
- QOM2FP 150 through 225 Ampere main breaker.

Flush Lock Kits

- Available for indoor load centers.
- Two keys provided with each lock kit.
- PK6FL for single phase convertible 8-42 circuit load centers.

Main Lugs Kits

• Field installable in main breaker or main lugs load centers.



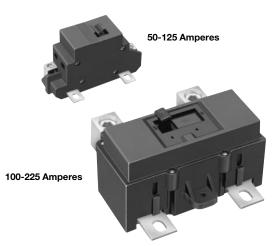
• 125 Ampere kit usable in 100 through 125 Ampere load centers.



• 225 Ampere kit usable in 150 through 225 Ampere load centers.

Main Breaker Kits

- Field installable in main lugs or main breaker load centers.
- 22,000 Amps Interrupting Rating main breaker kit 50 through 225 Amperes usable with 10,000 Amps Interrupting Rating branch circuit breakers.





SQUARE D.

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HOMELINE® Circuit Breaker Load Centers Technical Information

70 100	Catalog Number 3 Wire Fixed Main L HOM2-4L70F/S HOM2-4L70RB	of Enclosure	Cover Catalog Number	Service Equipment		UL Main Wire Size nort Circuit AWG/kcmil		Wire Bending Space Box		Mains
70 100	HOM2-4L70F/S HOM2-4L70RB	ugs		Equipment	Rating■ (Amperes)	Al	Cu	Dimension (IN.)	No.	Position
100	HOM2-4L70RB									
		Indoor Rainproof	Included Included	В	10,000	#12-#3	#14-#4	2.0	1 1R	Тор Тор
I Phase 3	HOM6-12L100F/S HOM6-12L100RB	Indoor Rainproof	Included Included	B, C	10,000	#8-	-#1	3.0	2 2R	Top Top
	3 Wire Convertible I	Main Lugs								
	HOM8-16L125C	Indoor	Included	B, C	10.000	#4-	2/0	6.0	4	BOTH
125	HOM8-16L125TC HOM8-16L125RB HOM12L125RB HOM12L125RB HOM12-24L125TC HOM16-24L125C HOM20L125C HOM20L125RB HOM2024L125TC HOM24L125TC	Indoor Rainproof Indoor Rainproof Indoor Indoor Rainproof Indoor Indoor Indoor	Included Included Included Included Included Included Included Included Included	B, C B, C B, C B, C B, C B, C B B B B B B B B B B B B	10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	#4- #4- #4- #4- #4- #4- #4- #4- #4-	2/0 2/0 2/0 2/0 2/0 2/0 2/0 2/0 2/0 2/0	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	4 3R 4 3R 4 5 5 4R 5 5 5	BOTH TOP BOTH TOP BOTH BOTH BOTH BOTH BOTH
150	HOM30L150C	Indoor	Included	В	10,000	#4-	250	8.5	7	BOTH
200	HOM12L200RB HOM30L200C HOM30L200RB HOM30-40L200TC HOM40L200C HOM40L200RB	Rainproof Indoor Rainproof Indoor Indoor Rainproof	Included Included Included Included Included Included	B, C B B B B B	10,000 10,000 10,000 10,000 10,000 10,000	#4- #4- #4- #4-	250 250 250 250 250 250	8.5 8.5 8.5 8.5 8.5 8.5 8.5	5R 7 7R 7 8 8R	TOP BOTH TOP BOTH BOTH TOP
