

FREQUENTLY ASKED QUESTIONS

What are the benefits of the LD11 DIN dimmer module?

The LD11 is an X-10 Din rail dimmer that allows the user to take advantage of remotely controlling 240V lights or low-voltage halogen lighting with a transformer. It has the ability to turn lights on/off as well as control light intensity from 0-100%. The LD11 features manual control, which takes advantage switching and dimming options the module has to offer but through a momentary switch. The LD11 can also handle a commendable capacity of lights, 700W, meaning that you can control banks of lighting at a time with a single LD11 module. And because it has been built to handle adverse environments, the LD11 can be used where other X-10 dimmers wont survive.



What kind of commands does the LD11 module respond to?

The LD11 DIN dimmer module responds “*standard X-10*” commands such as “on”, “off”, “Bright”, “Dim”, as well as universal commands regardless of the house code its set to, such as “All lights On” and “All units off.”

The module also responds to the “*professional X-10*” commands, which implements a memory dimming feature where retaining the light intensity as well as changing the lighting progressively or instantly.

What type of lighting equipment can be used and dimmed by the LD11 module?

Incandescent light bulbs

The LD11 DIN dimmer can control standard 240V bayonet cap and screw base incandescent light bulbs.

Halogen lights

The LD11 is ideally suited for halogen light.

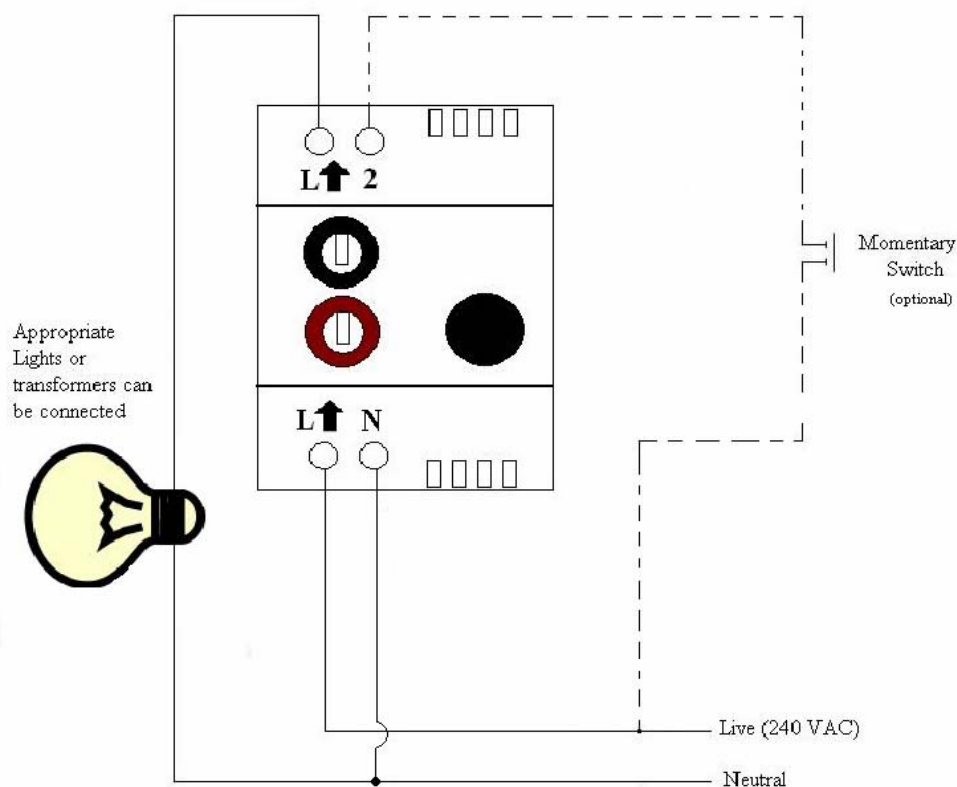
What are the safety features for the load connected?

The LD11 is equipped with a fuse for extra protection, which can be changed if it blows. This is especially handy when using halogen lighting.

How is the LD11 module wired to the lights that it controls * ?

The LD11's wiring is relatively simple and easy, the schematic below shows the wiring required for the LD11 to respond to X-10 signals as well as local control of dimming and brightening lights through a momentary switch.

The live and neutral are connected appropriately to a 240V ac source and a Neutral on the same phase, respectively. The bank of lighting or transformers which to be controlled should be connected where the light bulb is shown in the schematic. The momentary switch needs to be connected between the 2 terminal and the L terminal that is next to the N terminal.



