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San Jose 95120   All ⌄   8 relay board

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SunFounder 5V 8 Channel Relay Shield Module for Arduino R3 2560 1280 ARM PIC AVR STM32 Raspberry Pi 3, 2 Model B & B+

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4.7   1,072 ratings
| 96 answered questions

Amazon's *Choice* ▌ Overall Pick

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Color: **8 Channel**

$9.89	$6.79	$7.99

Specific Uses For Product	Personal
Brand	SunFounder
Memory Storage Capacity	1 TB
Color	8 Channel

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About this item   ⌄

Report incorrect product information.

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Deliver to Timothy - San Jose 95120

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Qty: 1

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153
$18.99

Product information

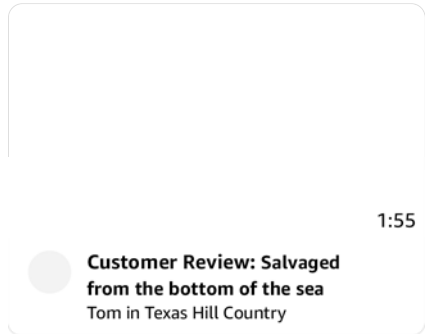|	
Product Dimensions	6.7 x 2.9 x 0.8 inches
Item Weight	0.32 ounces
Manufacturer	SunFounder
ASIN	B00DR9SE4A
Item model number	8C-5V
Customer Reviews	4.7 1,072 ratings 4.7 out of 5 stars
Best Sellers Rank	#11,109 in Industrial & Scientific (See Top 100 in Industrial & Scientific) #50 in Single Board Computers (Computers & Accessories) #75 in Industrial Electrical Controls & Indicators
Is Discontinued By Manufacturer	No
Date First Available	July 3, 2013
Memory Storage Capacity	1 TB
Resolution	1280 x 800 pixels

Warranty & Support

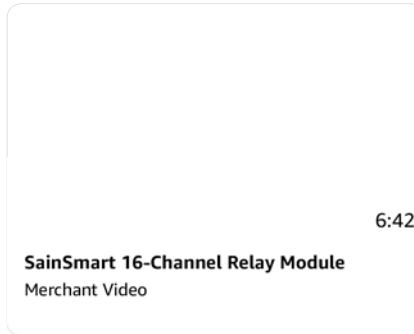**Product Warranty:** For warranty information about this product, please click here

Feedback

Would you like to **tell us about a lower price?**

Videos

Videos for this product

Videos for related products

1:55

Customer Review: Salvaged from the bottom of the sea
Tom in Texas Hill Country

6:42

SainSmart 16-Channel Relay Module
Merchant Video

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Product Description

5V 4-channel relay interface board

each channel needs a 15-20mA driver current. It can be used to control various appliances and equipment with large current. It is equiped with high-current relays that work under AC250V 10A or DC30V 10A. It has a standard interface that can be controlled directly by microcontroller.

Perfect used for domestic appliance, office machine, audio, equipment, automobile, etc.   (Remote control TV receiver, monitor display, Audio,Raspberry Pi equipment high rushing current use application)

Principle

When the signal port is at low level, the signal light will light up and the optocoupler 817c (it transforms electrical signals by light and can isolate input and output electrical signals) will conduct, and then the transistor will conduct, the relay coil will be electrified, and the normally open contact of the relay will be closed. When the signal port is at high level, the normally closed contact of the relay will be closed. So you can connect and disconnect the load by controlling the level of the control signal port.

Important information

To report an issue with this product, click here.

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4.7 out of 5

1,072 global ratings

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5 star	82%
4 star	12%
3 star	2%
2 star	1%
1 star	2%

⌄ How customer reviews and ratings work

Sponsored

Top reviews

Top reviews from the United States

R. Bunge

Good price, arrived quickly and it worked.
Reviewed in the United States on July 31, 2023
Color: 2 Channel   Verified Purchase

Just a two channel relay. No problems with it. The wire locking screws are fine on this unit. Some I've used, the screws are really tight. Ask me in a few minutes if it still working several thousand cycles later.

Helpful   Report

Soviet M.

Just what I needed
Reviewed in the United States on May 27, 2023
Color: 2 Channel   Verified Purchase

Works perfectly as expected been using for my lights

Helpful   Report

you get what you pay for

Actual Current Measurements for both Full load & Opto only input
Reviewed in the United States on September 26, 2022
Color: 4 Channel   Verified Purchase

Quick Test out of the box. No real usage yet. Using a Digital I/O Bd. that has 20 mA Max. / channel. Wanted to confirm how much current is really used in the Opto input only circuit with JD-Vcc on. All 4 inputs were very close to 2 mA each current draw. Total Load per input ~ 72 to 74 mA each. See pictures for input #3. Would have been willing to pay more for a Robust Phoenix Screw type terminal connector. I Hope the board will last for a couple years with light duty. Hope this review helps others.

