

### Product description

A transfer switch panel is a device that is mounted next to or incorporated within the loadcentre (distribution panel) in the home or small business. The transfer switch panel is used in conjunction with an emergency generator (usually supplied by others) and serves the purpose of turning selected circuits on and off during a power outage. The transfer switch panel allows the owner to start up a generator and then restore power to critical circuits when utility power is not available.

The owner designates which circuits are critical such as their refrigerator, furnace, and certain lighting loads. Sometimes called emergency power panels, emergency generator panels, gen. panels, transfer switches or emergency panels; transfer switch panels provide the homeowner or small business owner with a safe and easy way to continue using essential electrical loads when utility power is not available.

### Application description

Transfer switch panels are most often used in residential, agricultural and light commercial applications. Comfort and safety are key concerns of many homeowners who are dependent on an uninterrupted supply of electricity.

The increase in our dependence on power is due in part to the popularity of home business and in-home care. In addition, various rural and urban regions in North America experience periodic power outages due to extreme weather conditions such as ice and snowstorms, heat waves, tornadoes or hurricanes. Regions such as Pacific, Atlantic, and Central are the strongest markets for portable generators and transfer switch panels.

### Features, functions, and benefits

Eaton offers two unique manual transfer switch emergency power solutions.

- Manual transfer switches or a generator sub-panel
- Combination service entrance loadcentre with generator sub-panel

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## IMPORTANT

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**BEFORE INSTALLATION, CONSULT APPROPRIATE ELECTRICAL CODES. INSTALLATION INFORMATION IS INCLUDED IN THE CARTON.**

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### Manual transfer switches/generator panels

- Main utility and emergency (generator) breaker factory installed
- Available in 30 and 60 A design
- Utility breaker and generator breakers are mechanically interlocked to protect equipment and personnel by preventing dangerous dual-source feeding
- Critical loads permanently connected to allow for quick and convenient switching from utility power to stand-by generator power
- Designed for switched neutral applications. Can be reconfigured in field for non-switched neutral applications
- Sturdy and reliable 125 A rated aluminum bus design
- Type BR/DNPL branch breakers sold separately
- Ideal for new and retrofit installations
- EEMAC 1 indoor enclosure design
- Standards and certifications
- CSA approved

### Product specifications

- 10,000 AIC rating
- Switching devices must be circuit breakers
- Transfer switch panel must be supplied with neutral and ground

### Combination service entrance loadcentre generator panel CBRPM236GEN

- Single enclosure (EEMAC 1) to house both loadcentre and generator breakers
- Factory installed main breakers
- Available in 200 A designs
- Utility and emergency transfer switch breaker factory installed
- Utility breaker and generator breakers are mechanically interlocked to protect equipment and personnel by preventing dangerous dual-source feeding
- Critical loads permanently connected to allow for quick and convenient switching from utility power to stand-by generator power
- Designed for switched neutral applications. Can be reconfigured in field for non-switched neutral applications
- Type BR/DNPL branch breakers sold separately
- Ideal for new and retrofit installations
- EEMAC 1 indoor enclosure design

### Standards and certifications

- CSA approved

### Product specifications

- 25,000 AIC rating for CBRPM236GEN
- Switching devices must be circuit breakers
- Transfer switch panel must be supplied with neutral and ground

# Manual transfer switches/generator panels

## Product selection

Table 55. Manual transfer switches/generator panels

Bus rating (A)	Generator breaker (A)	Switched neutral	Enclosure rating	Max. total branch circuits (1-inch/½-inch)	Inlet receptacle type	Height branch circuits in inches (mm)	Width in inches (mm)	Depth in inches (mm)	Catalogue number
125	30	Yes	EEMAC 1	6/12	—	16.75 (425.5)	14.38 (365.1)	3.88 (98.4)	<b>CBRPL112G3</b>
125	60	Yes	EEMAC 1	6/12	—	16.75 (425.5)	14.38 (365.1)	3.88 (98.4)	<b>CBRPL112G6</b>
125	60	Yes	EEMAC 1	14/28	—	21.00 (533.4)	14.38 (365.1)	3.88 (98.4)	<b>CBRPL120G6</b>
125	60	Yes	EEMAC 1	24/48	—	29.13 (739.8)	14.38 (365.1)	3.88 (98.4)	<b>CBRPL130G6</b>

