



# GS-AC-Gen-Kit

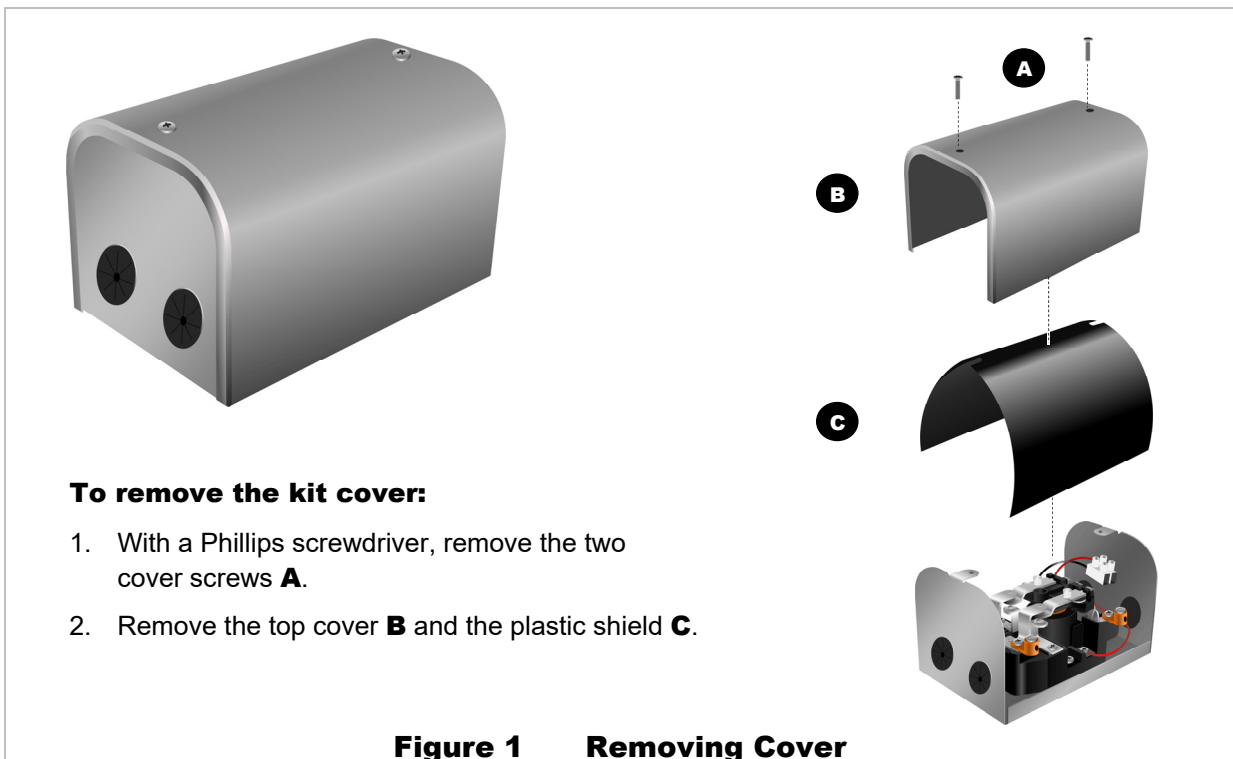
## Installation Instructions

### Purpose and Scope

These instructions detail how to install the AC Coupled Generator Protection relay into a Radian system. These instructions are for use by qualified personnel who meet all local and governmental requirements for licensing and training for the installation of electrical power systems with AC and DC voltage up to 600 volts. Installers must be familiar with all the features and functions, as well as this AC coupling application, before proceeding. An application note with more information is available on the OutBack website at [www.outbackpower.com](http://www.outbackpower.com).

	<p><b>NOTES:</b></p> <ul style="list-style-type: none"><li>❖ The relay assembly should not be mounted within the GS Load Center.</li><li>❖ All components are individually UL listed.</li></ul>
	<p><b>WARNING: Lethal Voltage</b></p> <p>Review the system configuration to identify all possible sources of energy. Ensure ALL sources of power are disconnected before performing any installation or maintenance on this equipment. Confirm that the terminals are de-energized using a validated voltmeter (rated for a minimum 1000 Vac and 1000 Vdc) to verify the de-energized condition.</p>

### Relay Installation



# GS-AC-Gen-Kit Instructions

## To make wiring connections:

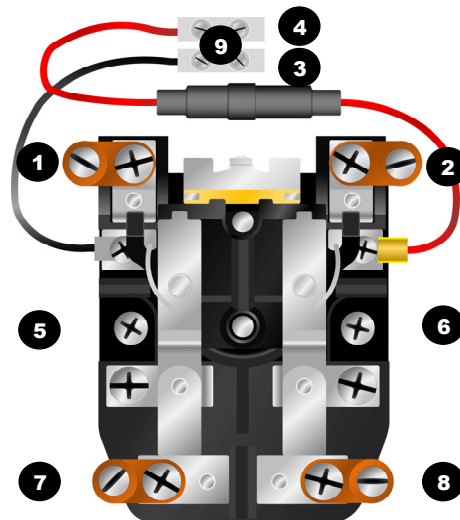
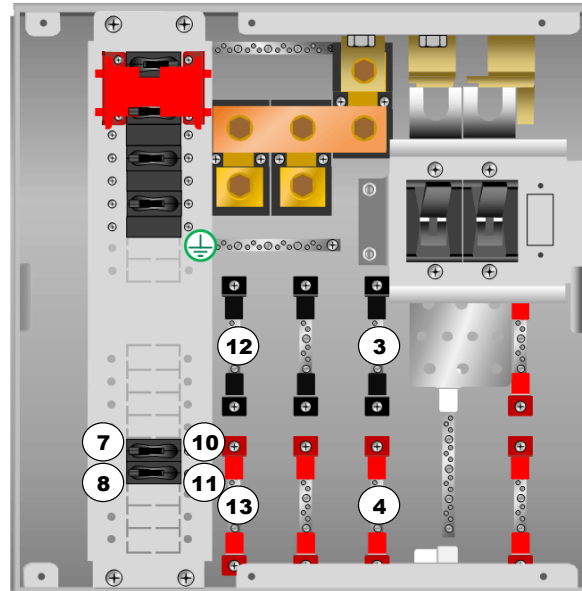
Make the listed connections between each numbered relay terminal and the corresponding GS Load Center terminal bus bar (TBB). Other GSLC connections are not shown here.

**NOTE:** The relay terminals **5** and **6** are not used in this application.

1. The relay coil terminals have been prewired to terminal block **9** and fused. Connect terminals **3** and **4** to each GSLC **AC GEN IN** TBB (L1 and L2).
2. Connect the relay NC terminals for both relay poles (**7** and **8**) to the left side of the AC circuit breakers.
3. Connect the right side of the circuit breakers (**10** and **11**) to each GSLC **AC OUT** TBB (**12** and **13**).
4. Connect the grid-interactive inverter output L1 and L2 to the relay COM terminals **1** and **2**.

## Installation is complete.

- Reassemble the cover by following the instructions in Figure 1 in reverse order.
- Perform all necessary programming for this application.



**Figure 2 Connections**

## Notice of Copyright

GS-AC-Gen-Kit Installation Instructions © March 2019 by OutBack Power. All Rights Reserved.

## Date, Part Number, and Revision

March 2019, 900-0251-01-00 Rev A

## Contact Information

Address: 17825 – 59<sup>th</sup> Avenue N.E.  
Suite B  
Arlington, WA 98223 USA

Website: <http://www.outbackpower.com>