

# EATON

# Cutler-Hammer

## Generator Quick Connect

Product Focus



### Overview

Due to the many natural disasters and unforeseen crisis prevalent in today's world, your electrical service can no longer be taken for granted.



Prudent management must make provisions for electrical service disruptions that could cause the loss of perishable inventory, loss of HVAC service, customer service disruption, reduced productivity, loss of revenue, and safety hazards. When that unexpected power outage occurs due to blackouts, hurricanes, tornados, lightning

strikes, or other natural disasters, Eaton has a quick and easy solution for you. In conjunction with having a portable power supplier to provide a mobile, trailer-mounted generator delivered to your site, Eaton's Generator Quick Connect Switchboard is the answer to getting your facility back on line quickly.



Cam Lock Receptacles with Color Coded Generator Connections

Through the use of cam-type plug receptacles located on the outside of the switchboard, the portable generator can quickly be connected and thus restore that very important electrical power. The cam-type plug receptacles are readily accessible and eliminate cable connection guesswork, thus avoiding hazards associated with opening electrical panels and exposing workers to potentially dangerous conditions.

You cannot predict the future... but with Eaton's Generator Quick Connect Switchboard you can be prepared for the unexpected.



Typical Generator — Quick Connect Assembly (External View)

### Benefits of the Generator Quick Connect Switchboard

#### Reduce Downtime

The Generator Quick Connect Switchboard is ready for immediate connection during the most problematic situation. Once the Quick Connect Switchboard is installed:

- A permanent connection point for temporary mobile power.
- No additional field modifications required to the internal switchboard in order to connect the generator cables once it is installed.
- Eliminate the need to modify the facility's physical structure to accommodate generator cables (e.g., drilling holes in walls).
- No routing of cables through doorways, windows, hallways or through a staircase.



Typical Generator — Quick Connect Assembly (Internal View)

### Safer and More Reliable

- Reduce the potential safety hazards associated with connecting the mobile generator to the facility's electrical system under lost-power conditions.
- The Generator Quick Connect Switchboard can be installed under normal circumstances before a possibly chaotic lost power situation occurs.
- Eliminates the safety hazards of generator cables lying in the path of customers or employees. The facility doors and windows remain closed for security and safety reasons.

### Less Disruptive

The Eaton Generator Quick Connect Switchboard with the TYPE 3R rainproof enclosure can be installed in a location outside of the facility that will allow the parking of a mobile generator unit where it will have the least negative impact on entrances and parking areas.

### Reduce Emergency Costs

The costs associated with temporarily connecting mobile generators such as modifying switchboards, making physical modifications to buildings, and routing cables to connect the mobile generator are eliminated or greatly reduced.

### Easier to Manage

With the connection task greatly simplified, facility staff can direct their attention to other important situations that occur during electric service disruption.

### Features

#### Typical Generator — Quick Connect Assembly

- Detailed operating instructions mounted on front cover.
- The Generator Service Disconnect is a CSA approved circuit breaker key interlocked with the service disconnect.
- Ratings available up to 2500 amperes.

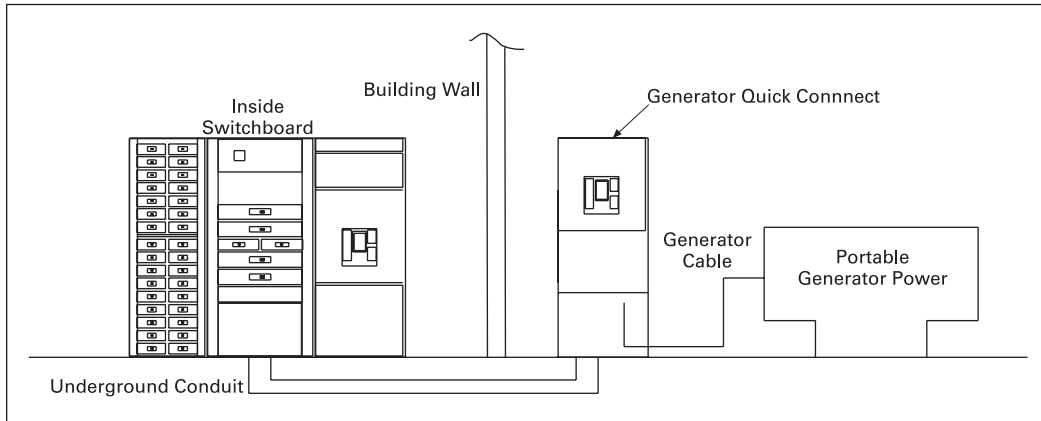
- Accessories include ground fault, shunt trip, auxiliary contacts and alarms.
- Colour-coded cam-type plug receptacles for easy connection to generator.
- Mechanical lugs are provided for alternate method of connecting generator cables.

### Standards

- CSA C22.2 #31 approved.
- All modifications applicable to Pow-R-Line C are available.
- Available in TYPE 1 (indoor) or TYPE 3R (rainproof) enclosure.



Bottom Flip Up Cover for Easy Access to Incoming Lugs or Cam Lock Receptacles



Generator Quick Connect Schematic

Cutler-Hammer is a federally registered trademark of Eaton Corporation. CSA is a registered trademark of the Canadian Standards Association.

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