

# BLUE RIDGE TECHNOLOGIES™

## UNIFIED LIGHTING CONTROL

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### RCS 1000 Migration Options

#### Overview

The RCS 1000 product was discontinued in 2006, and the controller board (LMB) and breaker (GHBS) are no longer manufactured. There are a few migration options and criteria to consider. The options below are ranked in order with the lowest cost option listed first and the highest cost option listed last, relative to each other.

#### Option 1:

Bypass the control function of the RCS 1000 panel, and utilize it as a breaker panel only. Then, install a Relay Panel adjacent to the RCS 1000 to provide the control functions. This option requires the purchase of Blue Ridge Relay Panel(s). Contact Blue Ridge for pricing and availability.

The existing RCS 1000 product performs two functions in a single panel (analogy: think combo TV / VCR). The first function of the RCS 1000 is circuit protection, and the second is control. The circuit protection function can remain with the RCS 1000 panel by bypassing / removing the controls. This is done by the following steps:

1. Remove control, 4-wires, between the controlled breakers (GHBS) and the output boards connected to the control (located behind the controller board in the controller enclosure)
2. Remove the controller enclosure from the RCS 1000 panel
3. Turn all controlled breakers (GHBS) OFF, and then back ON to restore the circuit protection function.

Note: As the controlled breakers (GHBS) fail, a standard Cutler Hammer breaker can be installed to replace it.

To restore the control function, install a Relay Panel adjacent to the existing RCS 1000 panel. This option has a lower equipment cost than Option 2. Under most circumstances, the total cost of this option is also less than Option 2. However, there are some installations (installations that have limited wall space) that will require substantial installation costs

#### Option 2:

Replace the RCS 1000 controlled breakers (GHBS) and the controller. This option requires the purchase of new controlled breakers (GHQRSP) from a local Cutler Hammer distributor, and the purchase of a Blue Ridge Universal Retrofit Kit. Contact Blue Ridge for pricing and availability.

The existing RCS 1000 controlled breakers can be replaced / upgraded to the currently produced, Cutler Hammer controllable breaker (GHQRSP). The new controlled breaker (GHQRSP) requires a different controller than the existing controlled breakers (GHBS). The new controller is the RKU, and it can be mounted up to 50 feet of wire length away from the controlled breaker. This option is the most expensive equipment option (primarily due to controlled breaker costs), but it requires less electrical labor than Option 1.

Note: RK1 is not an option for RCS 1000 products due to incompatibility between the RK1 controller and the existing output boards.