

# Rock Solid Load Centers

## Features

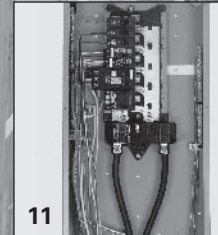
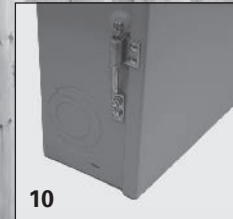
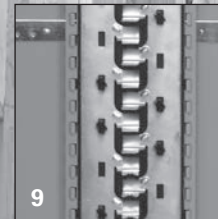
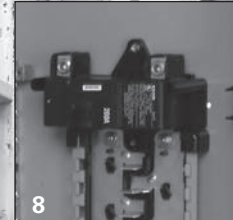
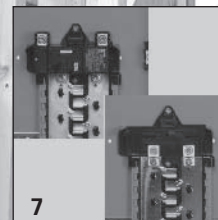
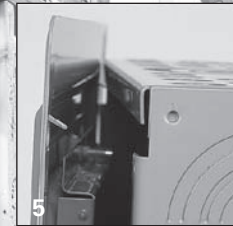
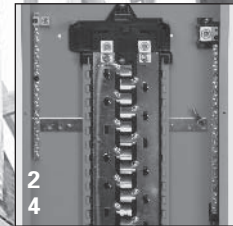
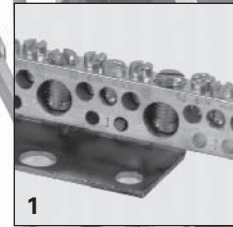
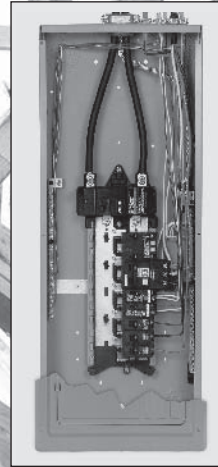
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MURRAY

Load Centers

The Murray Rock Solid Load Center is the highest quality, most versatile design in the industry. Features on the Rock Solid Load Center include:

1. "Swiss Cheese" style neutral bars provide multiple 1/0 connection points.
2. All units include factory installed ground bar and isolated neutral.
3. With the use of the included bonding strap, ground bars and neutral bars can be bonded for service entrance applications.
4. Outboard neutral and groundbars allow for all neutral and ground connections to be located away from breaker connections, making for a neat, clean installation.
5. Mounting tabs on the trim hold it in place on the load center, freeing up both hands to drive the trim screws.
6. Combination head screw on trim and upper pan screws provide installation flexibility.
7. All devices are convertible from main lug to main breaker or vice versa with the addition of main breaker or main lug kits.
8. All main breakers are straight in wired – no back feeding required.
9. A rigid, sturdy base pan with metal hook rails provides the most rugged breaker connection in the industry.
10. The outdoor enclosure has a slide hinge door for the easiest of installation and can be removed by backing out only one screw.
11. All indoor Rock Solid Load Centers are invertible for bottom feed applications.



The following offering is available in the Murray line:

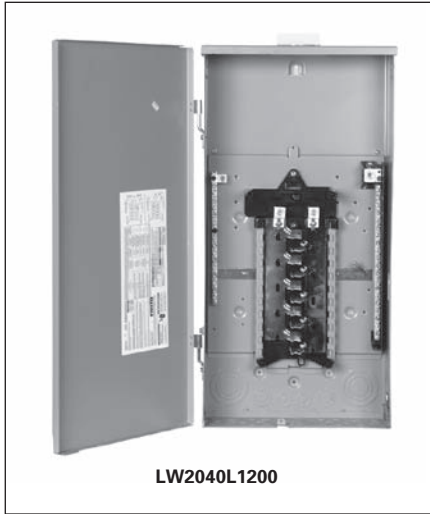
- 12-60 Circuits/Spaces
- Indoor and outdoor enclosures
- 100 to 225 Amp
- Main lug and main breaker
- Value packs - a mix of branch breakers provided with the load center

# Rock Solid Load Centers<sup>①</sup>

• Revised •  
02/26/12

**MURRAY**

## Main Lug Only, 1Ø, 65,000 AIC<sup>②</sup>, Main Lug Panels 3-Wire 120/240V AC or 208Y/120V AC, Insulated and Bonded Split Neutrals



Load centers on this page through 225 amp feature a split neutral insulated bars. For service entrance applications, install bonding strap, and use both bars for neutral and ground conductors. For non service entrance applications, do not install bonding strap and use insulated bars for neutral conductors and bonded bar for ground conductors.