225	HOM42L225C	Indoor	Included	В	10,000	#4-	250	8.5	8	BOTH
I Phase 3	3 Wire Convertible I	Main Breal	ker							
100	HOM8-16M100C HOM8-16M100TC HOM8-16M100RB HOM12M100C HOM12M100RB HOM12-24M100TC HOM20M100C HOM20M100RB HOM24M100C	Indoor Indoor Rainproof Indoor Rainproof Indoor Rainproof Indoor	Included Included Included Included Included Included Included Included	A, D A, D A, D A, D A, D A, D A A A	$\begin{array}{c} 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ \end{array}$	#6 #6 #4- #4- #4- #4- #4- #4-	i-1 2/0 2/0 2/0 2/0 2/0 2/0 2/0	4.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0	3 3R 4 3R 4 5 4R 5	BOTH BOTH TOP BOTH TOP BOTH BOTH TOP BOTH
125	HOM12-24M125C HOM12-24M125TC HOM24M125C HOM24M125RB	Indoor Indoor Indoor Rainproof	Included Included Included Included	A, D A, D A A	10,000 10,000 10,000 10,000 10,000	#4- #4- #4- #4-	2/0 2/0	6.0 6.0 6.0 6.0	4 4 5 6R	BOTH BOTH BOTH TOP
150	HOM16-32M150TC HOM20-30M150TC HOM30M150C HOM30M150RB	Indoor Indoor Indoor Rainproof	Included Included Included Included	A A A A	10,000 10,000 10,000 10,000 10,000	#4- #4-		8.5 8.5 8.5 8.5 8.5	6 6 7 7R	BOTH BOTH BOTH TOP
200	HOM12-24M200TC HOM16-32M200TC HOM20-40M200C HOM20-40M200TC HOM20-40M200RB HOM30M200C HOM30M200RB HOM30-40M200TC HOM40M200C HOM40M200RB	Indoor Indoor Indoor Indoor Rainproof Indoor Rainproof Indoor Rainproof	Included Included Included Included Included Included Included Included Included	A, D A A A A A A A A A	$\begin{array}{c} 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ 10,000\\ \end{array}$	#4- #4- #4- #4- #4- #4- #4-	250 250 250 250 250 250 250 250 250 250	8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	6 6 6 7 7 7 7 8 8 8	BOTH BOTH BOTH TOP BOTH TOP BOTH BOTH TOP
225	HOM42M225C	Indoor	Included	А	10,000	#4-	250	8.5	8	BOTH
Phase 3	3 Wire Universal Ma	ins								
200	HOM16-32U200TC HOM20-40U200TC HOM30-40U200TC	Indoor Indoor Indoor	Included Included Included	B B B	10,000 10,000 10,000	#4-	250 250 250	8.5 8.5 8.5	6 6 7	BOTH BOTH BOTH
Phase ?	3 Wire Main Breake	r Feed-Th	ru					•		
150	HOM8-16M150FTRB		Included	A	10,000	#4-	250	8.5	6R	TOP
200	HOM8-16M200FTRB	Rainproof	Included	A	10,000		250	8.5	6R	TOP
Phase ?	3 Wire Universal Ma	ins Feed-	Thru					•		
	HOM8-16U200FTRB		Included	В	10,000	#4-	250	8.5	6R	TOP

