

## Outdoor Load Center

Catalog Number

**LW004TR** (FIELD INSTALLED MAIN REQUIRED)

Model

**20**

Enclosure

**Type 3R**

**LW204TL** (200 AMP MAIN BREAKER AND 2 INCH HUB PROVIDED)

**20**

**Type 3R**

### RATINGS:

200A MAXIMUM - See Main Breaker Rating.

120/240 V ~, 3 Wire, Single Phase

208Y/120 V ~, 3 Wire, Single Phase

For installation by a qualified person in accordance with all local electrical codes and/or the national electrical code ®.

Install only Murray type MD-A, MD-H, MD-TR or MD-HTR main breaker. Fasten main breaker. Fasten main breaker to panel with hold-down screw supplied with breaker or order LX378M hold-down kit.

Diagram indicates maximum number of breaker poles.

To reset breakers with tripped handle position between "ON" and "OFF", move handle to "OFF" then to "ON".

This panelboard is intended for installation into box number 76940-00.

### SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

#### Accessory Kits:

Closure Plate: ECHS000

1" Filler Plate: ECQF3

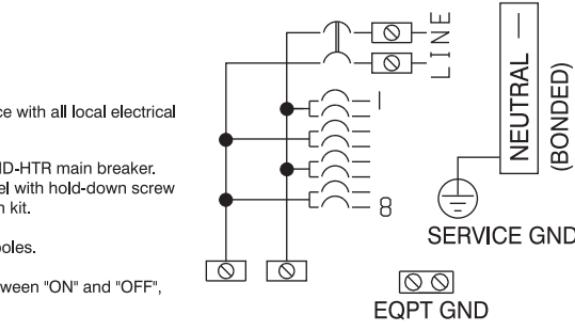
LW004TR Interlock Kits: ECSBPK02, ECSBPK05, ECSBPK06, ECSBPK07

LW204TL Interlock Kits: ECSBPK07

The short-circuit current rating of this panelboard is equal to the interrupting rating of the system of overcurrent devices installed as shown below. The only branch breakers which may be installed in the panelboard are those types listed in the PANELBOARD BREAKERS column. Types MD-A, MD-H, MD-TR or MD-HTR may be installed as mains. Except as otherwise noted, all breakers shown are Murray types.

#### GROUP MAIN or OTHER MAIN

Siemens type MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6



CONDUIT HUBS	
TRADE SIZE	CAT. NO.
3/4 INCH	ECHS075
1 INCH	ECHS100
1-1/4 INCH	ECHS125
1-1/2 INCH	ECHS150
2 INCH	ECHS200
2-1/2 INCH	ECHS250

SYSTEM INTERRUPTING RATING at 120/240 V ~

PANELBOARD MAIN	PANELBOARD BREAKERS	
MD-A, MD-TR	MP-T, MH-T, MD-A, MD-TR, MP-AT, MP-GT, MP-ET, MG, MW	10,000 A rms symm
MD-H, MD-HTR	MP-T, MP-ET, MH-T*, MP-GT, MP-HGT, MP-ET, MP-HET, MD-A, MD-H, MD-TR, MD-HTR, MP-AT, MP-HAT	22,000 A rms symm
MD-H, MH	MP-T, MP-ET, MH-T*, MP-GT, MP-HGT, MP-ET, MP-HET, MD-A, MD-H, MD-TR, MD-HTR, MP-AT, MP-HAT	22,000 A rms symm
MQL	MP-T, MP-ET, MD-A, MD-H, MD-TR, MD-HTR	42,000 A rms symm
MP-MT, MPP-MT	MP-T, MP-ET, MH-T**, MP-GT, MP-HGT, MP-ET, MP-HET, MD-A, MD-H, MD-TR, MD-HTR, MP-AT, MP-HAT	65,000 A rms symm
200 amp max. class T fuse	MP-T, MP-ET, MH-T, MP-GT, MP-HGT, MP-ET, MP-HET, MD-A, MD-H, MD-TR, MD-HTR, MP-AT, MP-HAT	100,000 A rms symm
MQL	MP-T, MP-ET, MH-T*, MP-GT, MP-HGT, MP-ET, MP-HET, MD-A, MD-H, MD-TR, MD-HTR, MP-AT, MP-HAT	42,000 A rms symm

\* MH-T 15-30 amp

\*\* MH-T 15-40 amp

ADDITIONAL OR REPLACEMENT BREAKERS MUST BE OF THE SAME MANUFACTURER, TYPE, AMPERE RATING AND INTERRUPTING CAPACITY AS THOSE LISTED ABOVE, SUCH THAT THE PANELBOARD SHORT CIRCUIT CURRENT RATING EQUALS OR EXCEEDS THE AVAILABLE SHORT CIRCUIT CURRENT.

