AC Dimmer



Produktkode: 689aa
Tilgjengelighet: 1
Weight: 30.00g

Pris: kr. 160,00

Kort beskrivelse
AC Dimmer Arduino Raspberry ESP8266 ESP32 HS Module 2A Snubber IoT 110V 220V

Beskrivelse

AC Phase Control Circuit (Dimming Circuit)

Leading Edge AC Dimmer for inductive and resistive loads

now available wiring diagramm for Raspberry boards

Module contains a Triac triggering coupled with zero-cross detector mechanism
for programming the intensity of incandescent lamps, AC LED dimmable bulbs, heating elements or fan speed controlled through a micro-controller.

Working voltage from 110v to 240v.
Auto detect 50Hz or 60Hz.
Zero-Cross detection (with zero/cross output pin SYNC).

Compatible with any ARDUINO, RASPBERRY boards.

Low voltage side and high voltage side is completely isolated.

Dimensions of the PCB 50mm x 60mm.

Four mounting holes diameter 3.2mm.

Connected LOAD current 2A long-term and 5A short-term.

Not for controlling via PWM signal !

NOT appropriate to change the brightness of fluorescent lamps !!!

For inductive load controlling must be connected RC snubber, search it in my store!!!

FREE ARDUINO codes for ARDUINO and RASPBERRY boards .

Warning: This project deals with AC electricity which is dangerous if you don’t know how to treat it safely.

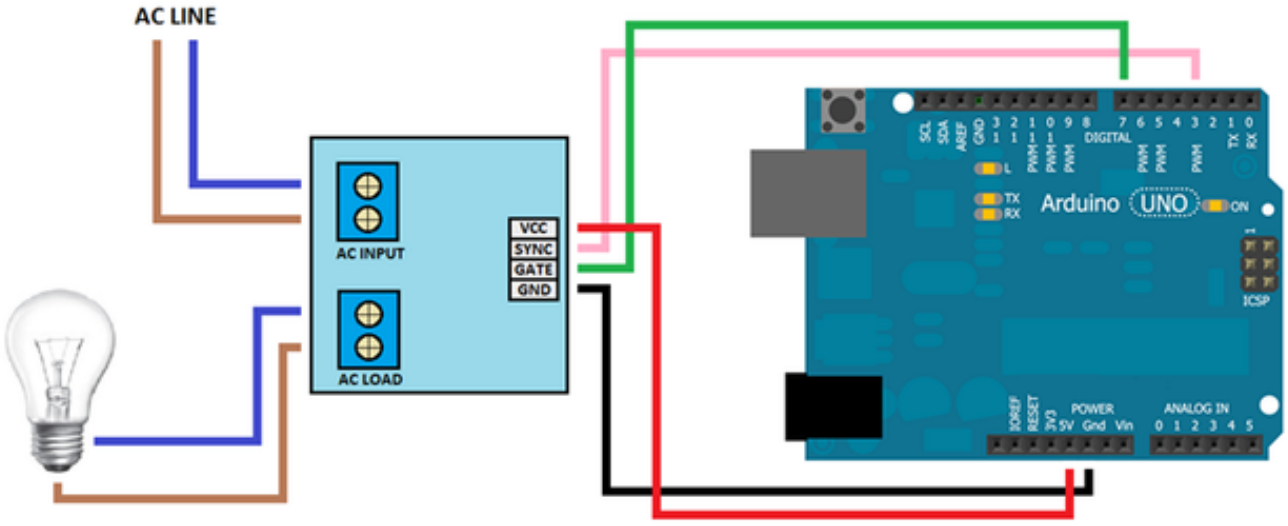
You must treat electricity with caution!

Descriptions of pins:

AC Control Module	Description
+5V	device power, DC 5 volts
SYNC	zero-cross detector output positive impulse (pulse length 200us)
GATE	triac gate input pin
GND	ground of low voltage side

AC INPUT	**AC voltage input 110/220**
AC LOAD	**Connect your load here !**

How to connect AC Control Module to ARDUINO UNO board:



NOTE: please observe the polarity of the network

Dimmer module	Arduino Uno board
+5V	5V
SYNC	DIGITAL.3
GATE	DIGITAL.7
GND	GND

Wiring diagram in high resolution
- drive.google.com/open?id=0B6GJokXFb5oETlNxTkVkXzZZQUE

Watch video on YouTube - youtu.be/Oq6Cnqwbbbg

AC LED Bulb - youtu.be/oqRyJLcfOxo

Arduino sketch
- drive.google.com/open?id=0B6GJokXFb5oEZndCUkNHc181Zms

Now available Android application to control manually dim level



Android application
- drive.google.com/open?id=0B6GJokXFb5oEVElPS196ODF4U2s

Arduino sketch (need HC-05 Bluetooth module)

- drive.google.com/open?id=0B6GJokXFb5oERHktRzF5MHBnUDQ

Wiring diagramm for connection with Raspberry board or any other master device via UART



Raspberry diagramm in high resolution

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drive.google.com/file/d/0B6GJokXFb5oETTJoWkF1TG0xU2M/view?usp=sharing

Arduino code for ATMEGA328P microcontroller (MICRO, NANO, UNO Boards)

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drive.google.com/file/d/0B6GJokXFb5oEV2JSaUVYTkg4WFk/view?usp=sharing

Produktgalleri









