



Installation Instructions For PowerMark Gold Generator Interlock Kit

Power Mark Gold™ Generator Interlock Kit FAC-GE200UL



WARNING: Hazard of electrical shock or burn.
Turn off power supplying this equipment before working inside.



General

To comply with the National Electrical Code and Underwriters Laboratories, the Generator Interlock kit must be installed in accordance with the information contained in this sheet and by a qualified electrical contractor and/or licensed electrician.

Introduction

This bulletin provides instructions for installing the interlock & circuit breaker retainer on 150 - 255A rated Model 6 PowerMark Gold™ GE Load centers.

The retainer is used to secure a 2-pole branch breaker on the load center interior in spaces 2 & 4 when the breaker is used as a back-fed main circuit breaker for generator power.

The interlock slides between the handle of the 4-pole main circuit breaker and the handle of 2-pole back-fed main circuit breaker to make sure that only one main circuit breaker is in the ON position at a time.

Installation

Step 1 – Install the Retainer

1. Uninstall the Dead front/shield and retain the mounting screws.
2. Install the 2-pole back-fed main circuit breaker in position 2-4 only. See the load center directory label or numbers stamped on the dead front/shield to locate position 2-4.
3. Install the conductors into the 2-pole back-fed circuit breaker. See the circuit breaker for wire range and tightening torque information.
4. Install the retainer and secure with the 2 nuts provided with the kit. Tighten to 35 lb-in(4Nm). See figure 1.

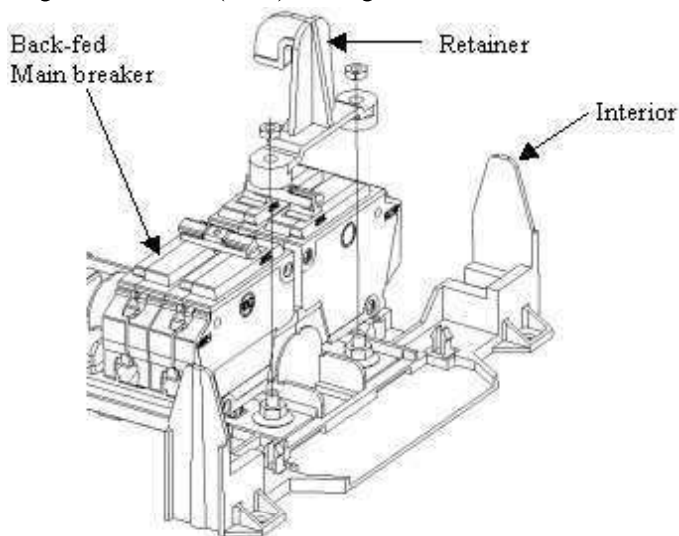


Fig 1

(4-pole Main breaker not shown)

Step 2 – Drill the Mounting Holes

The template is provided to ensure proper alignment of the interlock.

1. Locate the Dead front/shield removed earlier in Step 1.
2. Insert the folds of the template in the knockout of 4-pole main breaker and slide towards the branch breaker knockouts until it ceases to slide further. See figure 2.
3. Drill two pilot holes through the two identified holes in the template for mounting the interlock bracket using a 3/32 in. (.093) drill bit.
4. Remove the drill template and re-drill the two the pilot holes with 1/4 drill bit.
5. Turn the front/Shield over and remove the burrs from the holes.

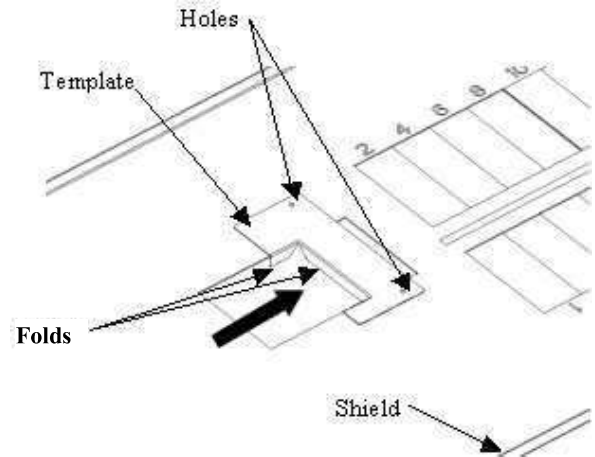


Fig 2

Step 3 – Mounting the Interlock

1. Turn the front/shield back to the front side and position the interlock over the two holes drilled in Step 2.
2. Mount the interlock using the 2 screws, washers, and nuts provided. Tighten to 45lb-in(5 Nm). See figure 3.
3. Make sure both 4-pole main and 2-pole back-fed circuit breakers are in the OFF position before reinstalling the dead front/shield to the load center.

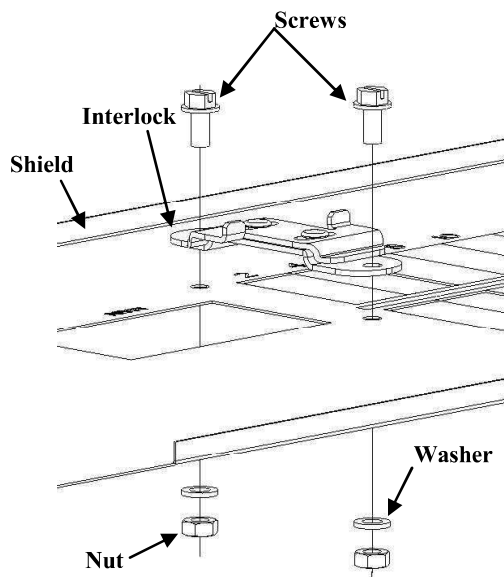


Fig 3

Interlock operation

To energize the panel from Generator Power.

1. Turn OFF the circuit breaker marked "Main"
2. Turn off all the branch circuit breakers
3. Move the sliding plate on the interlock towards the main breaker using the tabs provided.
4. Turn ON the 2-pole back-fed circuit breaker.
5. Turn ON the branch circuit breakers supplying critical circuits.

To energize the panel from Utility Power.

1. Turn OFF the circuit 2-pole back-fed breaker.
2. Turn off all branch circuit breakers
3. Move the sliding plate on the interlock towards branch breakers using the tabs provided.
4. Turn ON the branch circuit breakers that were previously turned OFF.

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