

KILLER APPLETT

UPB Home Automation Control

UPB Control of 220V Devices

BENEFITS

- **Convenience**—turn on / off 220V devices from anywhere, including outside
- **Economic**—save money by turning off high voltage appliances when not needed
- **Economic**—inexpensive control of 220V circuits using UPB commands and devices
- **Easily installed using:**
 - 1 SW-2, AM-01 or FXR-01
 - 1 220V DPST standalone relay

Use 120V UPB modules to control pumps, heaters etc.

THERE ARE SITUATIONS where you would like to control a 220V appliance using UPB. Examples of such devices are high voltage lighting, pool pumps, electrical water heaters, and spa heaters. Unfortunately, at the current time, there are no 220V UPB devices. But you can still control a 220V appliance using a UPB device such as an SW-2 switch and a DPST standalone relay.

The DPST relay is pretty self explanatory. You want to tie the output of the switch (SW-2 or similar) that is controlling it – load and neutral – to the two middle terminals down low. Then, you will see how to wire the other terminals with the wiring diagram that comes with the relay – the ones on the corners. Just take one of the 220V power leads into one of the corner terminal and take it back out the other side. Then, do the same thing with the other 220V power lead. Rather than using a switch to control the relay, you can also use an appliance module, but you'll have to hard wire the output of the AM-01 to the relay. Make sure that if you use a switch to control the relay, that you program the switch to disable dimming—make the switch ON / OFF.

The recommended relay is a Magnecraft relay 199AX-9. You can purchase through www.mouser.com (mouser part # 528-199AX-9). Make sure you mount the relay in a NEC approved mounting box.

Now, when you send a UPB signal to the SW switch to turn it on, it will apply voltage to its load—the coil of the relay—which energizes the relay, and causes the two normally open relays to close, thereby controlling your 220V circuit.



WHAT IS A KILLER APPLETT?

"Killer App" is industry jargon for an application that persuades users to buy the system it runs on.

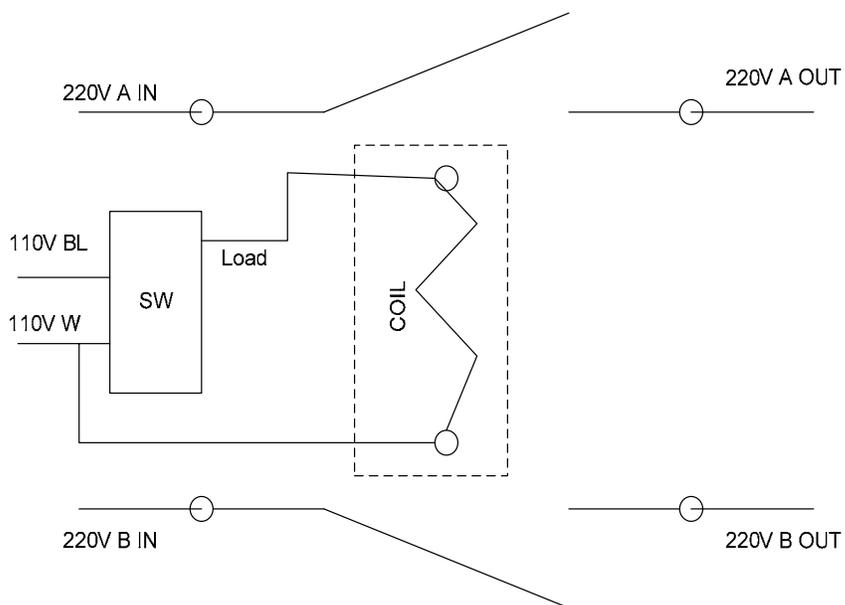
There is no single killer app for home control, but there are many Killer Applets — UPB-based applications that can satisfy your individual needs.

Take a look at our collection of Killer Applets and we think you'll agree: home automation using UPB is the right choice to enhance the safety, security, and comfort of your home.

For UPB product information email us at:

info@webmtn.com.

For immediate attention call: **720-207-9174**.



CAUTION: The information in this document is not professional electrical advice, but rather a description of an approach to solving a particular problem. If you are not completely proficient in electrical wiring, please consult with a professional. High voltage power is very dangerous and should only be handled by an experienced electrician.

For more details, contact Web Mountain Technologies.