

Load Centers and Circuit Breakers

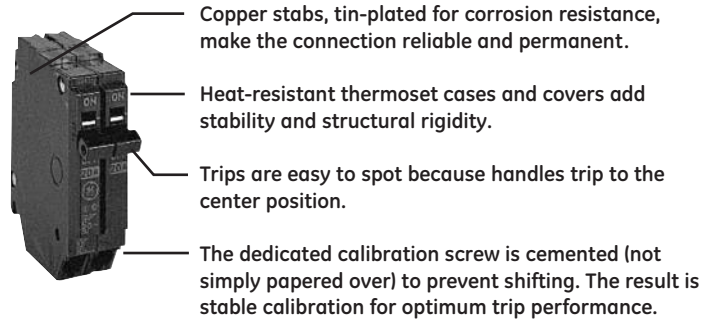
Q-Line Circuit Breakers

Section 1

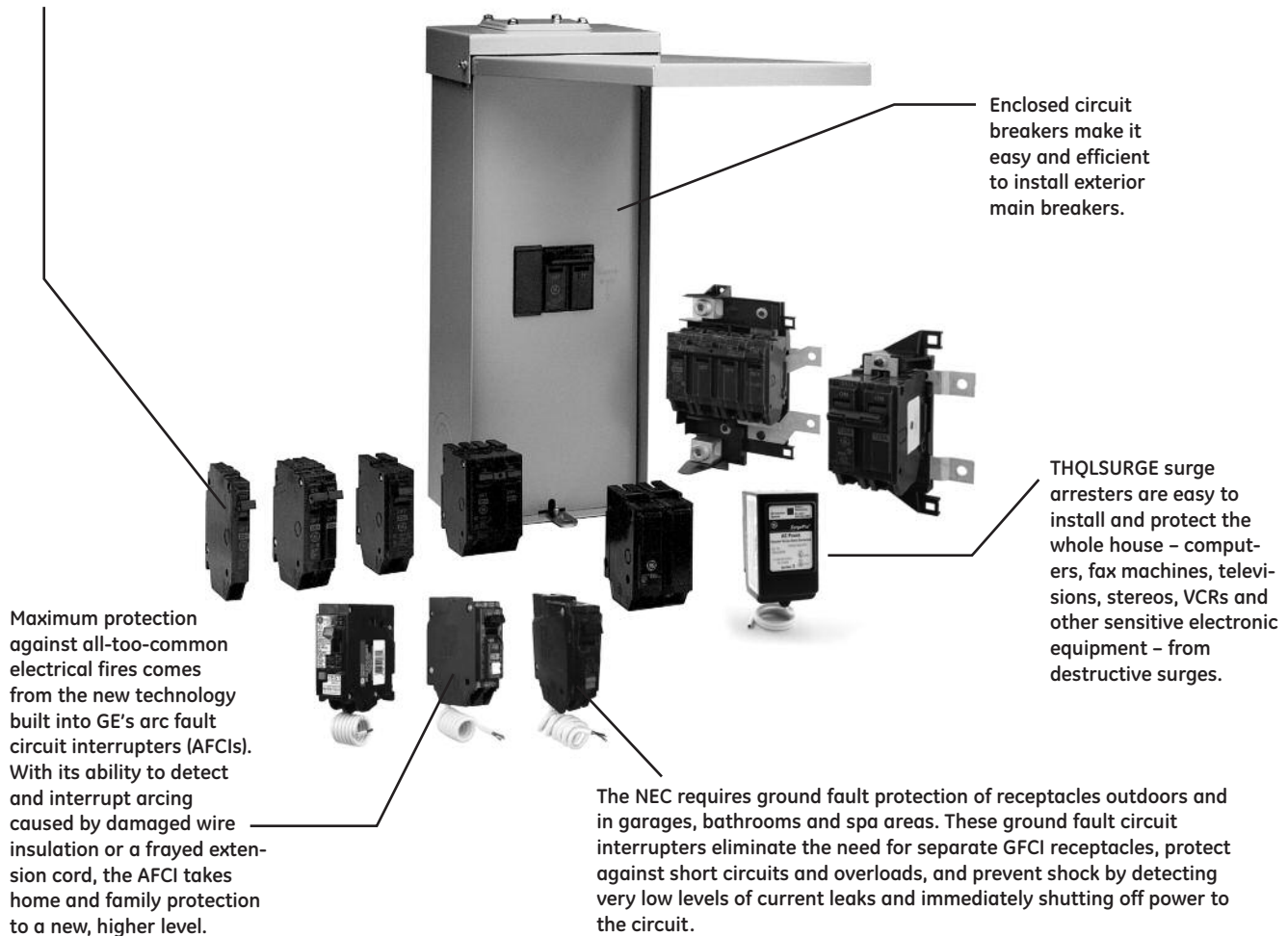
Reliability and Economy

Special Purpose Circuit Breakers

- PowerMark Gold Main Circuit Breakers
- Arc Fault Circuit Interrupter
- Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Breaker
- Ground Fault with Self-Test Feature
- Ground Fault with Equipment Protection
- Switching Neutral
- HID Lighting Breaker
- High Magnetic Breaker
- Molded Case Switch
- Surge Arrester
- TQ Breaker



At 1/2", THQP breakers are half the width of standard breakers, permitting the use of smaller load centers that save money and space in both new construction and service upgrades. They feature the same high-performance design, and meet the same stringent standards as other Q-Line breakers. Our 1" THQL will remain the breaker of choice for many contractors. In applications where space and cost are not critical, they're an excellent choice. But when size and money are driving considerations, THQP breakers are the smart choice.



Load Centers and Circuit Breakers

PowerMark Gold Load Centers

Highest Quality and Convenience

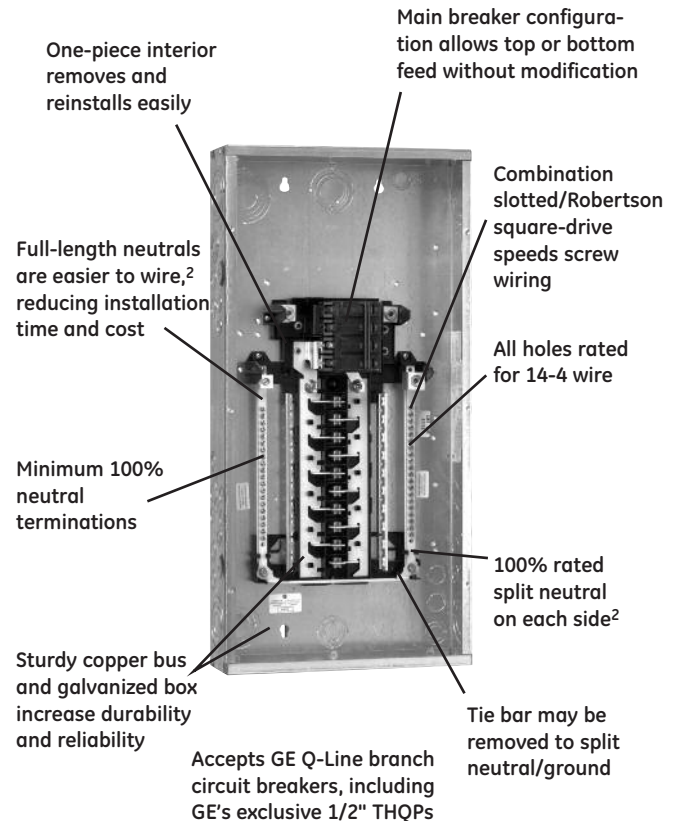
Section 1

PowerMark Gold load centers lower your costs by making installation faster and easier, increasing application flexibility and reducing inventory requirements. At the same time, they deliver obvious and significant advances in design, function and quality.

- UL Listed (Panelboards No. 67)
- Service Barriers included for factory installed main circuit breaker and main circuit breaker kits (required to meet UL67 for service entrance applications)
- Suitable for Use as Service Entrance Equipment when installed in accordance with National Electrical Code
- 60°C/75°C Conductor Rating
- Single phase, 40-225A, 2-42 circuits
- Main lug models field convertible to main breaker
- Main breaker 22kAIC standard - factory installed
- All load centers top or bottom feed
- Indoor and outdoor rated enclosures
- Indoor fronts combination surface/flush
- Copper bus with tin plating standard¹
- Split neutrals extend the full length of the interior for ease of wiring
- Entire main lug line converts easily to main breaker
- Combination surface/flush front with spring-reinforced pan
- Combination slotted/Robertson square-drive screws on neutral,² ground, front and breaker lugs
- Front packed in inner carton for added protection
- Field installable feed-through lugs up to 200A
- Straight-through main wiring
- Main breaker is clearly marked and circuit numbers are stamped on front
- Isolated ground bar is available
- Compact box maintains optimum wire-bending space

Packaging features comprehensive selection and application data. Fronts are packed in inner cartons for added protection during shipment and at the job site.

