

# Residential Load Centers

## PowerMark Gold and Plus Load Centers

Product Number Guides

# Section 1

### Product Number Guide for Load Centers

(Product number for illustrative purposes only)

<b>T</b>	<b>M</b>	<b>42</b>	<b>4</b>	<b>20</b>	<b>C</b>	<b>CU</b>	<b>B</b>
<b>GE Identification</b>							
<b>Type</b>							
M = Main breaker							
L = Main lug							
LM = Convertible							
PL = Main lug (Thermoplastic)							
<b>Maximum Number 1" Spaces</b>							
2, 4, 6...42							
<b>Insert for 3-Phase 4-Wire Load Centers</b>							
						<b>Insert for Specials</b> G or T = Factory installed ground bar B = Bottom feed main breaker FL = Factory installed feed-through lugs D = Optional door for 6-8 circuit panel. (Doors standard on all units 12 circuits or greater)	
						<b>Insert for PowerMark Gold</b> CU = Copper Bus 42 = Copper Bus Full 42 circuit panel	
						<b>Enclosure Type</b> C = Combination surface/flush F = Flush S = Surface R = Outdoor	
						<b>Bus Ampere Rating</b> 40 = 40 Amps      20 = 200 Amps 70 = 70 Amps      22 = 225 Amps 10 = 100 Amps     30 = 300 Amps 12 = 125 Amps     40 = 400 Amps 15 = 150 Amps     60 = 600 Amps	

### Product Number Guide for Q-Line Plug-in Circuit Breakers

(Product number for illustrative purposes only)

<b>T</b>	<b>H</b>	<b>QL</b>	<b>1</b>	<b>1*</b>	<b>15</b>	<b></b>	
<b>GE Identification</b>							
<b>Interrupting Rating</b>							
H = 10kAIC							
HH = 22kAIC							
X = 65kAIC							
<b>Type</b>							
QL = 1" plug-in							
QP = 1/2" plug-in							
QB = 1" bolt-on							
<b>Poles (1, 2, 3)</b>							
						<b>Ground Fault/Arc Fault Circuit Interrupter</b> GF = 1-pole Ground Fault Circuit Interrupter-5 mA GF1= 2-pole Ground Fault Circuit Interrupter-5 mA AF = 1- & 2-pole Arc Fault Circuit Interrupter GFEP = 1- & 2-pole Ground Fault Circuit Interrupter-30 mA	
						<b>Ampere Rating</b>	
						<b>Voltage</b> 1 = 120/240V 2 = 240V	

\*Omit character for THQP breakers, which are all 120/240V.



# Residential Load Centers

# Section 1

## Q-Line Plug-in Circuit Breakers

UL Listed (Molded Case Circuit Breakers No. 489)  
 Federal Government Specification Qualified (WC-375B)  
 60°C / 75°C Conductor Rating  
 Quick Make, Quick Break  
 Box Type Terminals



THQP130



THQP230



THQL1120



THQL2140



THQL32015



TQDL21200

### Q-Line Plug-in Circuit Breakers Specifications

Breaker Type	Ampere Rating	Wire Size AWG/kcmil <sup>1</sup>	
		Cu	Al
THQP	15-25	14-8	12-8
	30-50	8-4	8-4
THQL	15-30	14-8	12-8
	35-60	8-3	8-3
THHQ	70-100	6-1/0	4-1/0
TXQL	110-125	2-2/0	2-2/0
TQDL	125-200	1/0-250	1/0-250
THQDL	125-200	1/0-250	1/0-250

