

Load Centers and Circuit Breakers

PowerMark Gold and Plus Load Centers

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

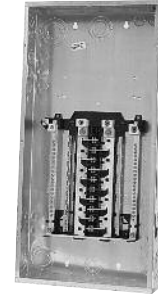
Main Lugs Convertible to Main Breaker

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 ¹	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 ^{1,8}
70	2	1	4	1	4	Surface	Top Bottom	1A	6-3	TGK4 (order separately)	TL270SCU ^{1,8}
125	4	2	8	3	8	Combination Flush/Surface	Top Bottom	2A	1-2/0	TGL1 (order separately)	TL412C ^{1,2,8}
125	4	2	8	3	8	Combination Flush/Surface	Top Bottom	2A	1-2/0	TGL1 installed	TL412CT ^{1,2,3,8}
125	4	2	8	3	8	Thermoplastic	Top Bottom	2	1-2/0	TGL1 (order separately)	TPL412C ^{1,2,3,8}
125	4	2	8	3	8	Thermoplastic	Top Bottom	2	1-2/0	TGL1 installed	TPL412CT ^{1,2,3,8}
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612FCU ^{4,8}
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612FCUD ^{4,8}
125	6	3	12	4	12	Flush	Top Bottom	3A	6-1	TGL2 installed	TLM612FCUDG ^{4,8}
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612SCU ^{4,8}
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM612SCUD ^{4,8}
125	6	3	12	4	12	Surface	Top Bottom	3A	6-1	TGL2 installed	TLM612SCUDG ^{4,8}
125	8	4	16	8	16	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812FCU ^{4,8}
125	8	4	16	8	16	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812FCUD ^{4,8}
125	8	4	16	8	16	Flush	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812FCUDG ^{4,8}
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812SCU ^{4,8}
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 (order separately)	TLM812SCUD ^{4,8}
125	8	4	16	8	16	Surface	Top Bottom	3A	6-1	TGL2 installed	TLM812SCUDG ^{4,8}
125	14	6	20	8	24	Combination Flush/Surface	Top Bottom	18	6-2/0	Included ¹⁰	TLM1212CCU ^{7,8}
125	14	6	20	8	24	White Combo Flush/Surface	Top Bottom	18	6-2/0	Included ¹⁰	TLM1212CCUW ^{7,8,9}

¹No door

²10 kAIC

³125 amp maximum branch capacity.

⁴For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-28, 100 amp max.

⁵For main breaker, order TQMH000. See page 1-24. Also order 2-pole THQL, THHQL, or TXQL circuit breaker. See page 1-5.

⁶For main breaker, order THQMVXXD circuit breaker from page 1-6.

⁷For main breaker applications, use reverse feed THQL breaker or THHQL circuit breaker (see page 1-5) and THQLRK3 breaker retainer (see page 1-28).

⁸No lock provision available. Use next size larger load center such as TLM1612CCU with a TDL106 accessory if locking provision is required.

⁹Minimum order QTY is 40 for below 24 circuits; QTY 24 for 24 circuits and above. (See DEE-590)

¹⁰Load 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.

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Load Centers and Circuit Breakers

PowerMark Gold and Plus Load Centers

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

Main Lugs Convertible to Main Breaker

Section 1

Load Center
1PH
Main Lug
Outdoor NEMA 3R

Main Lugs Factory Installed (TLM units convertible to main breaker), Outdoor (NEMA 3R) Enclosure¹

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 ¹ Type	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
40	2	1	4	1	4		Top	R1A	14-4	TGK4 (order separately)	TL240RCU
70	2	1	4	1	4		Top	R1A	6-3	TGK4 (order separately)	TL270RCU
100	5	0	0	0	5	Flush	Top	R41	6-3	TGL1 installed	TL510RT ^{2,8}
125	4	2	8	3	8		Top	R1A	1-2/0	TGL1 (order separately)	TL412R1 ²
125	4	2	8	3	8		Top	R1A	1-2/0	TGL1 installed	TL412RT1 ²
125	4	2	8	3	8		Top	R41	1-2/0	TGL1 (order separately)	TL412R2 ²
125	4	2	8	3	8	Thermoplastic Front	Top	R1	1-2/0	TGL1 (order separately)	TPL412R ^{2,3}
125	4	2	8	3	8	Thermoplastic Front	Top	R1	1-2/0	TGL1 installed	TPL412RT ^{2,3}
125	6	2	12	4	12		Top	R2A	6-1	TGL2 (order separately)	TLM612RCU ⁴
125	8	4	16	8	16		Top	R2A	6-1	TGL2 (order separately)	TLM812RCU ⁴
125	8	4	16	8	16		Top	R3A	6-1	TGL2 (order separately)	TLM812RCU2 ⁵
125	14	6	20	8	24		Top	R3A	6-2/0	Included	TLM1212RCU ^{7,9}
125	24	12	0	0	24		Top	R4A	6-2/0	TGK24 (order separately)	TLM2412RCU ⁵
							Bottom			TGK32 (order separately)	
150	24	12	12	4	30		Top	R6A	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TLM2415RCU ⁶
200	12	6	24	10	24		Top	R5A	6-250	TGK24 (order separately)	TLM1220RCU ⁶
200	16	8	32	14	32		Top	R5A	6-250	TGK32 (order separately)	TLM1620RCU ⁶
200	20	10	40	18	40		Top	R6A	6-250	TGK24 (order separately)	TLM2020RCU ⁶
							Bottom			TGK42 (order separately)	
200	24	12	36	18	42		Top	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TLM2420R42
200	32	16	16	6	40		Top	R7A	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TLM3220RCU ⁶
							Bottom				
200	40	20	0	0	40		Top	R8A	6-250	TGK42 (order separately)	TLM4020RCU ⁶
							Bottom				
225	42	20	0	0	42		Top	R8A	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TLM4222RCU ⁶
							Bottom				

¹40-225 amp single-phase devices have removable closing caps. Larger ampere devices require field-cut openings. Order hubs separately. See page 1-27.

²10 KAIC.

³125 amp maximum branch capacity.

⁴For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-28, 100 amp maximum due to wire bending requirements.

⁵For main breaker, order TQMH000. See page 1-24. Also order 2-pole THQL or THHQL circuit breaker. See page 1-5.

⁶For main breaker, order THQMXXXX circuit breaker from page 1-6.

⁷For main breaker applications, use reverse feed THQL or THHQL circuit breaker (see page 1-5) and THQLRK3 breaker retainer (see page 1-28).

⁸Main and branch breakers are limited to 70 amps.

⁹Load 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.

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