Table 56. Combination service entrance loadcentre generator panel

Bus rating (A)	Loadcentre main breaker (A)	Max. total branch circuits (1-inch/½-inch)	Generator breaker (A)	Switched neutral	Max. generator branch circuits	Height in inches (mm)	Width in inches (mm)	Depth in inches (mm)	Catalogue number
200	200	36/72	60	Yes	6/12	49.00 (1244.6)	14.38 (365.1)	3.88 (98.4)	<b>CBRPM236GEN</b>

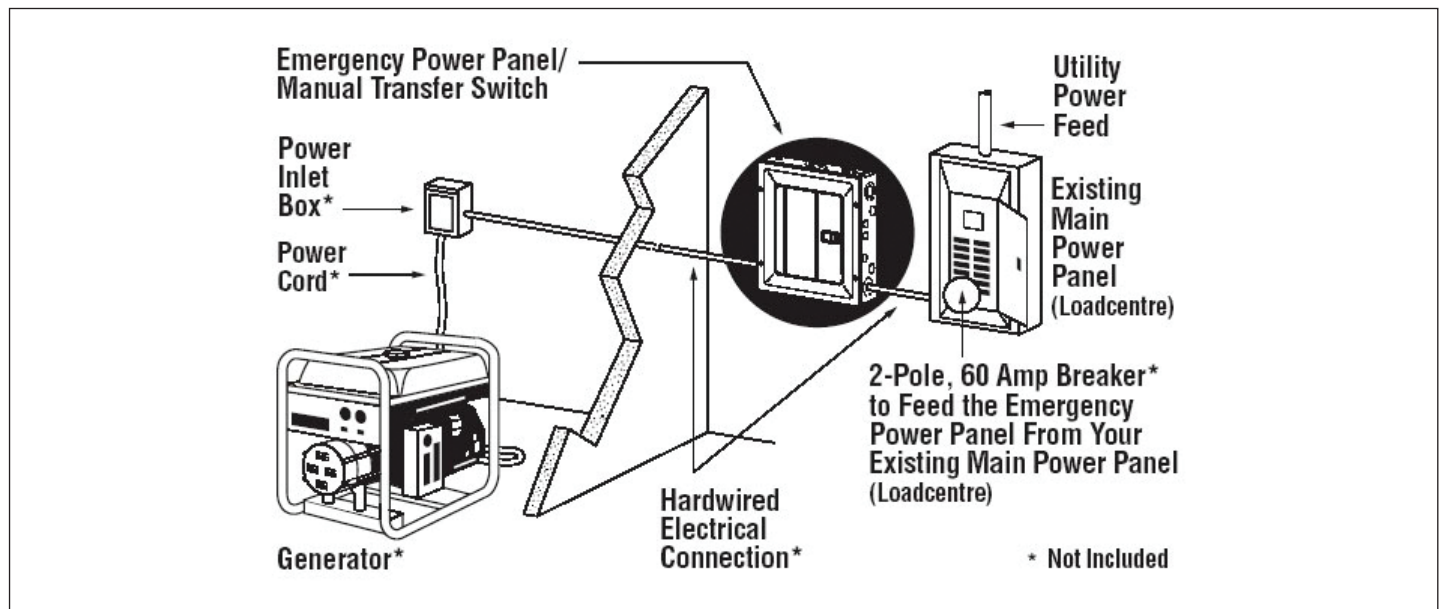


Figure 20. Typical installation diagram

### Notes:

Combination service entrance loadcentre generator panels come complete with an integrated emergency generator panel.

Combination service entrance loadcentre generator panels come complete with factory installed utility feeder breaker for emergency generator panel section.

\* Not Included