<sup>1</sup>Solid or stranded for 14-10 AWG

### Q-Line Plug-in Circuit Breakers

Ampere Rating	10,000AIC						22,000AIC				65,000AIC	
	Type THQP 1/2-inch Module		Type THQL 1-inch Module				Type THHQ 1-inch Module				Type TXQL 1-inch Module	
	120/240 Vac		120/240 Vac		240 Vac		120/240 Vac		240 Vac		120/240 Vac	
	Product Number	List Price GO-138A	Product Number	List Price GO-138A	Product Number	List Price GO-138	Product Number	List Price GO-138A	Product Number	List Price GO-138	Product Number	List Price GO-138A
Single Pole <sup>1</sup>												
15 <sup>2</sup>	THQP115	\$20.25	THQL1115	\$20.25	-	-	THHQ1115	\$40.25	-	-	TXQL1115	\$74.75
20 <sup>2</sup>	THQP120	\$20.25	THQL1120	\$20.25	-	-	THHQ1120	\$40.25	-	-	TXQL1120	\$74.75
25	THQP125	\$20.25	THQL1125	\$20.25	-	-	THHQ1125	\$40.25	-	-	TXQL1125	\$74.75
30	THQP130	\$20.25	THQL1130	\$20.25	-	-	THHQ1130	\$40.25	-	-	TXQL1130	\$74.75
35	THQP135	\$21.25	THQL1135	\$21.25	-	-	THHQ1135	\$41.25	-	-	-	-
40	THQP140	\$21.25	THQL1140	\$21.25	-	-	THHQ1140	\$41.25	-	-	-	-
45	THQP145	\$21.25	THQL1145	\$21.25	-	-	THHQ1145	\$41.25	-	-	-	-
50	THQP150	\$21.25	THQL1150	\$21.25	-	-	THHQ1150	\$41.25	-	-	-	-
Std. Pkg.	5 cartons of 20		5 cartons of 10					5 cartons of 10				5 cartons of 10

### Two-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

15	THQP215	\$46.00	THQL2115	\$46.00	THQL22015	\$133.00	THHQ2115	\$93.00	THHQ22015	\$193.00	TXQL2115	\$186.00
20	THQP220	\$46.00	THQL2120	\$46.00	THQL22020	\$133.00	THHQ2120	\$93.00	THHQ22020	\$193.00	TXQL2120	\$186.00
25	THQP225	\$46.00	THQL2125	\$46.00	THQL22025	\$133.00	THHQ2125	\$93.00	THHQ22025	\$193.00	TXQL2125	\$186.00
30	THQP230	\$46.00	THQL2130	\$46.00	THQL22030	\$133.00	THHQ2130	\$93.00	THHQ22030	\$193.00	TXQL2130	\$186.00
35	THQP235	\$47.75	THQL2135	\$47.75	THQL22035	\$133.00	THHQ2135	\$97.00	THHQ22035	\$193.00	-	-
40	THQP240	\$47.75	THQL2140	\$47.75	THQL22040	\$133.00	THHQ2140	\$97.00	THHQ22040	\$193.00	-	-
45	THQP245	\$47.75	THQL2145	\$47.75	THQL22045	\$133.00	THHQ2145	\$97.00	THHQ22045	\$193.00	-	-
50	THQP250	\$47.75	THQL2150	\$47.75	THQL22050	\$133.00	THHQ2150	\$97.00	THHQ22050	\$193.00	-	-
60	-	-	THQL2160	\$47.75	THQL22060	\$133.00	THHQ2160	\$97.00	THHQ22060	\$193.00	-	-
70	-	-	THQL2170	\$95.00	THQL22070	\$156.00	THHQ2170	\$148.00	THHQ22070	\$251.00	-	-
80	-	-	THQL2180	\$131.00	THQL22080	\$221.00	THHQ2180	\$210.00	THHQ22080	\$277.00	-	-
90	-	-	THQL2190	\$131.00	THQL22090	\$221.00	THHQ2190	\$210.00	THHQ22090	\$277.00	-	-
100	-	-	THQL21100	\$131.00	THQL22100	\$221.00	THHQ21100	\$210.00	THHQ22100	\$277.00	-	-
110	-	-	THQL21110	\$284.00	-	-	THHQ21110	\$686.00	-	-	-	-
125	-	-	THQL21125	\$284.00	-	-	THHQ21125	\$686.00	-	-	-	-
Std. Pkg.	5 cartons of 10		5 cartons of 5		5 cartons of 5		5 cartons of 5		5 cartons of 5		5 cartons of 5	
125	-	-	TQDL21125 <sup>4</sup>	\$296.00	-	-	THQDL21125 <sup>4</sup>	\$713.00	-	-	-	-
150	-	-	TQDL21150 <sup>4</sup>	\$296.00	-	-	THQDL21150 <sup>4</sup>	\$713.00	-	-	-	-
175	-	-	TQDL21175 <sup>4</sup>	\$296.00	-	-	THQDL21175 <sup>4</sup>	\$713.00	-	-	-	-
200	-	-	TQDL21200 <sup>4</sup>	\$296.00	-	-	THQDL21200 <sup>4</sup>	\$713.00	-	-	-	-
Std. Pkg.			10 cartons of 1					10 cartons of 1				