Main lug load centers offer an economical solution for subpanels and similar applications. All main lug units 125A and above convert easily to main breaker.



A complete family of meter socket load centers — ring style and ringless, wide and narrow, meter mains, farm panels and more — deliver specialized solutions for special situations.

The PowerMark Gold line includes a wide range of outdoor as well as indoor units.

GE's residential load centers reach into commercial applications as well, with riser panels, auxiliary gutters, three-phase units with standard 22kAIC ratings, and all the accessories needed to complete the job.

Accessories and Options

- Door lock and handle
- Equipment ground kits
- Sub-feed and feed-thru lugs
- Front filler plates
- Handle lock and ties
- Hardware kits
- Main breaker retainers
- Neutral kits
- Universal raintight hubs

¹Three-phase PowerMark Plus load centers have aluminum bus with copper breaker mounting stabs.

²16 circuit and above.

Safety accessories – convenient and easy to install

- THQLSURGE whole house surge protector
- Arc fault circuit interrupter breaker, 1- or 2-pole
- Ground fault circuit interrupter breaker, 5mA and 30mA
- Generator transfer panel – 30A or 60A, indoor or outdoor
- GE AC disconnects
- Service Barrier Kits



Load Centers and Circuit Breakers

PowerMark Gold and Plus Load Centers

Section 1

Product Number Guides

Product Number Guide for Load Centers

(Product number for illustrative purposes only)

T	M	42	4	20	C	CU	B
GE Identification							
Type							
M = Main breaker							
L = Main lug							
LM = Convertible							
PL = Main lug (Thermoplastic)							
Maximum Number 1" Spaces							
2, 4, 6...42							
Insert for 3-Phase 4-Wire Load Centers							
						Insert for Specials	
						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)	
						W = White Front	
						Insert for PowerMark Gold	
						CU = Copper Bus	
						42 = Copper Bus Full 42 circuit panel	
						Enclosure Type	
						C = Combination surface/flush	
						F = Flush	
						S = Surface	
						R = Outdoor	
						Bus Ampere Rating	
						40 = 40 Amps 20 = 200 Amps	
						70 = 70 Amps 22 = 225 Amps	
						10 = 100 Amps	
						12 = 125 Amps	
						15 = 150 Amps	

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

(Product number for illustrative purposes only)

T	H	QL	1	1*	15	GFT	
GE Identification							
Interrupting Rating							
H = 10kAIC							
HH = 22kAIC							
X = 65kAIC							
Type							
QL = 1" plug-in							
QP = 1/2" plug-in							
QB = 1" bolt-on							
Poles (1, 2, 3)							
						Ground Fault/Arc Fault Circuit Interrupter	
						AF2 = 1- & 2-pole Combination Arc Fault Circuit Interrupter	
						GFEP = 1- & 2-pole Ground Fault with Equipment Protection Interrupter-30 mA	
						GFT = 1- & 2-pole Ground Fault with Self-Test Feature Interrupter - 5 mA	
						DF = 1-pole Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Interrupter	
						Ampere Rating	
						Voltage	
						1 = 120/240V	
						2 = 240V	

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



Load Centers and Circuit Breakers

Q-Line Plug-in Circuit Breakers

Section 1

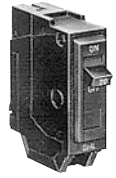
UL Listed (Molded Case Circuit Breakers No. 489)
 Federal Government Specification Qualified (WC-375B)
 60°C / 75°C Conductor Rating
 Quick Make, Quick Break
 Box Type Terminals



THQP130



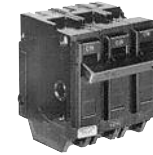
THQP230



THQL1120



THQL2140



THQL32015

Q-Line Plug-in Circuit Breakers Specifications

Breaker Type	Ampere Rating	Wire Size AWG/kcmil ¹	
		Cu	Al
THQP	15-25	14-8	12-8
	30-50	8-4	8-4
THQL	15-30	14-8	12-8
THHQL	35-60	8-3	8-3
TXQL	70-100	6-1/0	4-1/0
	110-125	2-2/0	2-2/0