### 12-42 Circuit, 125–225 Amperes

Amps Max.	No. of Spaces	Max. Circuit	Indoor Type 1 <sup>③</sup>	Dimensions <sup>④</sup>			Outdoor Type 3R <sup>③⑤</sup>	Dimensions <sup>④</sup>		
			Catalog Number	Height	Width	Depth	Catalog Number	Height	Width	Depth
125	12	24	LC1224L1125	21	14 $\frac{3}{8}$	4	LW1224L1125	20	14 $\frac{1}{4}$	4 $\frac{1}{2}$
125	16	32	LC1632L1125	21	14 $\frac{3}{8}$	4	LW1632L1125	29	14 $\frac{1}{4}$	4 $\frac{1}{2}$
125	20	40	LC2040L1125	24	14 $\frac{3}{8}$	4	LW2040L1125	29	14 $\frac{1}{4}$	4 $\frac{1}{2}$
125	30	40	LC3040L1125	30	14 $\frac{3}{8}$	4	—	—	—	—
150	16	32	LC1632L1150	24	14 $\frac{3}{8}$	4	—	—	—	—
150	24	40	LC2440L1150	30	14 $\frac{3}{8}$	4	—	—	—	—
200	12	24	—	—	—	—	LW1224L1200	29	14 $\frac{1}{4}$	4 $\frac{1}{2}$
200	20	40	LC2040L1200	30	14 $\frac{3}{8}$	4	LW2040L1200	29	14 $\frac{1}{4}$	4 $\frac{1}{2}$
200	24	40	LC2440L1200	30	14 $\frac{3}{8}$	4	—	—	—	—
200	30	40	LC3040L1200	36	14 $\frac{3}{8}$	4	LW3040L1200	38	14 $\frac{1}{4}$	4 $\frac{1}{2}$
200	40	40	LC4040L1200	39	14 $\frac{3}{8}$	4	—	—	—	—
225	40	60	LC4060L1225	39	14 $\frac{3}{8}$	4	—	—	—	—

### Copper Bus<sup>④</sup>

Amps Max.	No. of Spaces	Max. Circuit	Indoor Type 1 <sup>③</sup>	Dimensions <sup>④</sup>			Outdoor Type 3R <sup>③</sup>	Dimensions <sup>④</sup>		
			Catalog Number	Height	Width	Depth	Catalog Number	Height	Width	Depth
125	20	40	LC2040L1125CU	24	14 $\frac{3}{8}$	4	—	—	—	—
200	20	40	LC2040L1200CU	30	14 $\frac{3}{8}$	4	—	—	—	—
200	30	40	LC3040L1200CU	36	14 $\frac{3}{8}$	4	—	—	—	—
200	40	40	LC4040L1200CU	39	14 $\frac{3}{8}$	4	—	—	—	—
225	12	24	—	—	—	—	LW1224L1225CU	29	14 $\frac{1}{4}$	4 $\frac{1}{2}$
225	42	42	LC4242L1225CU	42	14 $\frac{3}{8}$	4	LW4242L1225CU	42	14 $\frac{1}{4}$	4 $\frac{1}{2}$

① Convertible to main breaker by using the following main breaker kits:  
100A load centers: MBK100M only.  
125A load centers: MBK100M and MBK125M only.  
150A load centers: MBK150M only.  
200A load centers: MBK150M and MBK200M only.  
225A load centers: MBK150M, MBK200M, and MBK225M only.

② 100-225A only.

③ Standard package quantity equal to 1.

