

Load Centers and Circuit Breakers

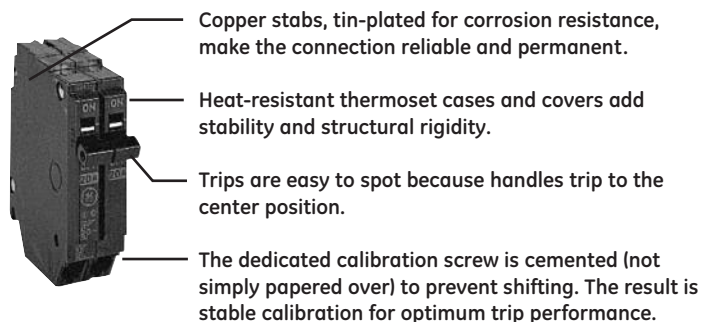
Q-Line Circuit Breakers

Reliability and Economy

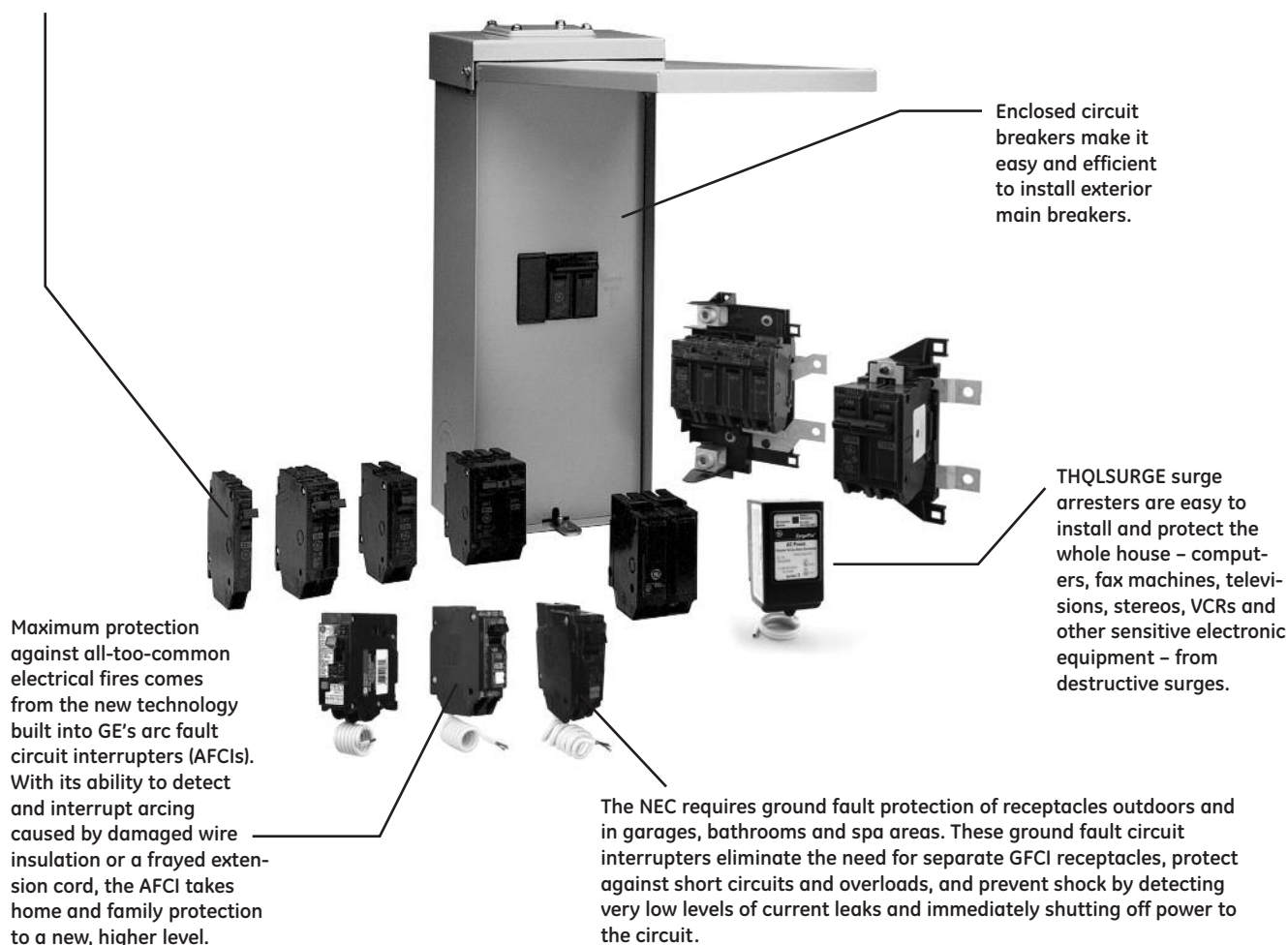
Section 1

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

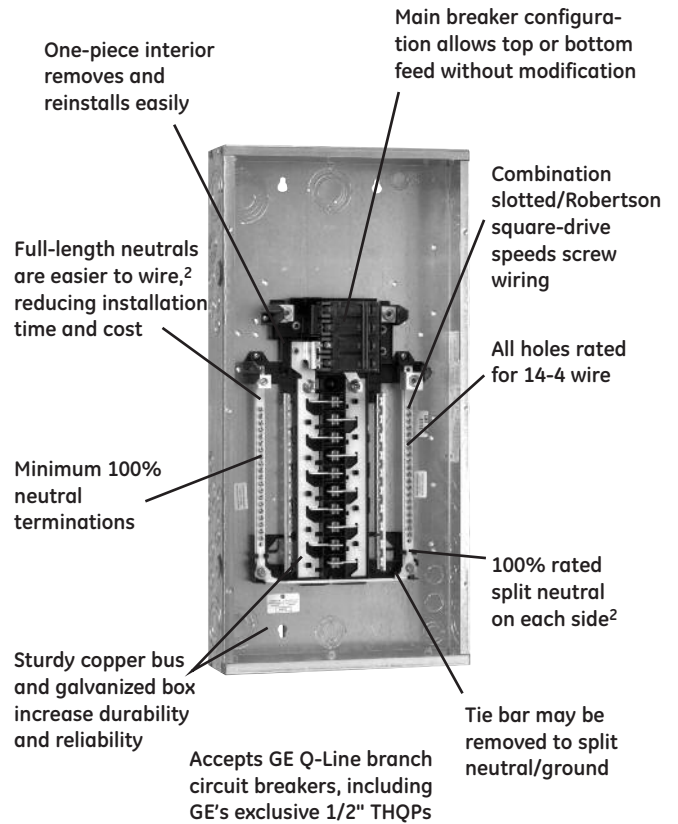
Section 1

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 stubs.

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

Product Number Guides

Section 1

Product Number Guide for Load Centers

(Product number for illustrative purposes only)

T		M		42		4		20		C		CU		B	
GE Identification														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	

Load Centers and Circuit Breakers

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

Section 1

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
	35-60	8-3	8-3
THHQL	70-100	6-1/0	4-1/0
TXQL	110-125	2-2/0	2-2/0

¹Solid or stranded for 14-10 AWG



THQP130



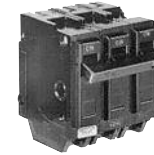
THQP230



THQL1120



THQL2140



THQL32015

Q-Line Plug-in Circuit Breakers

	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
Ampere Rating	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



Load Centers and Circuit Breakers

Special Purpose Circuit Breakers

60°C / 75°F Conductor Rating

Box Type Terminals

Quick-Make, Quick-Break

Multi-pole Breakers Incorporate Internal Common Trip

Section 1

Molded Case Switches

UL Listed

Without overload or short circuit protection.

