

Load Centers and Circuit Breakers

PowerMark Gold and Plus Main Breaker Load Centers

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

Main Breaker Factory Installed

Section 1

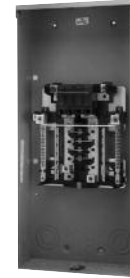
Load Center
1PH
Main Breaker
Indoor NEMA 1

Product Features

- UL Listed (Panelboards No. 67)
- 60°C/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.



TM2020CCU



TM820RCUFL

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	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
100	12	5	20	8	22	Combination Flush/Surface Front	Top Bottom	18	4-1/0	Included ¹	TM1210CCU ²
100	24	12	0	0	24	Combination Flush/Surface Front	Top Bottom	7	1-2/0	TGK24, TGK32 and TLK20 (order separately)	TM2410CCU
100	20	10	0	0	20	Combination Flush/Surface Front	Top Bottom	6	4-1/0	TGK24 (order separately)	TM2010CCU
100	32	16	0	0	32	Combination Flush/Surface Front	Top Bottom	11	4-1/0	TGK32 (order separately)	TM3210CCU
125	12	5	20	8	22	Combination Flush/Surface Front	Top Bottom	18	1-2/0	Included ¹	TM1212CCU ²
125	24	12	0	0	24	Combination Flush/Surface Front	Top Bottom	7	1-2/0	TGK24 (order separately)	TM2412CCU
125	16	8	16	6	24	Combination Flush/Surface Front	Top Bottom	4	1-2/0	TGK12 (order separately) TGK24 (order separately)	TM1612CCU
125	16	8	16	6	24	Combination Flush/Surface Front	Top Bottom	4	1-2/0	TGK24 installed	TM1612CCUG
150	16	8	32	14	32	Combination Flush/Surface Front	Top Bottom	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TM1615CCU
150	16	8	32	14	32	Combination Flush/Surface Front	Top Bottom	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 installed	TM1615CCUG

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Main Breaker
Indoor NEMA 1

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	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
150	32	16	0	0	32	Combination Flush/Surface	Top Bottom	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM3215CCU
150	24	12	36	18	42	Combination Flush/Surface	Top Bottom	9	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TM2415C42
150	32	16	20	10	42	Combination Flush/Surface	Top Bottom	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 and TLK20 (order separately)	TM3215C42
150	40	20	80	38	80	Combination Flush/Surface	Top Bottom	20	1-250 (Cu) 2/0-250 (Al)	Order separately if required	TM4015C80
200	16	8	32	14	32	Combination Flush/Surface	Top Bottom	7	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM1620CCU
200	16	8	32	14	32	Combination Flush/Surface	Top Bottom	8	1-250 (Cu), 2/0-250 (Al)	TGK32 installed	TM1620CCUG
200	20	10	40	18	40	Combination Flush/Surface	Top Bottom	8	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM2020CCU
200	20	10	40	18	40	White Combo Flush/Surface	Top Bottom	8	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately) TGK42 (order separately)	TM2020CCUW ³
200	20	10	40	18	40	Combination Flush/Surface	Top Bottom	8	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM2020CCUG
200	20	10	40	18	40	White Combo Flush/Surface	Top Bottom	8	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM2020CCUGW ³
200	32	16	16	6	40	Combination Flush/Surface	Top Bottom	11	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM3220CCU
200	40	20	0	0	40	Combination Flush/Surface	Top Bottom	13	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM4020CCU
200	32	16	20	8	42	Combination Flush/Surface	Top Bottom	11	1-250 (Cu), 2/0-250 (Al)	TGK32 and TLK20 (order separately)	TM3220C42
200	42	20	0	0	42	Combination Flush/Surface	Top Bottom	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4220CCU
200	32	16	64	30	64	Combination Flush/Surface	Top Bottom	19	1-250 (Cu), 2/0-250 (Al)	Order separately if required	TM3220C64
200	40	20	80	38	80	Combination Flush/Surface	Top Bottom	20	1-250 (Cu), 2/0-250 (Al)	Order separately if required	TM4020C80
225	42	20	0	0	42	Combination Flush/Surface	Top Bottom	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4222CCU

¹Load center includes a factory installed ground bar and add-a-lug. See wiring diagram on page 1-31. A separate TGL2 can be added in the unlikely event that another ground bar is required.

²No lock provision available. Use next size larger load center such as TLM1612CCU with a TDL106 accessory if locking provision is required.