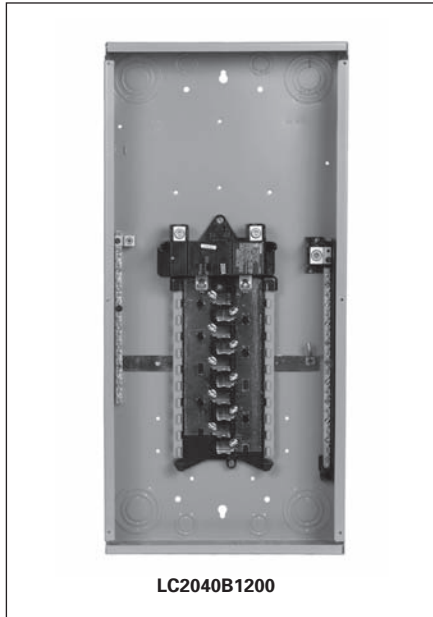
④ Dimensions shown are representative of outside box length, width & depth ( $\pm \frac{1}{8}$ ") and do not include allowance for mounting bumps, endwalls, hubs or hardware protrusions. Allow approximately 1 $\frac{1}{2}$ " additional in length and width dimensions for surface or combination overhang. Consult factory for specific details if required.

⑤ Hub provision only. Closure plate included. Panels through 225A require HS type hub; panels over 225A require HV type hub. See accessories page 3-8 for hub selection.

⑥ Copper bus load centers are recommended for those applications where the environment may be severe (ie farm and coastal areas).

# Rock Solid Load Centers

## Main Breaker, 10, 22,000 AIC<sup>①</sup>



LC2040B1200

Load centers on this page through 200 amp feature a new split neutral with one bonded and one insulated bar. For service entrance applications, install bonding strap, and use both bars for neutral and ground conductors. For non service entrance applications, do not install bonding strap and use insulated bar for neutral conductors and bonded bar for ground conductors.

### Load Center Short Circuit Current Rating

Murray load centers have UL recognized short circuit current ratings up to 100,000 Amps, when used with appropriate main or feeder (remote or internal) overcurrent devices. Load center ratings are shown below. For load center applications with residential or commercial metering equipment, refer to the appropriate catalog section.

10, main breaker load centers are Underwriter's Laboratories Listed for use with 60/75°C conductors and accept Murray branch circuit breakers which are also UL Listed for use with 60/75°C conductors. Type 3R load centers are furnished with a hub opening closure plate.

### Load Center Short Circuit Current Rating

Load Center Short Circuit Current Rating <sup>②</sup>	Load Center Main Rating	Internal or Remote Main or Feeder Circuit Breaker Type
10,000 AIC	Any	Any
22,000 AIC	100/125A	MP-HT, MQH <sup>③④</sup>
	150/200/225A	MD-H, MQH <sup>③④</sup> , MPP-HT <sup>③</sup>
42,000 AIC	100/125A	MQL <sup>③④</sup>
	150/200/225A	MQL <sup>③④</sup>
65,000 AIC	100/125A	MP-MT, MPP-MT <sup>③</sup>
	150/200/225A	MPP-MT <sup>③</sup>
100,000 AIC	100/125A	100A, 300V AC, Class "T" Fuse <sup>③</sup>
100,000 AIC	150/200/225A	200A, 300V AC, Class "T" Fuse <sup>③</sup>