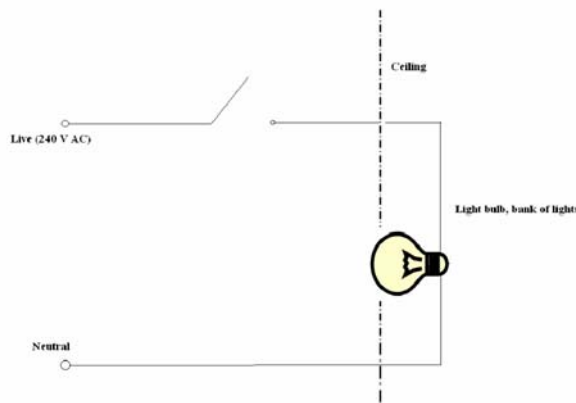
And that is all that needs to be wired up!

* WARNING!!

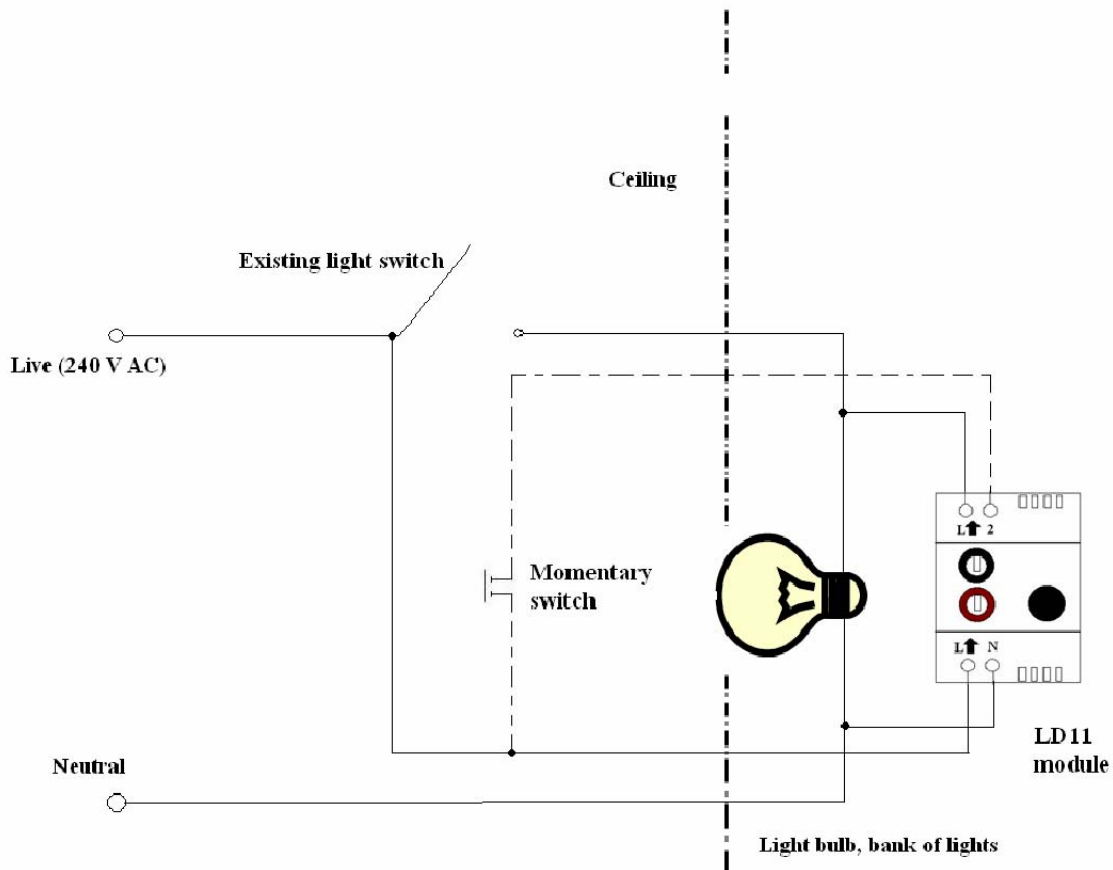
* when dealing with live lines make sure you carry out the appropriate steps to avoid electric shock. Having a qualified electrician to carry out the wiring is the safest way to avoid accidents.

But can't I use my existing switch and the LD11 module to control the lights* ?

Yes, there is a way but more trickier than the normal LD11 wiring. This method explained below conquers two main challenges of using the LD11 module. The fact that most existing wiring in homes don't have easy access to a neutral and thus extra wiring needs to be run to the N terminal on the LD11 module, and secondly existing switches are commonly not momentary switches. The schematics below explains how to modify the very typical wiring of lights and switches to accommodate for the use of the LD11. A big advantage of this method is that the functionality of the old switch still remains.



A typical wiring in found in most homes.



Modification needed to be made to existing wiring for the LD11 to work.