

# IT-R4S Relay Control ASCII Controlled Relay Module with Serial Loop Through

# FSR

AV Products Group

IT-R4S Relay Control



## DESCRIPTION

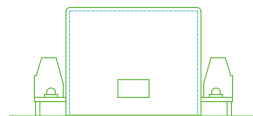
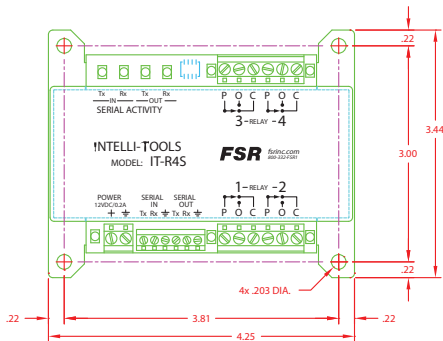
The IntelliTools IT-R4S is a multi-purpose relay module allowing four internal single pole double throw relays to be controlled by an RS-232 port using a simple ASCII control protocol. Additional IT-R4S modules can be “daisy chained” to provide control of additional modules or other RS-232 devices. The IT-R4S passes RS-232 control data out to other RS-232 controlled devices via the unit’s serial output port. The module is powered from a standard 12 VDC power supply (not provided). An integral mounting plate with four holes is provided to easily mount on FSR’s RK-2 rack mount, standard rack rails or standard two RU blank plates. The IT-R4S is capable of supporting a wide variety of relay controlled devices making it an essential tool for AV and Control System installations.

## FEATURES

- Configurable for a variety of applications
- Can be easily reconfigured “on the fly”
- Quick, easy setup
- Small footprint
- Four high quality 5 amp relays
- Screw terminals for fast hookup
- Integral mounting plate with mounting holes
- Simple ASCII command set
- Units can be “daisy chained” through the serial loop port without sacrificing a port on the control system.
- Relay Status and Power LED indicators
- RS-232 I/O Port Status LED Indicators

## APPLICATIONS

- Shade and screen control.
- Relay contact closure
- Speaker muting
- Relay remote control
- Can be added anywhere relay switching is needed via RS-232 control

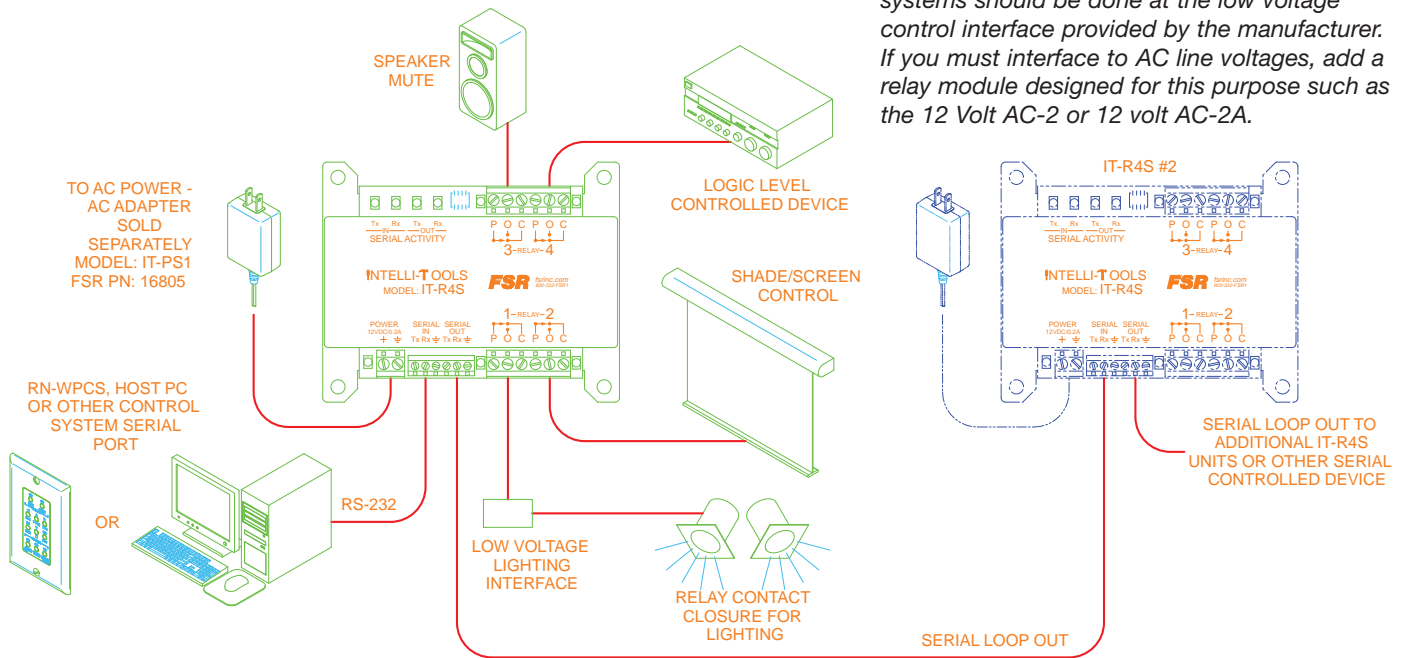


## FSR Inc.

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LIT1221B

## TYPICAL APPLICATION



**CAUTION:**  
 The IT-R4 and IT-R4S relay interface modules are not intended to directly switch AC line voltages. Connection to lighting and shade and screen systems should be done at the low voltage control interface provided by the manufacturer. If you must interface to AC line voltages, add a relay module designed for this purpose such as the 12 Volt AC-2 or 12 volt AC-2A.

## SPECIFICATIONS

<b>Relay Ratings</b>	
Relay Contact material	Ag alloy
Max. Switching voltage	50 VAC, 30 VDC
Max. Switching current	5 A (NO)/3 A (NC)
Max. Switching capacity	NO: 250 VA (AC), 150 W (DC Resistive) NC: 150 VA (AC), 90 W (DC Resistive)
Min. permissible load	10 mA @ 5 VDC (for contact cleaning)
<b>Power</b>	
Power supply	12 VDC @ 160mA fully loaded. FSR IT-PS1 #16805 sold separately
<b>RS-232 Control Input</b>	
Connectors	Screw terminals
Format	RS-232
Protocol	ASCII
Serial looping	Via IN/OUT loop ports
<b>Mechanical and Environmental</b>	
Connectors	Screw terminals
Overall dimensions (see drawing for details)	4.25"L x 3.44" W x 1.57" H
Shipping weight	0.9 lbs.
Ambient temperature	0 to 50°C
Ambient humidity	5% to 95% non-condensing

Manual available on the FSR website.

Specifications are subject to change without notice.



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