

## Controlling 240V Loads with the HPC10A

North America and some other regions of the world use an electric service having two lines at 120V to neutral and 240V between them. This configuration is often used for Pool Pumps, Commercial Lighting, Electric Dryers, and other appliances. The Heavy-Duty Power Controller (“HPC”) allows you to integrate these high voltage loads into your Control4 project.

When using the HPC to control a load powered by both legs of a “split phase” 240V service, the easiest way is to wire the controller as shown in the diagram below. Set the DIP switches on the controller to ON OFF ON ON; this will force both relays to activate at the same time, known as DPST (double pole, single throw) mode.

Once your wiring is done, add the HPC in composer and identify it. Then, add a generic proxy relay to represent the load you are controlling and bind it to the HPC’s “Relay A” output. Note that in DPST mode, Relay B automatically follows Relay A, so there is no need to bind Relay B. From there you can program the proxy relay’s actions as needed for your application.