A - UL Listed suitable for use as service equipment (neutral bonded at the time of installation) with factory installed service disconnect.
B - UL Listed suitable for use as service equipment (neutral bonded at the time of installation) with field installed service disconnect.
C - UL Listed suitable for use as service equipment (neutral bonded at the time of installation) when not more than six service disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard.
D - UL Listed suitable for use as service equipment (neutral bonded at the time of installation) with field installed main lugs when not more than six disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard.
U - UL Listed suitable for use as service equipment (neutral bonded at the time of installation) with field installed main lugs when not more than six disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard.
U - UL Listed suitable for use as a service equipment (neutral bonded at the time of installation) with field installed main lugs when not more than six disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard.
UL short circuit rating with optional QOM-VH main circuit breaker - 22,000 Amps Interrupting Rating.

- 7

HOMELINE® Circuit Breaker Load Centers Technical Information

Grounding Bar Kits

All PK Equipment Grounding Kits are supplied with mounting screws, necessary installation instructions and an "Equipment Grounding Terminal" self-adhesive label.

Catalog Number	Total Quantity	Terminals Quantity Each Size See Table "B" For Wire Range					Approximate Overall Length	© To © Distance Between	Mounting	
	Quantity	1			IV IV	V	VI		Mounting Holes	3
PK0GTA-2	2						2	1 ³ ⁄4"	One Hole	Тор
PK0GTA-6	6					6		439/64"	1 ¹¹ ⁄ ₁₆ "	Тор
PK3GTA-1	3	3						1 ³ ⁄8"	One Hole	Тор
PK4GTA	4	4						15/8"	One Hole	Тор
PK5GTA	5	5						2 ¹ / ₄ "	1 ¹ ⁄4"	Тор
PK7GTA	7	7						2 ⁷ /8"	1 ¹ ⁄4"	Top or Side
PK9GTA-1	9	9						3 ¹ ⁄4"	One Hole	Тор
PK9GTA	9	9						3 ²⁵ / ₃₂ "	3 ¹ ⁄8"	Тор
PK12GTA	12	12						4 ⁴⁵ / ₆₄ "	3 ¹ ⁄8"	Тор
PK15GTA	15	15						5 ⁵ ⁄8"	3 ¹ ⁄8"	Тор
PK15GTA-L	16	15	1					8 ¹ ⁄8"	3 ¹ ⁄8"	Тор
PK15GTA-6	21	15			6			5 ⁷ /8"	▲	Тор
PK18GTA	18	18						6 ⁹ ⁄ ₁₆ "	3 ¹ ⁄8"	Тор
PK18GTA-L	19	18	1					8 ¹³ ⁄ ₁₆ "	31/8"	Тор
PK23GTA	23	23						8 ⁷ / ₆₄ "	3 ¹ ⁄8"	Тор
PK23GTA-L	24	23	1					9 ⁷ / ₁₆ "	3 ¹ ⁄8"	Тор
PK27GTA	27 or ● 26	27 26		1				9 ²³ ⁄ ₆₄ "	3 ¹ ⁄8"	Тор

• PK27GTA includes one main grounding lug which mounts by utilizing two terminal screws, requires three terminals for mounting. ▲ 3¹/₈" on small terminals; 5¹/₄" on large terminals.

Slot/Robertson Screw

Standard Ground Bar Profile Dimensions

Table B

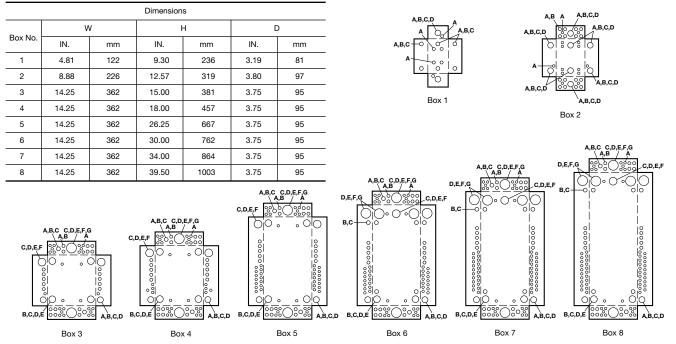
Size	Cu (Awg)	AI (Awg)
I	(1) #14 to #4 or (2) #14 or #12	(1) #12 to #4 or (2) #12 or #10
	(1) #1 to 4/0	(1) #1 to 4/0
III	(1) #6 to 2/0	(1) #6 to 2/0
IV	(1) #6 to 3/0	(1) #6 to 3/0
V	(1) #14 to 1/0	(1) #14 to 1/0
VI	(1) #10 to 2/0	(1) #6 to 2/0

П

Knockout Information and Enclosure Dimensions

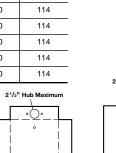
Knockouts							
Symbol	А	В	С	D	E	F	G
Conduit Size	1/2	3/4	1	1¼	1½	2	21/2

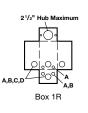
Indoor

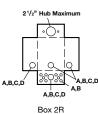


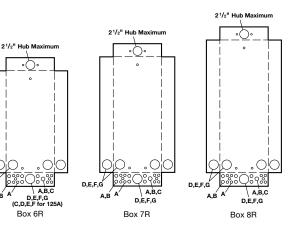
Rainproof

Dimensions									
	V	V	ŀ	1	D				
Box No.	IN.	mm	IN.	mm	IN.	mm			
1R	4.88	124	9.50	241	4.00	102			
2R	8.88	226	12.65	321	4.27	108			
3R	14.25	362	19.00	483	4.50	114			
4R	14.25	362	22.25	565	4.50	114			
5R	14.25	362	26.25	667	4.50	114			
6R	14.25	362	30.00	762	4.50	114			
7R	14.25	362	34.00	864	4.50	114			
8R	14.25	362	39.50	1003	4.50	114			