### Three-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

15	-	-	-	-	THQL32015	\$165.00	-	-	THHQ32015	\$251.00	TXQL32015	\$348.00 <sup>5</sup>
20	-	-	-	-	THQL32020	\$165.00	-	-	THHQ32020	\$251.00	TXQL32020	\$348.00 <sup>5</sup>
25	-	-	-	-	THQL32025	\$165.00	-	-	THHQ32025	\$251.00	TXQL32025	\$348.00 <sup>5</sup>
30	-	-	-	-	THQL32030	\$165.00	-	-	THHQ32030	\$251.00	TXQL32030	\$348.00 <sup>5</sup>
35	-	-	-	-	THQL32035	\$165.00	-	-	THHQ32035	\$251.00	-	-
40	-	-	-	-	THQL32040	\$165.00	-	-	THHQ32040	\$251.00	-	-
45	-	-	-	-	THQL32045	\$165.00	-	-	THHQ32045	\$251.00	-	-
50	-	-	-	-	THQL32050	\$165.00	-	-	THHQ32050	\$251.00	-	-
60	-	-	-	-	THQL32060	\$165.00	-	-	THHQ32060	\$251.00	-	-
70	-	-	-	-	THQL32070	\$216.00	-	-	THHQ32070	\$329.00	-	-
80	-	-	-	-	THQL32080	\$245.00	-	-	THHQ32080	\$359.00	-	-
90	-	-	-	-	THQL32090	\$245.00	-	-	THHQ32090	\$359.00	-	-
100	-	-	-	-	THQL32100	\$245.00	-	-	THHQ32100	\$359.00	-	-
Std. Pkg.			5 cartons of 3					5 cartons of 3		5 cartons of 3		

<sup>1</sup>UL Listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup>UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

<sup>3</sup>15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

<sup>4</sup>Requires four 1-inch spaces.

<sup>5</sup>GO-138

### References:

Accessories Pages  
 Auxiliary Switches and Shunt Trips

1-24 thru 1-29  
 BuyLog pages 3-39 thru 3-41.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

# Residential Load Centers

## Special Purpose Circuit Breakers

60°C / 75°F Conductor Rating

Box Type Terminals

Quick-Make, Quick-Break

Multi-pole Breakers Incorporate Internal Common Trip

**PowerMark Gold Main Circuit Breakers for use with 150A-225A PowerMark Gold Load Centers (Includes mounting base)**

UL Listed.

### Main Circuit Breaker Kits

22,000 AIC		
Ampere Rating	Product Number	List Price GO-138M
100	THQMV100D	\$259.00
125	THQMV125D	\$259.00
150	THQMV150D	\$259.00
175	THQMV175D	\$259.00
200	THQMV200D	\$259.00
225	THQMV225D	\$259.00

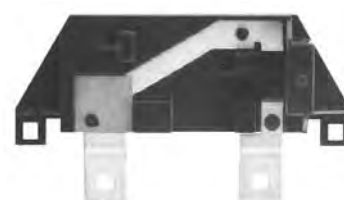


THQMVXXXD

### PowerMark Gold Main Circuit Breaker Kit

For use with 125A PowerMark Gold load Centers; 22kAIC RMS symmetrical; For bottom feed, also purchase TRL22 door handle.