¹Solid or stranded for 14-10 AWG

Q-Line Plug-in Circuit Breakers

120/240 Vac Ampere Rating	10,000AIC			22,000AIC		65,000AIC
	Type THQP 1/2-inch Module	Type THQL 1-inch Module		Type THHQL 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	Product Number	Product Number	Product Number	Product Number	Product Number
Single Pole ¹						
15 ²	THQP115	THQL1115	-	THHQL1115	-	TXQL1115
20 ²	THQP120	THQL1120	-	THHQL1120	-	TXQL1120
25	THQP125	THQL1125	-	THHQL1125	-	TXQL1125
30	THQP130	THQL1130	-	THHQL1130	-	TXQL1130
35	THQP135	THQL1135	-	THHQL1135	-	-
40	THQP140	THQL1140	-	THHQL1140	-	-
45	THQP145	THQL1145	-	THHQL1145	-	-
50	THQP150	THQL1150	-	THHQL1150	-	-
Std. Pkg.	5 cartons of 20	5 cartons of 10		5 cartons of 10		5 cartons of 10

Two-Pole³: Incorporates Internal Common Trip Bar

15	THQP215	THQL2115	THQL22015 ⁴	THHQL2115	THHQL22015 ⁴	TXQL2115
20	THQP220	THQL2120	THQL22020 ⁴	THHQL2120	THHQL22020 ⁴	TXQL2120
25	THQP225	THQL2125	THQL22025 ⁴	THHQL2125	THHQL22025 ⁴	TXQL2125
30	THQP230	THQL2130	THQL22030 ⁴	THHQL2130	THHQL22030 ⁴	TXQL2130
35	THQP235	THQL2135	THQL22035 ⁴	THHQL2135	THHQL22035 ⁴	-
40	THQP240	THQL2140	THQL22040 ⁴	THHQL2140	THHQL22040 ⁴	-
45	THQP245	THQL2145	THQL22045 ⁴	THHQL2145	THHQL22045 ⁴	-
50	THQP250	THQL2150	THQL22050 ⁴	THHQL2150	THHQL22050 ⁴	-
60	-	THQL2160	THQL22060 ⁴	THHQL2160	THHQL22060 ⁴	-
70	-	THQL2170	THQL22070 ⁴	THHQL2170	THHQL22070 ⁴	-
80	-	THQL2180	THQL22080 ⁴	THHQL2180	THHQL22080 ⁴	-
90	-	THQL2190	THQL22090 ⁴	THHQL2190	THHQL22090 ⁴	-
100	-	THQL21100	THQL22100 ⁴	THHQL21100	THHQL22100 ⁴	-
110	-	THQL21110	-	THHQL21110	-	-
125	-	THQL21125	-	THHQL21125	-	-
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

Three-Pole³: Incorporates Internal Common Trip Bar

15	-	-	THQL32015	-	THHQL32015	TXQL32015
20	-	-	THQL32020	-	THHQL32020	TXQL32020
25	-	-	THQL32025	-	THHQL32025	TXQL32025
30	-	-	THQL32030	-	THHQL32030	TXQL32030
35	-	-	THQL32035	-	THHQL32035	-
40	-	-	THQL32040	-	THHQL32040	-
45	-	-	THQL32045	-	THHQL32045	-
50	-	-	THQL32050	-	THHQL32050	-
60	-	-	THQL32060	-	THHQL32060	-
70	-	-	THQL32070	-	THHQL32070	-
80	-	-	THQL32080	-	THHQL32080	-
90	-	-	THQL32090	-	THHQL32090	-
100	-	-	THQL32100	-	THHQL32100	-
Std. Pkg.			5 cartons of 3		5 cartons of 3	5 cartons of 3

¹UL Listed as HACR (heating, air conditioning and refrigeration).

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

³15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

⁴Required for three-phase and High Leg Delta Systems only.

References:

Accessories Pages	1-24 thru 1-30
Auxiliary Switches and Shunt Trips	BuyLog pages 6-40 thru 6-42