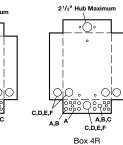


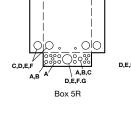


2'/2" Hub Maximum

Box 3R

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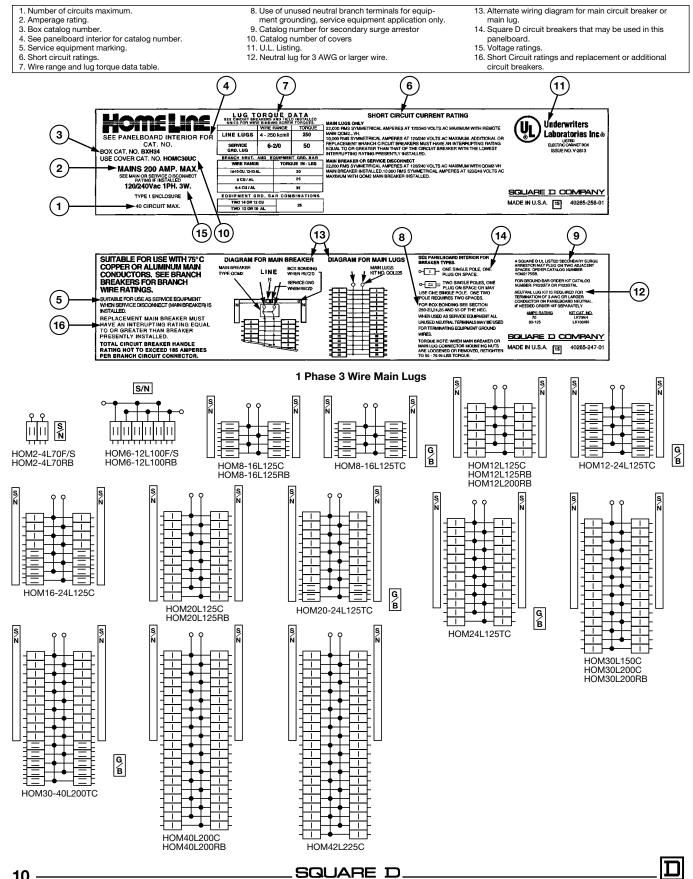


<u>SQUARE</u>D

A.E

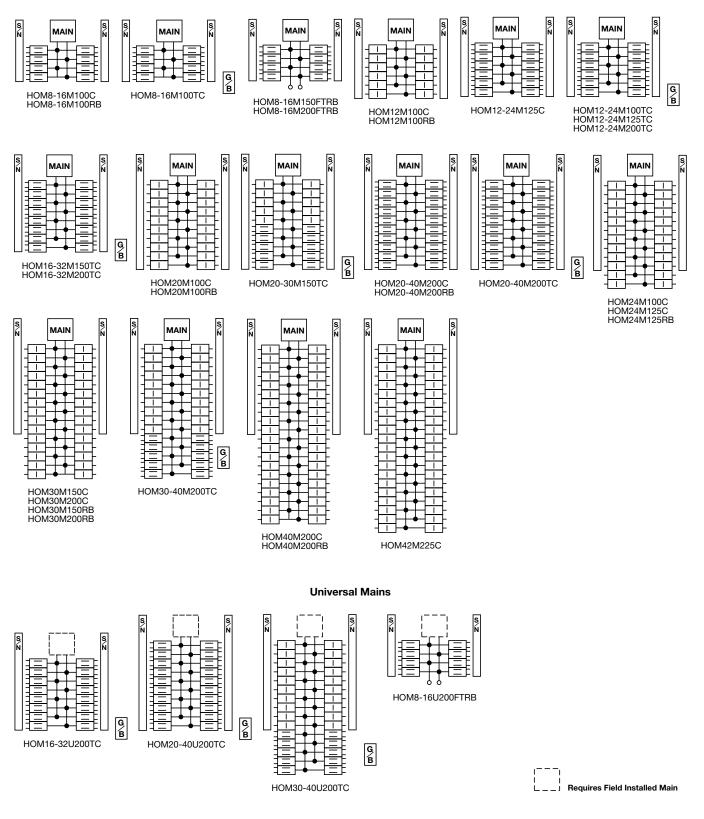
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HOMELINE® Circuit Breaker Load Centers Wiring Diagrams



HOMELINE® Circuit Breaker Load Centers Wiring Diagrams

1 Phase 3 Wire Main Breaker



SQUARE D

