



# SSR-2 Solid-State Relay Board

Version 1.1

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## DESCRIPTION

The SSR-2 is a member of EFX-TEK's family of "amigo" boards: user-friendly, plug-and-play solutions to common prop and display circuit interfacing challenges. The SSR-2 provides two solid-state relay outputs that allow Normally-Open switching of 120/240 VAC loads up to 1A.

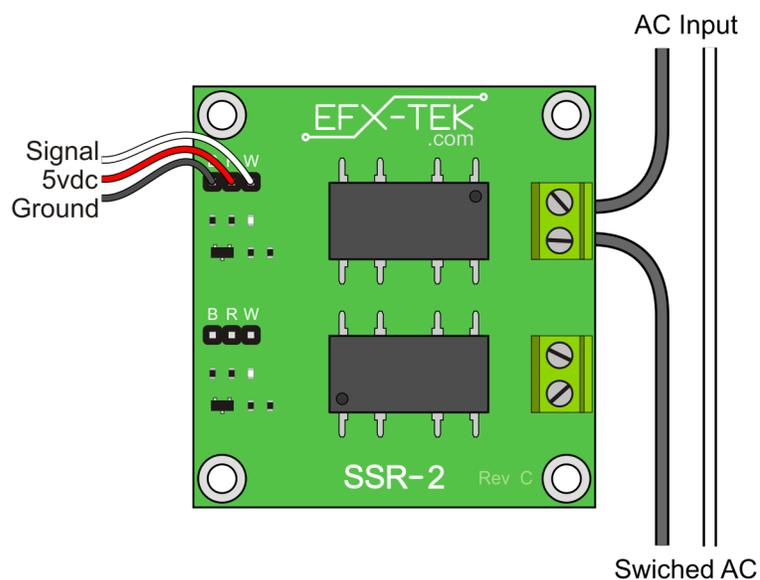
## PRODUCT APPLICATIONS

- Museum and educational exhibits
- Holiday props and displays
- Film/TV/Theater effects and prop control

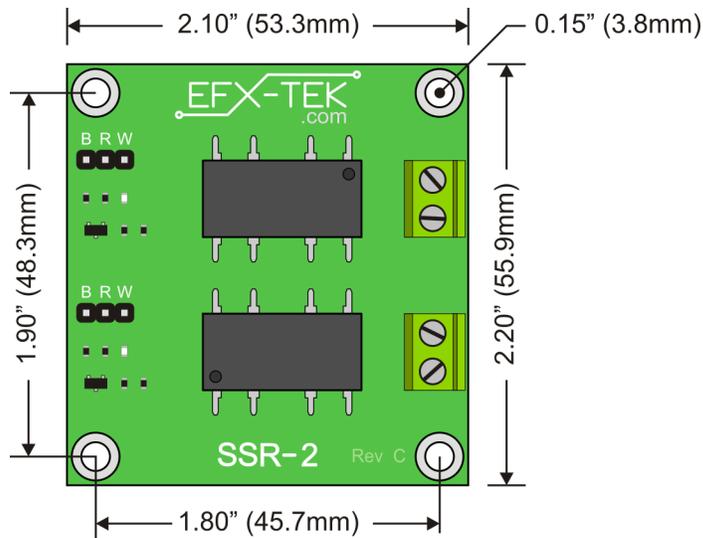
## FEATURES & BENEFITS

- Plug-and-Play connection to most EFX-TEK controllers
  - uses standard WRB input header
  - compatible with 5v (BASIC Stamp, Arduino) and 3.3v (Propeller) processors
- LED for each input indicates presence of 3.3v-5v control signal
- Low-current operation; less than 25mA per relay at 5vdc
- Control: 120-240 VAC, 1A max
- Compact size: 2.1" x 2.2" (53.3mm x 55.9mm); 0.15" (3.8mm) mounting holes

## CONNECTIONS



## MECHANICAL SPECIFICATIONS



## ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Specification			Unit
		Min.	Typical	Max.	
Control Signal Voltage	$V_{CTRL}$	3	5	5.25	VDC
Control Signal Current	$I_{CTRL}$			5	mA
Supply Voltage	$V_{IN}$	4.75	5	5.25	VDC
Supply Current (both relays active)	$I_{IN}$			50	mA
Relay Voltage (AC Only)	$V_{R_O}$	120		240	VAC
Relay Current	$I_{R_O}$			1	A

## PRODUCT CHANGES

Note: *Product specifications subject to change without notice.*

01 DEC 2016 Updated with new SSRs  
PCB marked **Rev C**

01 MAR 2013 First production release.  
PCB marked **Rev B**