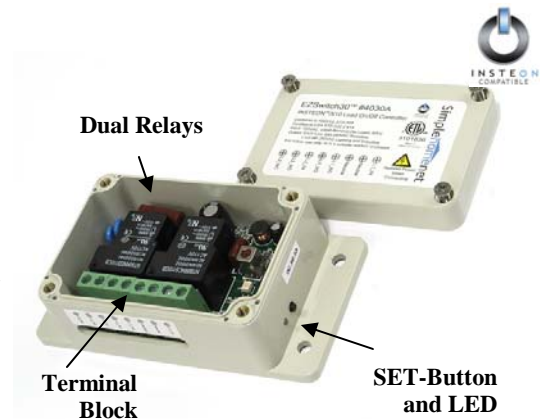


Quick-Start Guide—EZSwitch30™ Load On/Off Controller

Model #4030A

Your EZSwitch30 is a high current (30Amps) relay module that responds to INSTEON and X10 On/Off commands sent through the power line. The module contains dual relays that are simultaneously operated and offer normally-open or normally-closed contacts. Thus, it is possible to switch both legs of a 220VAC 2-phase circuit, and control the load to be activated with either ON or OFF commands. Activating with OFF commands might be desirable in cases where a failure in the switch would leave the load energized. The module derives its internal power and communicates with the INSTEON network from the neutral and line 1 (hot) connections.



EZSwitch30 has a built-in power line interface and its programming and control is done through the power line.

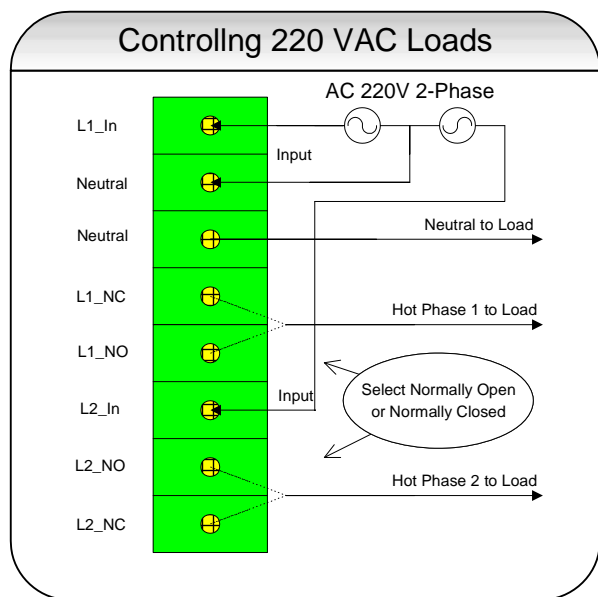
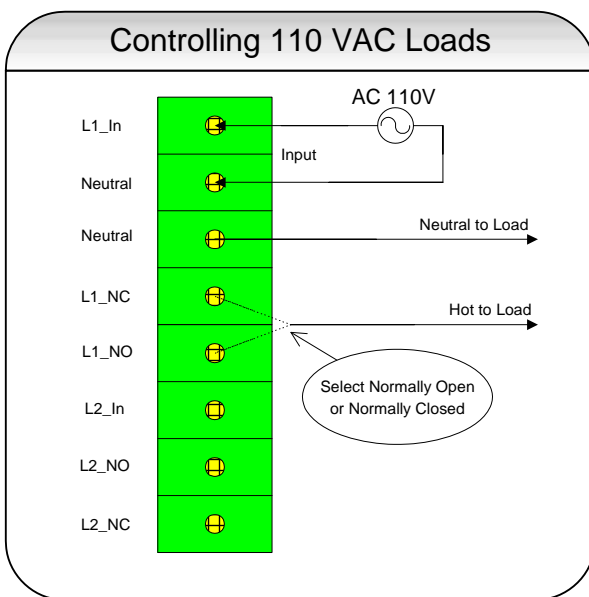
Installation

The unit has mounting tabs and screw holes suitable for mounting inside a cabinet or on a convenient surface. If using outdoors, please mount in an appropriately rated enclosure.



The use of 2 independent relays affords the ability to switch either a single 110V circuit or both legs of a 220V, 2-phase circuit. Because the second relay is totally independent, it is also possible to switch a separate load, even with a DC source. The figures below illustrate how to connect to either 110 VAC or 220 VAC. A table summarizing the connections can be found in the next page. The terminal block where all the connections are made is depicted below with its terminal names matching the label.

Connect power and the load to be switched per the figures below and the table found on the next page.



Connection Name	Function:	Connects to:
L1_In (Hot)	Line 1 (or Phase 1/Hot) Input	Phase 1 HOT on panel (normally black wire)
Neutral (2 terminals)	Neutral Line (common in 2-phase circuit)	Neutral on panel (Commonly a white wire) Neutral on Load (Commonly a white wire)
L1_NC	Line 1 (or Phase 1/Hot) Normally Closed Switched Output	Load (If activated with INSTEON OFF command)
L1_NO	Line 1 (or Phase 1/Hot) Normally Open Switched Output	Load (If activated with INSTEON ON command)
L2_In	Line 2 (or Phase 2/Hot) Input	Phase 2 HOT on panel
L2_NO	Line 2 (or Phase 2/Hot) Normally Open Switched Output	Load Line 2 (If activated with INSTEON ON command)
L2_NC	Line 2 Line (or Phase 2/Hot) Normally Closed Switched Output	Load Line 2 (If activated with INSTEON OFF command)

Using the switch manually:

Use the SET button to toggle activating the load on and off.

the X10 address followed by and “OFF” THREE TIMES from any X10 controller within 30 seconds. The EZSwitch30 Status LED will blink and then remain steadily on.

Linking the switch with an INSTEON controller (refer to the specific controller instructions):

On the controller, press and hold the ON button of choice until the Status LED on the controller blinks slowly. Then release the button. The controller is now listening for INSTEON devices to enroll.

On the EZSwitch30, press and hold the SET button until the LED flashes once to confirm linking (up to about 3 seconds). Then release. The Status LED on the controller will stop blinking, indicating a successful link. The EZSwitch30 will now respond to commands from the linked button on the controller.

Factory Reset:

To reset the EZSwitch30 to its original factory settings, disconnect the L1_In wire. Connect the wire again after 10 seconds **WHILE HOLDING THE SET BUTTON FOR 10 SECONDS**. Let go of the SET button. After several seconds, the Status LED will turn on, indicating a reset is complete.

Optional X10 Operation:

To give the EZSwitch30 an X10 address, press and hold the SET button for 3 seconds, then release. The Status LED will begin blinking. Now send the X10 address followed by an “ON” THREE TIMES from any X10 controller within 30 seconds. The EZSwitch Status LED will blink and then remain steadily on.

To remove an X10 address from the EZSwitch30, press and hold the SET button for 3 seconds, then release. Press and hold the SET button again for 3 seconds, then release. The Status LED will begin blinking. Now send