

**Model**  
**MUR100SUL**



**Breaker Interlock**

FOR USE ON SIEMENS AND MURRAY PRODUCTS:  
Interlock Breaker types: QP to QP or QP to QPP (Siemens) and MPT to MPT or MP-T to MPP-T (Murray)

**INSTALLATION INSTRUCTIONS**

**⚠ DANGER**

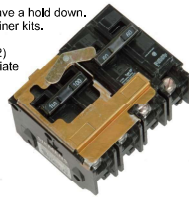
**Hazardous Voltage. Will cause death or serious injury.**  
Disconnect power before working on this equipment.



**⚠ PELIGRO**

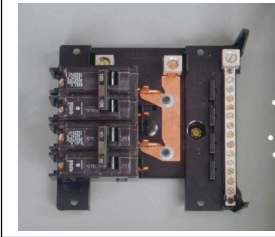
**Voltaje peligroso. Causará la muerte o heridas graves.**  
Desconectar la energía antes de trabajar en este equipo.

- 1) Turn off and lock off all power to the panel. Make sure all breakers being interlocked are in the "OFF" position.
- 2) Remove the trim or dead front (metal panel cover) if attached.
- 3) Install utility main breaker\*\* and standby power breaker into the panel side by side as shown (Fig. 1). If the kit is being used to interlock a 2-pole breaker with a 4-pole breaker, see alignment in Fig. 4. There will not be access to the breaker lugs once the interlock is installed, therefore make sure that the breaker is wired before installing the interlock kit.
- 4) The breaker that the larger part of the interlock kit is installed on must have a hold down. See product wiring diagram on door cover for acceptable main breaker retainer kits.
- 5) Hook the bottom of the bracket to the load side of the breaker as shown.
- 6) Rotate assembly onto the front of the breaker until the snap engages (Fig. 2)
- 7) Identify the utility breaker and standby breaker and place appropriate labels onto the face of the interlock assembly as shown (Fig. 3)
- 8) Verify that linkage prevents both breakers from being in the "ON" position at the same time.
- 9) Reinstall the trim or dead front and reconnect power.
- 10) If not already applied on the load center, apply adhesive backed label containing kit number ECSBPK02 in the vicinity of the wiring diagram.

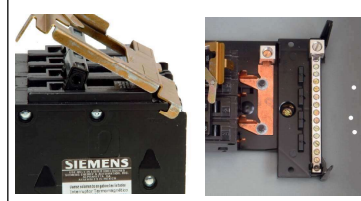


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Siemens Industry, Inc. Norcross, Georgia U.S.A. Assembled in Mexico

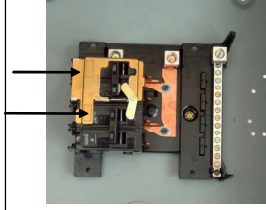
**FIG. 1 Breaker Alignment**



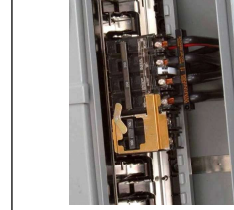
**FIG. 2 Install Interlock**



**FIG. 3 Apply Labels**



**FIG. 4 4-Pole Application**



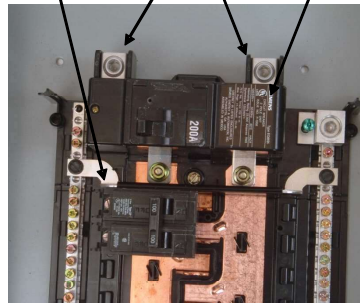
Standby power manual transfer interlock kits are intended to interlock two main breakers together so that both cannot be "ON" at the same time. This allows one main breaker to be connected to the incoming utility service, while the other is connected to a standby power supply. It is critical that both main breakers not be "ON" at the same time to eliminate hazardous line feedback.

When this interlock kit is installed, it is critical that the incoming service is directly connected to one of the main breakers being interlocked (Fig A). Panels in which the bussing or wire forms land onto lugs, rather than directly to the main, are not suitable for use with interlock kits because turning the main breaker off does not eliminate dangerous feedback to the utility lines (Fig B). Examples of some devices that are **not suitable** for interlock kits are listed below.

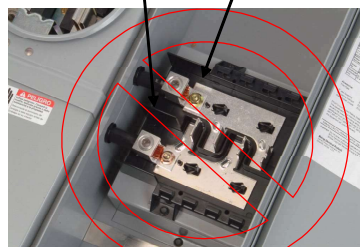
Devices **not suitable** for use with interlock kits for use in optional standby power systems

- |              |               |
|--------------|---------------|
| JA004*       | MC0606L1200*  |
| JA0606L1200* | MC0606ML12*   |
| JA1212L*     | MC1212L*      |
| JA904*       | MC1224MC1200* |
| JA912CS      | MM0406L1*     |
| JC0406L*     | MM0406ML1*    |
| JR912CS      |               |

**Fig. A**  
Standby Power Main Breaker Incoming Utility Service Utility Main Breaker



**Fig. B**  
Wire Forms Lugs



The "\*" stands for a wild card that may be one or more numbers and/or letters

This interlock kit is suitable for use on the catalog numbers listed in the table below when installed in accordance to NEC® and this instruction sheet.

ECSBPK02		
E0816ML1125*	JA1224B1125SEC	LW2040L1*
E1020MB1100FCGP	JA1632B1100SEC	LW2040L1200
E1224ML1100*	JA2442B1200*EC	LW3040L1200
G1212L1125*	LC008D*	MC0816B1200*CTM
G1224L1*	LC024PFR	MC1224B1100*EC
G1624L1125*	LC110DFCGP	MC1224B1125
G2020L1125*	LC1224L1125	MC1224B1125*EC
G2030L1*	LC1632L1*	MC1632B11***EC
G2040L1200*	LC2040L1*	MC2442B1200*EC
G2424L1125	LC2440L1*	W0816L1200CT
G2430L1125CUSG	LC3040L1*	W0816ML1125CU
G2440L1*	LC4040L1200*	W12**L1*
G3030L1200*	LC4242L1225CU	W1624L1125CU
G3040L1*	LW004TR	W2030L1150CU
G4040L1*	LW008NR	W2040L1200CU
G4242L1225CU	LW0816L1200TR	W3040L1*
JA0816B1200SCTM	LW1224L1*	W4040L1200CU
JA110A*	LW1224L1200	W4242L1225CU
JA1224B1100*EC	LW1632L1125	

NOTE: An \* in the middle of the catalog number is a wild card that represents ONE letter or number.

If the \* is at the end of the catalog number, it represents one or more letters or numbers.

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