

# 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)

<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) W = White Front	
						<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>GF</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 AF2 = 1- & 2-pole Combination Arc Fault Circuit Interrupter GFEP = 1- & 2-pole Ground Fault Circuit Interrupter-30 mA GF3 = 1- & 2-pole self-test Ground Fault Circuit Interrupter - 5 mA	
						<b>Ampere Rating</b> 1 = 120/240V 2 = 240V	

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



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### Single-Phase, Three-Wire, 120/240 Vac

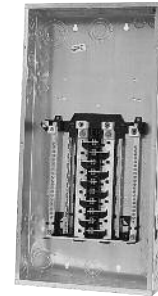
Main Lugs Convertible to Main Breaker

## Section 1

Load Center  
1PH  
Main Lug  
Indoor NEMA 1

### Product Features

- UL Listed (Panelboards No. 67)
- 60°/75°C Conductor Rating
- Suitable for Use as Service Entrance Equipment when Installed in Accordance with the National Electrical Code
- 22kAIC RMS symmetrical, Except Where Noted
- 6-42 circuit devices UL Listed for bottom mounted lugs by installing complete unit (box, interior and front) upside down.
- For a listing of CSA Listed load centers, visit geindustrial.com.



TLM2020CCU



TPL412R

### Main Lugs Factory Installed (TLM units convertible to main breaker), Indoor (NEMA 1) Enclosure

Main Ampere Rating	1 Pole, 1" Spaces	2 Pole, 1" Spaces	1 Pole, 1/2" Spaces	2 Pole, 1/2" Spaces	Total 1-pole Spaces	Front Type	Feed Type <sup>1</sup>	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
40	2	1	4	1	4	Surface	Top Bottom	1A	14-4	TGK4 (order separately)	TL240SCU <sup>1</sup>
70	2	1	4	1	4	Surface	Top Bottom	1A	6-3	TGK4 (order separately)	TL270SCU <sup>1</sup>
125	4	2	8	3	8	Combination Flush/Surface	Top Bottom	2A	1-2/0	TGL1 (order separately)	TL412C <sup>1,2</sup>
125	4	2	8	3	8	Combination Flush/Surface	Top Bottom	2A	1-2/0	TGL1 installed	TL412CT <sup>1,2,3</sup>
125	4	2	8	3	8	Thermoplastic	Top Bottom	2	1-2/0	TGL1 (order separately)	TPL412C <sup>1,2,3</sup>
125	4	2	8	3	8	Thermoplastic	Top Bottom	2	1-2/0	TGL1 installed	TPL412CT <sup>1,2,3</sup>
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612FCU <sup>4</sup>
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612FCUD <sup>4</sup>
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 installed	TLM612FCUDG <sup>4</sup>
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612SCU <sup>4</sup>
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612SCUD <sup>4</sup>
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 installed	TLM612SCUDG <sup>4</sup>
125	8	4	16	8	16	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812FCU <sup>4</sup>
125	8	4	16	8	16	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812FCUD <sup>4</sup>
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812SCU <sup>4</sup>
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812SCUD <sup>4</sup>
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 installed	TLM812SCUDG <sup>4</sup>
125	14	6	20	8	24	Combination Flush/Surface	Top Bottom	18	6-2/0	Included <sup>10</sup>	TLM1212CCU <sup>7,8</sup>
125	14	6	20	8	24	White Combo Flush/Surface	Top Bottom	18	6-2/0	Included <sup>10</sup>	TLM1212CCUW <sup>7,8,9</sup>

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# Load Centers and Circuit Breakers

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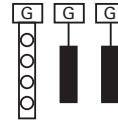
### Circuit Breakers

# Section 1

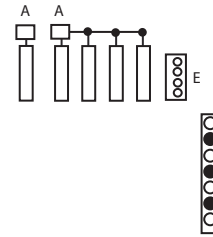
### Wiring Diagrams

Breaker Symbol	Breaker Fill	
	1" THQL	1/2" THQP
	1	—
	1	2

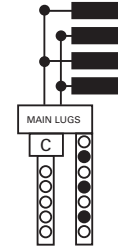
Terminal Symbol	Wire Range (AWG/kcmil)	
	Cu	Al
o	14-8	12-8
•	14-4	12-4
A	6-2	6-2
B	14-1/0	12-1/0
C	6-2/0	6-2/0
D	1-300	2/0-300
E	1-300	1-300
F	6-1	6-1
G	6-3	6-3



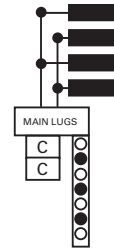
TL240SCU, RCU  
TL270SCU, RCU



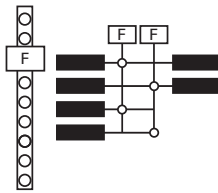
TL510RT



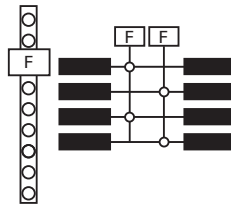
TPL412C, TL412C, TPL412R, TL412R1,  
TL412R2, TL412R250GF, TL412R260GF



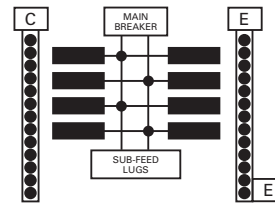
TPL412CT, TL412CT  
TPL412RT, TL412RT1



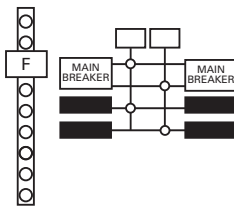
TLM612FCU, SCU  
FCUD, SCUD, RCU



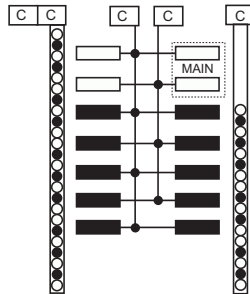
TLM812FCU, SCU,  
FCUD, SCUD, RCU



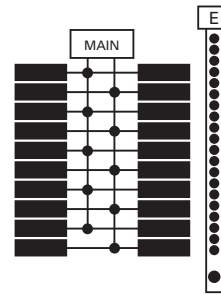
TM815RCUFL  
TM820RCUFL



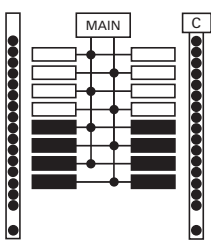
TM860FCUGEN, TLM830FCUGEN,  
TM860SCUGEN, TLM830SCUGEN,  
TM860RCUGEN, TLM830RCUGEN



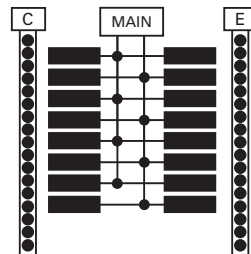
TM1210CCU, TM1212CCU, TLM1212CCU,  
TM1210RCU, TM1212RCU, TLM1212RCU



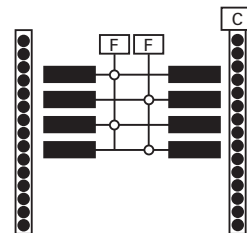
TLM2012CCURP



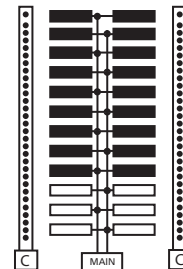
TLM1612CCU, TM1612CCU, TM1612RCU



TM1615CCU, TM1615RCU, TM1620CCU,  
TLM1620CCU, TLM1620RCU



TLM812RCU2



TM2420R42B