## 12-42 Circuit, 100-200 Amperes

Amps Max.	No. of Spaces	Max. Circuit	Catalog Number	Dimensions <sup>⑤</sup>			Outdoor Type 3R <sup>⑥⑦</sup>	Dimensions <sup>⑤</sup>		
			Indoor Type 1 <sup>②</sup>	Height	Width	Depth	Catalog Number	Height	Width	Depth
100	12	24	LC1224B1100	18	14 $\frac{3}{8}$	4	LW1224B1100	23	14 $\frac{3}{8}$	4 $\frac{1}{2}$
100	16	32	—	—	—	—	LW1632B1100	23	14 $\frac{3}{8}$	4 $\frac{1}{2}$
100	20	40	LC2040B1100	24	14 $\frac{3}{8}$	4	—	—	—	—
100	24	40	LC2440B1100	24	14 $\frac{3}{8}$	4	—	—	—	—
100	30	40	LC3040B1100	30	14 $\frac{3}{8}$	4	—	—	—	—
150	16	32	LC1632B1150	24	14 $\frac{3}{8}$	4	—	—	—	—
150	20	40	LC2040B1150	30	14 $\frac{3}{8}$	4	LW2040B1150	29	14 $\frac{3}{8}$	4 $\frac{1}{2}$
150	24	40	LC2440B1150	30	14 $\frac{3}{8}$	4	—	—	—	—
150	30	40	LC3040B1150	36	14 $\frac{3}{8}$	4	—	—	—	—
200	12	24	—	—	—	—	LW1224B1200	29	14 $\frac{3}{8}$	4 $\frac{1}{2}$
200	16	32	LC1632B1200	30	14 $\frac{3}{8}$	4	—	—	—	—
200	20	40	LC2040B1200	30	14 $\frac{3}{8}$	4	LW2040B1200	29	14 $\frac{3}{8}$	4 $\frac{1}{2}$
200	24	40	LC2440B1200	30	14 $\frac{3}{8}$	4	—	—	—	—
200	30	40	LC3040B1200	36	14 $\frac{3}{8}$	4	LW3040B1200	38	14 $\frac{3}{8}$	4 $\frac{1}{2}$
200	40	40	LC4040B1200	39	14 $\frac{3}{8}$	4	LW4040B1200	38	14 $\frac{3}{8}$	4 $\frac{1}{2}$
200	30	54	LC3054B1200	36	14 $\frac{3}{8}$	4	—	—	—	—
200	40	40	LC4040B1200	39	14 $\frac{3}{8}$	4	—	—	—	—
200	40	60	LC4060B1200	40 $\frac{1}{2}$	15 $\frac{3}{8}$	5	—	—	—	—

## Copper Bus<sup>⑧</sup>

Amps Max.	No. of Spaces	Max. Circuit	Indoor Type 1 <sup>②</sup> Catalog Number	Dimensions <sup>⑤</sup>		
				Height	Width	Depth
100	20	40	LC2040B1100CU	24	14 $\frac{3}{8}$	4
200	20	40	LC2040B1200CU	30	14 $\frac{3}{8}$	4
200	30	40	LC3040B1200CU	36	14 $\frac{3}{8}$	4
200	40	40	LC4040B1200CU	39	14 $\frac{3}{8}$	4

① 100-225A only.

② This information is based on use of 10,000 AIC rated branch circuit breakers in load center (MP-T, MH-T, MP-GT, MG). Most series ratings exclude MH-T above 40 Amp. Consult device wiring diagram for specific data.

③ Remote Only

④ Types MQH & MQL may be mounted internal in 150-225 amp 30 main breaker load centers.