IMPORTANT: THIS EQUIPMENT HAS BEEN DESIGNED FOR USE ONLY WITH THOSE CIRCUIT BREAKERS AS LISTED ABOVE. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

### USE CU/AL WIRE AT PANELBOARD LINE AND NEUTRAL TERMINALS.

SEE MARKINGS ON BREAKERS FOR THEIR WIRING AND TORQUE REQUIREMENTS.

BENDING SPACE MAY LIMIT MAXIMUM WIRE SIZE TO 4/0 AWG; THIS MAY RESTRICT MAIN AND/OR FEED-THROUGH TERMINALS TO COPPER WIRE IN SOME INSTALLATIONS.

SIZE WIRE ONLY TO 60°C OR 75°C AMPACITY LIMITS. SIZE WIRE IN ACCORDANCE WITH BREAKER MARKINGS AND WIRE BENDING SPACE REQUIREMENTS.

FEED-THROUGH TERMINALS (PHASE AND NEUTRAL) WIRE RANGE: 4 AWG - 250 kcmil. TORQUE: 225 LB-IN.

MAIN NEUTRAL TERMINAL WIRE RANGE: 4 AWG - 4/0 AWG. TORQUE: 225 LB-IN.

NEUTRAL BAR TERMINAL WIRE RANGE:

SMALL TERMINALS: 14-6 AWG CU; 12-6 AWG AL.

LARGE TERMINALS: 14-1/0 AWG CU; 12-1/0 AWG AL.

TIGHTEN NEUTRAL BAR AND EQUIPMENT GROUND BAR TERMINALS TO THE TORQUE SHOWN BELOW FOR THE WIRE INSTALLED.

WIRE SIZE	14-10 AWG	8 AWG	6 AWG	4-1/0 AWG
SMALL TERMINALS:	20 LB-IN	25 LB-IN	35 LB-IN	---
LARGE TERMINALS:	35 LB-IN	40 LB-IN	45 LB-IN	45 LB-IN

EQUIPMENT GROUND TERMINAL WIRE RANGE: 14-2/0 AWG, TORQUE: 50 LB-IN.

UNUSED NEUTRAL BAR TERMINALS MAY BE USED TO TERMINATE EQUIPMENT GROUNDING WIRES IN THE FOLLOWING COMBINATIONS:

SMALL TERMINALS: ONE 14 TO 6 AWG CU; ONE 12 TO 6 AWG AL; TWO 14 AWG CU; TWO 12 AWG CU; TWO 12 AWG AL SOLID WIRES.

LARGE TERMINAL: ONE 14 TO 2 AWG CU; ONE 12 TO 2 AWG AL; TWO OR THREE 14 AWG CU; TWO OR THREE 12 AWG CU OR AL; TWO 10 AWG CU; TWO OR THREE 10 AWG AL; THREE 10 AWG CU SOLID WHEN TORQUED TO 50 LB-IN;

4094816 Rev.E

### Murray Electrical Products

Siemens Industry, Inc.

Norcross, Georgia U.S.A.

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**MURRAY**

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Assembled in Mexico

IMPORTANT: DO NOT ALLOW PETROLEUM BASED (HYDROCARBON) SPRAYS, CHEMICALS, SOLVENTS OR ANY PAINT TO CONTACT INTERIOR COMPONENTS. PETROLEUM BASED CHEMICALS CAN CAUSE DEGRADATION OF ELECTRICAL INSULATING MATERIALS.

### DANGER

Hazardous Voltage.  
Will cause death, serious injury or substantial property damage.

Turn off power supplying this equipment before working inside.



### PELIGRO

Voltaje peligroso. Causará la muerte, lesiones graves o daño substancial a la propiedad.

Desconecte el suministro de energía a este equipo antes de trabajar en su interior.