Description	Product Number	List Price GO-138M
Main Circuit Breaker Kit - Order appropriate THQL 10kAIC or THHQL 22kAIC breakers separately	TQMH000	\$55.50



TQMH000

### Arc Fault

UL Listed (Molded Case Circuit Breakers No. 489 and Arc-Fault Circuit Interrupters No. 1699).

Ampere Rating	1-Pole, 120/240 Volts ac <sup>1</sup>		1 Pole, 120/240 Volts ac <sup>2</sup>		2-Pole 120/240 Volts ac <sup>1</sup>	
	Product Number	List Price GO-146A	Product Number	List Price GO-146A	Product Number	List Price GO-146A
<b>10,000 AIC</b>						
15	THQL1115AF	\$170.00	THQL1115AF2	\$300.00	THQL2115AF	\$385.00
20	THQL1120AF	\$170.00	THQL1120AF2	\$300.00	THQL2120AF	\$385.00
<b>22,000 AIC</b>						
15	THHQL1115AF	\$326.00	THHQL1115AF2	\$500.00	THHQL2115AF	\$701.00
20	THHQL1120AF	\$326.00	THHQL1120AF2	\$500.00	THHQL2120AF	\$701.00
Std. Pkg.	20 Cartons of 1			10 Cartons of 1		



Arc Fault

<sup>1</sup>Branch/feed AFCI compliant with 2002 NEC<sup>®</sup> or earlier

<sup>2</sup>Combination AFCI compliant with 2005 and 2008 NEC<sup>®</sup> and UL1699 (Feb. 2008)

### CB3 Ground Fault

UL Listed (Molded Case Circuit Breakers No. 489 and Ground Fault Circuit Interrupters No. 943). Class A (.005 ampere ground fault trip level).

Ampere Rating	1-Pole, 120/240 Volts ac		2-Pole, 120 Volts ac	
	Product Number	List Price GO-146	Product Number	List Price GO-146
<b>10,000 AIC</b>				
15	THQL1115GF	\$159.00	THQL2115GF1	\$282.00
20	THQL1120GF	\$159.00	THQL2120GF1	\$282.00
30	THQL1130GF	\$159.00	THQL2130GF1	\$282.00
40	-	-	THQL2140GF1	\$282.00
50	-	-	THQL2150GF1	\$702.00
<b>22,000 AIC</b>				
15	THHQL1115GF	\$311.00	-	-
20	THHQL1120GF	\$311.00	-	-
30	THHQL1130GF	\$311.00	-	-
Std. Pkg.	10 cartons of 1		10 cartons of 1	



THQL1120GF



# Residential Modular Metering Meter Mod III

How to Order  
Short Circuit Ratings

## Section 1

### Product Features

- UL Listed (details below)
- Short Circuit Ratings through 100,000 Amps RMS symmetrical
- Interchangeable Single and Three-phase Main and Meter Modules
- Indoor/Outdoor Construction
- Individual Meter Covers
- 11-inch Mounting Z-Rails Included
- Numerous Accessories



### Ordering Guidelines

- Determine available fault current
- Select the following:
  - Main Module (pages 1-49 through 1-55)
    - Choose type (Breaker, Switch, Switch with Pull Box, Lug, or Pull Box)
    - Phase
    - Main Ampere Rating
    - Short Circuit Rating
  - Meter Stack Modules (pages 1-56 through 1-59)
  - Tenant Breakers, Field Installed (pages 1-56 through 1-59)
  - Accessories (pages 1-56 through 1-59)