Ampere Rating	2-Pole	3-Pole
	Product Number	Product Number
120/240 Volts ac		
60	TQL21Y60	-
100	TQL21Y100	-
240 Volts ac		
60	TQL22Y60	TQL32Y60
100	TQL22Y100	TQL32Y100
Std. Pkg.	5 cartons of 5	5 cartons of 3



TQL21Y100



TQ1120



TQ2120

Interlocking Circuit Breakers for use in PowerMark Gold Generator Panels

Two breakers required for interlocking.

Poles	Ampere Rating	Product Number
2	30	THQL2130GEN
2	60	THQL2160GEN

TQ Circuit Breakers

3/4" UL Classified Circuit Breakers for use in *Square D **QO Load Centers.

10 KAIC RMS symmetrical

Ampere Rating	1-Pole	2-Pole
	Product Number	Product Number
15	TQ1115	TQ2115
20	TQ1120	TQ2120
30	TQ1130	TQ2130
40	TQ1140	TQ2140
50	TQ1150	TQ2150
60	-	TQ2160
Std. Pkg.	1 carton of 10	1 carton of 5

THQL 120/240 Vac, with Factory Installed Shunt¹

# of Poles	Ampere Rating	Wire Range ²	120/240 Vac Interrupting Rating	Product Number
1	15	(1) 14-8 Cu/12-8 Al	10kA	THQL1115ST1
1	20	(1) 14-8 Cu/12-8 Al	10kA	THQL1120ST1
1	30	(1) 14-8 Cu/12-8 Al	10kA	THQL1130ST1
1	35	(1) 8-3 Cu/8-3 Al	10kA	THQL1135ST1
1	40	(1) 8-3 Cu/8-3 Al	10kA	THQL1140ST1
1	45	(1) 8-3 Cu/8-3 Al	10kA	THQL1145ST1
1	50	(1) 8-3 Cu/8-3 Al	10kA	THQL1150ST1

¹Shunt trip requires one additional pole of space.



THQL1130ST1

THQL 120/240 Vac, Internal Common Trip with Factory Installed Shunt¹

# of Poles	Ampere Rating	Wire Range ²	240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL2115ST1
2	20	14-8 Cu/12-8 Al	10kA	THQL2120ST1
2	30	14-8 Cu/12-8 Al	10kA	THQL2130ST1
2	35	8-3 Cu/8-3 Al	10kA	THQL2135ST1
2	40	8-3 Cu/8-3 Al	10kA	THQL2140ST1
2	45	8-3 Cu/8-3 Al	10kA	THQL2145ST1
2	50	8-3 Cu/8-3 Al	10kA	THQL2150ST1
2	60	8-3 Cu/8-3 Al	10kA	THQL2160ST1
2	70	6-1/0 Cu/4-1/0 Al	10kA	THQL2170ST1
2	80	6-1/0 Cu/4-1/0 Al	10kA	THQL2180ST1
2	90	6-1/0 Cu/4-1/0 Al	10kA	THQL2190ST1
2	100	6-1/0 Cu/4-1/0 Al	10kA	THQL21100ST1
3	20	14-8 Cu/12-8 Al	10kA	THQL32020ST1
3	30	14-8 Cu/12-8 Al	10kA	THQL32030ST1
3	40	8-3 Cu/8-3 Al	10kA	THQL32040ST1
3	50	8-3 Cu/8-3 Al	10kA	THQL32050ST1
3	60	8-3 Cu/8-3 Al	10kA	THQL32060ST1
3	70	6-1/0 Cu/4-1/0 Al	10kA	THQL32070ST1
3	80	6-1/0 Cu/4-1/0 Al	10kA	THQL32080ST1
3	90	6-1/0 Cu/4-1/0 Al	10kA	THQL32090ST1
3	100	6-1/0 Cu/4-1/0 Al	10kA	THQL32100ST1

²Solid or stranded for 14-10 AWG.

*Square D is a registered trademark of SNA Holdings, Inc. **QO is a registered trademark of the Square D Company.



THQL2120ST1



THQL32020ST1