9 people found this helpful

Helpful   Report

Limabean

Not good for Christmas light show
Reviewed in the United States on December 2, 2022
Color: 8 Channel   Verified Purchase

Christmas light show controller (raspberry pi) turned the switches on and off to the best of music. These switches make a significant click sound. For rapid fire switching to music, this was a bit loud. Otherwise it worked great. Recommend solid state switches (not these) for a light show.

2 people found this helpful

[Helpful]   Report

Clint Eastwood

Worked great for scaring kids on Halloween
Reviewed in the United States on December 24, 2022
Color: 2 Channel   Verified Purchase

I hooked this up to my Raspberry Pi and I wrote a little Python program. With the switch I was able to trigger wolf sounds, and switch a light on to mimic a lightning strike. Good times!

[Helpful]   Report

Dmitri

Good value for money
Reviewed in the United States on August 30, 2022
Color: 2 Channel   Verified Purchase

Works as expected, easy to use, good value for money. I like that the board has LEDs showing status of each relay. While no description was included, plenty of tutorials available online. The only issue was shipping - it came in a damaged box with a few pins bent.

[Helpful]   Report

Matthew from San Francisco

Exactly what I needed
Reviewed in the United States on December 14, 2017
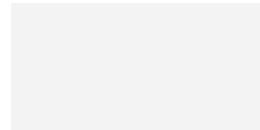Color: 2 Channel   Verified Purchase

This module is perfect! It comes all soldered and has the screw-in terminals.
Like almost all relays of this type it can't handle more than 10 A. In the rest of the world that would be no problem since 230 V breakers trip at 10 A. But in North America, with 15 A and 20 A circuits, this is not going to work. That limits you to devices 1200 W or less.

My first project with it is a system to water plants. The pump only requires 4-12 V and probably a few hundred milliamps.
By the way, if you want to power bulbs or for many other applications, I recommended using DC voltage. The bulbs will light up just the same, but it will be much less dangerous than dealing with AC.

ONE PROBLEM: It lacks labeling of the relay terminals. NO Normally Open, C Common, NC Normally Closed are not printed.

⌄ Read more

13 people found this helpful

[Helpful]   Report

Simon Funk

More like 60-90mA per relay
Reviewed in the United States on June 29, 2020
Color: 8 Channel   Verified Purchase

The description claims 20mA per relay but I am measuring 60mA for each on relay (just on the JDVcc/5v side alone--I'm using 3.3v for the control side). The data sheet for the relays says 90mA each (at a full 5 volts, which these probably aren't seeing in practice).

So, just beware, if all 8 relays are on, the relay side alone will pull 480-720mA, not the 160mA they imply.

Also, the relays jitter while my NodeMCU powers up (partly an issue with the NodeMCU, and

partly because the relays inputs are inverted), so I have added a high-side power switch controlled by one of the few stable GPIO pins, which allows me to keep the relay side of the board powered down until the NodeMCU is ready and stable. I assume the rPi would have a similar issue. This was a pain to do. (But it's only a 20 cent part, so it would be a great additional feature on the board if they built it in...)

11 people found this helpful

Helpful   Report

___

See more reviews ›

___

Top reviews from other countries

Translate all reviews to English

Davide Mazzucotelli

Buon prodotto
Reviewed in Italy on December 10, 2022
Color: 2 Channel   Verified Purchase

Prodotto buono, di buona fattura, istruzioni non completissime e chiare.

Report

Translate review to English

Giovanni P.

Facile da usare
Reviewed in Italy on August 31, 2022
Color: 2 Channel   Verified Purchase

Molto utile per gestire, con un solo raspberry pi zero, due linee separate per l'irrigazione con temporizzazioni diverse.
La schedina relè consente di avere una unica fonte di alimentazione a 5 VDC e due distinti pin GPIO tutto da un unico raspberry. È predisposta anche per essere alimentata direttamente da una fonte esterna a 5VDC

Report

Translate review to English

Filippo

Ottimo
Reviewed in Italy on September 25, 2022
Color: 2 Channel   Verified Purchase

Funzionano anche a segnale 1
Basta collegare diversamente

Report

Translate review to English

Shawn Loucks

Christmas lights
Reviewed in Canada on April 29, 2023
Color: 8 Channel   Verified Purchase

Used for my Christmas light display. Bit overkill,have fun with stuff like this, you will learn lots

Report

Scott Palmer

Easy to use With Raspberry Pi

Reviewed in Canada on January 30, 2022

Color: 8 Channel   **Verified Purchase**

Finally got around to trying this out. Works as advertised - no surprises. If anything this has even more inputs than I need. Items with less relays were priced similarly so I went with this one, just in case I could make use of more relays in the future. Seems like a good value. I plan to control two garage door openers with this and probably some lights. There are several videos on YouTube were people have used similar products from the same company (less relays) for garage door projects. I used Homebridge to interface my Raspberry Pi with Apple HomeKit. I can easily flip the relay from my phone, or apple watch.

Report

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