### UL Standard Listing and File Numbers

Modular Metering Equipment	UL Standard for Safety	UL File No.
Meter Modules	No. 67 Panelboards E8741	
Main Modules		
-Breaker	No. 489 Molded Case Circuit Breakers	E11713
-Switch	No. 98 Enclosed Switches	E9565
-Lug	No. 67 Panelboards	E8741
-Pull Box	No. 869 Service Equipment	E84701
Tenant Main Breakers		
-THQL, TQD	No. 489 Molded Case Circuit Breakers	E11592
-THHQL, THQD	No. 489 Molded Case Circuit Breakers	E11592
-TMQL, TMQD	No. 489 Molded Case Circuit Breakers	E11713
Accessories		
-Meter	No. 414 Meter Sockets	E8741
-Other	No. 67 Panelboards	E8741

### Modular Metering System Short Circuit Rating -UL Listed

Available Short Circuit Current rms Symmetrical Amperes @ 240 Volts AC	Main Module <sup>1</sup>			Meter Module	Load Center	Panelboard
	Switch	Breaker	Lug	Tenant Main Breaker Type	Branch Breaker Type	Branch Breaker Type
10,000	All	All	All	THQL, TQD, TEB, TMQL, TMQD	THQP, THQL, TQDL	THQL, THQB
22,000	All	All	All	THHQL, THQD, TMQL, TMQD	THQP, THQL, TQDL	THQL, THQB
42,000	All	All	All	TMQL, TMQD	THQP, THQL, TQDL	THQL, THQB
65,000	All	400-600A: TMPSHB 800-1200A: TMPSB	All	TMQD	THQP, THQL, TQDL	THQL, THQB
100,000	All	400-600A: TMPSHB	All	TMQD	THQP, THQL, TQDL	THQL, THQB

<sup>1</sup>Main Pull Box Module is UL Listed for use with and at the short circuit rating of main switch and breaker modules.

### Short Circuit Interrupting Ratings

These panelboards have a maximum short circuit current rating of 100,000 RMS symmetrical amperes, 240 volts AC maximum. The actual rating depends on the branch breakers and the main breaker, if any, installed in or ahead of the panelboard. The correct combinations for various short circuit ratings follow. Any additional or replacement breakers must be a General Electric type, as indicated, with equal or greater interrupting capacity.

Maximum Short Circuit Rating, rms Symmetrical Amperes, 240 Vac or 120/240 Vac	Main Circuit Breaker	Branch Circuit Breaker
	When the breaker protecting the panelboard, separate or integral, is GE Type	And when the branch circuit breakers installed are GE Type
10,000	None, THQL, TQMV, SKH, SGD, SGH, SGL	THQP, THQL, THQLGF, TQD, THHQL, THQD, TMQD, TMQL
22,000	None, THHQL, THQMV, SKH, (300-1200A), SGD, SGH (125-600A)	THQP, THQL, THQLGF <sup>2</sup> , TQD, THHQL, THQD, TMQD, TMQL
42,000	TMQB, TMQL, 300V Class T Fuse (600A max.)	THQP <sup>3</sup> , THQL, THQLGF <sup>2</sup> , TQD, THHQL, THQD, TMQD, TMQL
65,000	SGD, SGH (125-600A)	THQL, THHQL, TQD, THQD, TMQB, TMQD, TMQL
100,000	TMQD, SGL (125-600A)	THQP <sup>3</sup> , THQL, THQLGF <sup>2</sup> , TQD <sup>4</sup> , THHQL, THQD <sup>4</sup> , TMQD, TMQL
100,000	300V Class T Fuse (400A max.)	THQP <sup>3</sup> , THQL, THHQL, TQD <sup>5</sup> , THQD <sup>5</sup> , TMQD, TMQL

<sup>2</sup>15-30A only.

<sup>3</sup>Suitable as branch breaker when tenant main provided is: THQL, THHQL, TMQL, TQD, TMQD.

<sup>4</sup>100-200A, 2-pole only.

<sup>5</sup>125-225A, 2- and 3-pole only.

### References:

Dimensions and Knockouts	Pages 1-61 through 1-64
Renewal Parts Catalog	DET-388
Construction Details Booklet	DET-395