³Minimum order QTY is 40 for below 24 circuits; QTY 24 for 24 circuits and above. (See DEE-590)

Load Center
1PH
Main Breaker
Outdoor NEMA 3R

Outdoor (NEMA 3R) Enclosure⁴

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	Feed Type	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
100	12	5	20	8	22	Top	R3A	4-1/0	5	TM1210RCU
100	20	10	0	0	30	Top	R4	4-1/0	TGK24 (order separately)	TM2010RCU
125	12	5	20	8	22	Top	R3A	1-2/0	5	TM1212RCU
125	24	12	0	0	24	Top	R4	1-2/0	TGK24 (order separately)	TM2412RCU
150	8	4	16	6	16	Top	R5	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM815RCUFL
150	16	8	32	14	32	Top	R5	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TM1615RCU
150	24	12	12	4	30	Top	R6	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TM2415RCU
150	24	12	36	18	42	Top Bottom	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM2415R42
150	32	16	0	0	32	Top	R7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM3215RCU
200	8	4	16	6	16	Top	R5	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM820RCUFL
200	20	10	40	18	40	Top	R6	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately) TGK42 (order separately)	TM2020RCU
200	24	12	36	18	42	Top Bottom	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM2420R42
200	32	16	16	6	40	Top	R7	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM3220RCU
200	40	20	0	0	40	Top	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM4020RCU
225	8	4	16	6	16	Top	R5	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM822RCUFL
225	42	20	0	0	42	Top	R8	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4222RCU

⁴100-225 amp devices have removable closing caps. Larger ampere devices require field-cut openings. Order hubs separately. See page 1-27.

⁵Load Center includes a factory installed ground bar and add-a-lug. See wiring diagram on page 1-31. A separate TGK12 or TGK24 can be ordered as accessories.

Note: See page 11-4, AL Series Lighting Panelboards as replacements for 300-600A load centers.

Load Centers and Circuit Breakers

PowerMark Gold and Plus Load Centers

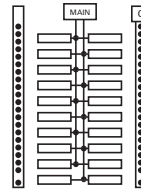
Circuit Breakers

Wiring Diagrams

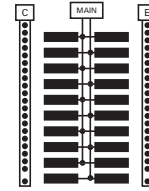
Section 1

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

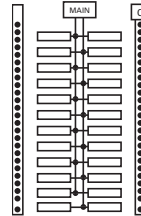
Terminal Symbol	Wire Range (AWG/kcmil)	
	Cu	Al
o	14-8	12-8
•	14-4	12-4
A	6-2	6-2
B	14-1/0	12-1/0
C	6-2/0	6-2/0
D	1-300	2/0-300
E	1-300	1-300
F	6-1	6-1
G	6-3	6-3



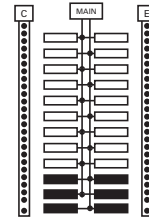
TM2010CCU, TM2010RCU



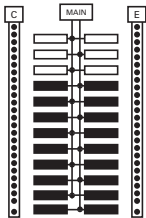
TM2020CCU, TM2020RCU
TLM2020CCU, TLM2020RCU



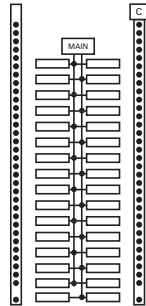
TM2410CCU, TM2412CCU
TM2412RCU, TLM2412CCU, TLM2412RCU



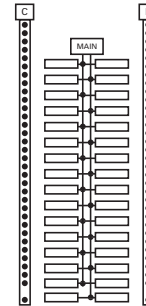
TM2415RCU, TLM2415RCU



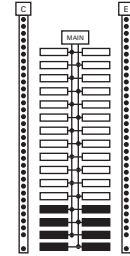
TLM2420C42, TM2415C42



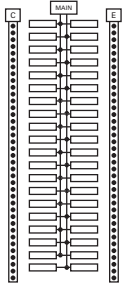
TM3210CCU



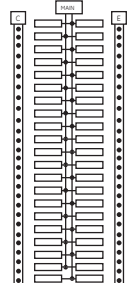
TM3215CCU, TM3215RCU



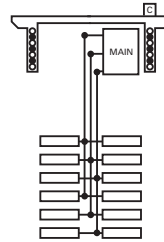
TM3220CCU, TM3220RCU,
TLM3220CCU, TLM3220RCU



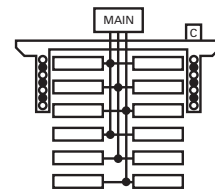
TM4020CCU, TM4020RCU
TLM4020CCU, TLM4020RCU



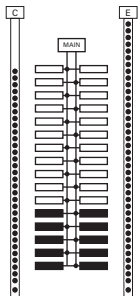
TM4222RCU, TLM4222CCU
TLM4222RCU, TM4222CCU



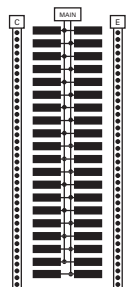
TM12410



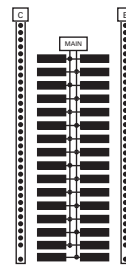
TLM12412



TM3215C42, TLM3220C42, TM3220C42



TLM4020C80G2, TM4020C80, TM4015C80



TLM3220C64G2, TM3220C64