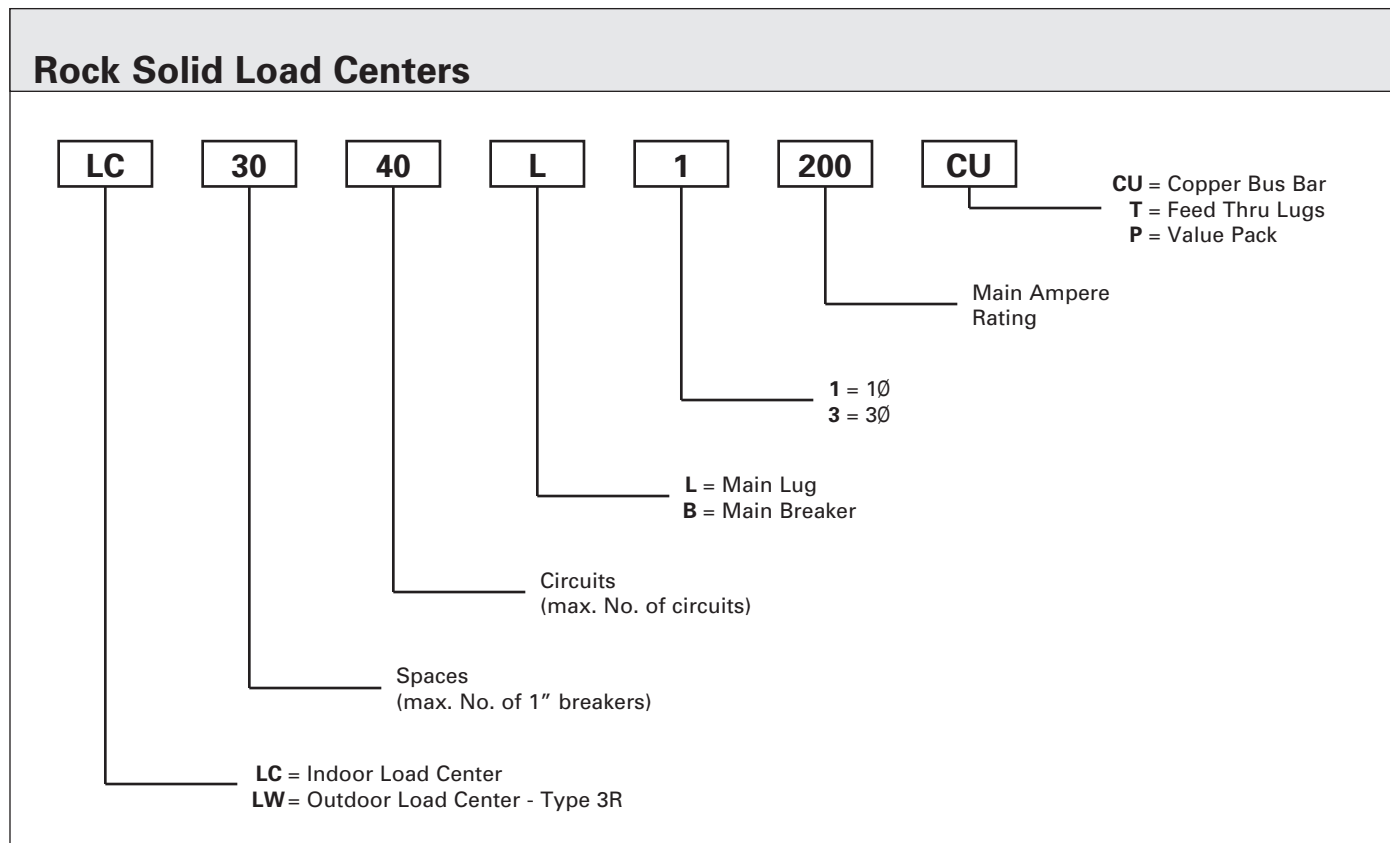
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⑥ Hub provision only. Closure plate included. Panels through 225A require HS type hub; panels over 225A require HV type hub.

⑦ Standard package quantity equal to 1.

⑧ Copper bus load centers are recommended for those applications where the environment may be severe (ie farm and coastal areas).

## Catalog Number Logic



**3**  
**MURRAY**  
**Load Centers**

## Lug Data

Amps	Phase	Wire Range <sup>①</sup> Main Lug Load Centers	Main Breaker Load Centers
60	1Ø	14-4	
100	1Ø	—	3-1/0
125 (4 CKT)	1Ø	14-2/0	—
(6 CKT & Above)	1Ø	4-2/0	4-2/0
150	1Ø	1/0-4/0	4-250 kcmil

Amps	Phase	Wire Range <sup>①</sup> Main Lug Load Centers	Main Breaker Load Centers
200	1Ø	4-250 kcmil	4-250 kcmil
225	1Ø	4-300 kcmil	4-300 kcmil
400 (24 and 42 CKT)	1Ø	(1)3/0-500 kcmil <sup>②</sup> (2)3/0-250 kcmil	(1or2)3/0-250 kcmil
400 (30 CKT Only)	1Ø	—	(1)3/0-500 kcmil (2)3/0-250 kcmil
400 (24 and 42 CKT)	3Ø	(1)3/0-500 kcmil <sup>②</sup> (2)3/0-250 kcmil	

① All lugs are rated for Cu or Al wire. Wire rang shown is maximum allowable for bending space provided. Lug may accommodate larger wire. Refer to National Electric Code for specific wire size requirements.

② 500 kcmil must be top side entry.