

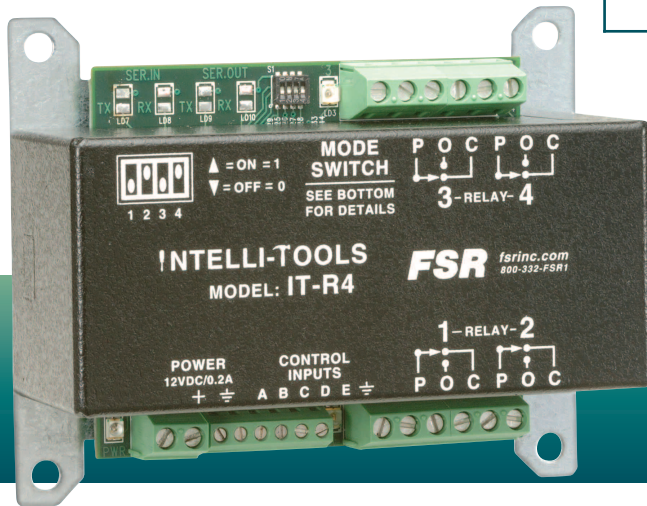
IT-R4 Relay Control

Switch or Logic Level Controlled Relay Module

FSR

AV Products Group

IT-R4 Relay Control



DESCRIPTION

The IT-R4 is a multi-purpose switch or logic level activated Relay Module. Four user configured relays are controlled via five input ports that are designed to accept either a switch contact closure or logic level input. A four-position configuration dip switch sets the operating behavior of the relays. Each relay can be set for different operating modes; "On", "Off", pulsed for a 1/4 of a second, or toggled, which changes the relay to the opposite state.

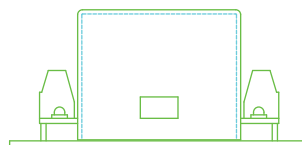
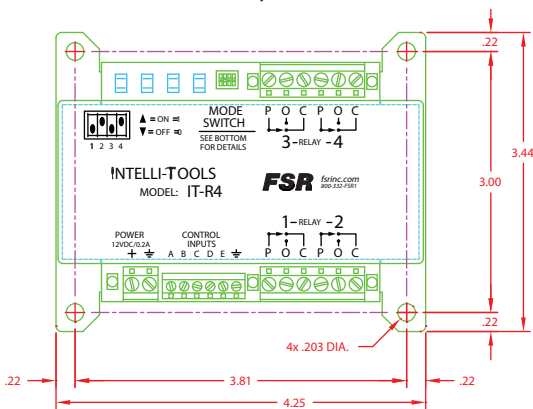
For a detailed description of operation and settings see the Switch Input Actuation Table.

FEATURES

- One module does the work of many
- Quick easy setup and configuration
- Small footprint
- High quality relays
- Quick screw terminals
- Integral mounting plate

APPLICATIONS

- Shade and screen control (AC motor control)
- Logic level control
- Relay contact closure
- Speaker muting
- Relay remote control

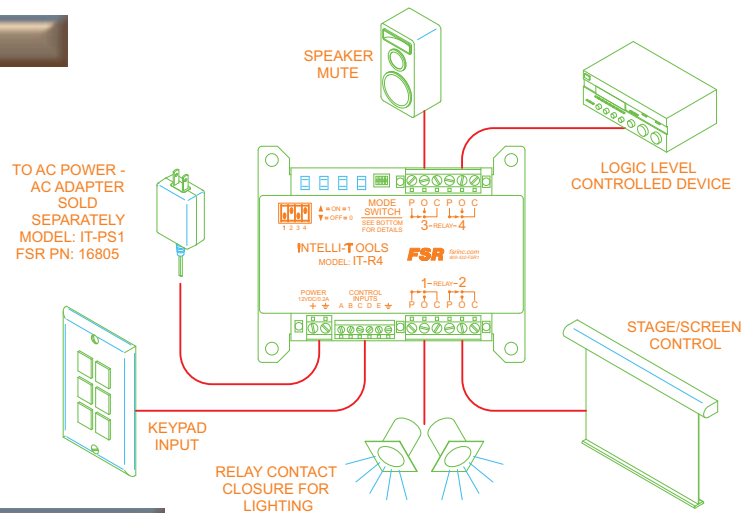


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LIT1243A

TYPICAL APPLICATION



SWITCH INPUT ACTUATION TABLE

Relay Config	Relay Operation	Relay Operation Chart					Mode Switch Settings			
		Control Inputs (Switch Inputs)					1	2	3	4
		A	B	C	D	E				
SPDT	Interlock	R1	R2	R3	R4	All Off	0	0	0	
	Alternate Action	R1	R2	R3	R4	All Off	0	0	1	
	Momentary	R1	R2	R3	R4	All On	0	1	0	
DPDT	Push On, Push Off	R1&R2 On	R1&R2 Off	R3&R4 On	R3&R4 Off	All Off	0	1	1	
	Alternate Action	R1&R2	-	R3&R4	All On	All Off	1	0	0	
	Alternate Pulse (0.25 Sec)	R1 On R2 Off	Edge Trig =R1 =R2	R3 On R4 Off	Edge Trig =R3 =R4	-	1	0	1	
4PDT	All Selections	R1 to R4 On	R1 to R4 Off	R1 to R4 Alt Action	-	-	1	1	0	
SPECIAL	Special Purpose	R1&R2 On Pulse R3	R1&R2 Off Pulse R4	R1&R2 On/Off Pulse R3 R3 On, 4 Off	Edge Trigger = Column A = Column B	-	1	1	1	

Dipswitch 4 - 0 = Ground Control Input to Operate , 1 = +V(2-24) to Operate

SPECIFICATIONS

Manual available on the FSR website.

Relay Ratings	
Relay Contact material	Ag alloy
Max. Switching voltage	250 VAC, 30 VDC
Max. Switching current	5 A (NO)/3 A (NC)
Max. Switching capacity	NO: 1,250 VA (AC), 150 W (DC Resistive) NC: 750 VA (AC), 90 W (DC Resistive)
Min. permissible load	10 mA @ 5 VDC (for contact cleaning)
Switch Input Characteristics	
Input Voltage	Logic High range: 2.0 – 24V Logic Low range: -1.0 - +1.0V
Input Impedance:	7k
Minimum Actuation Time to recognize a valid switch input	0.1 Sec
Power	
Power supply	12 VDC @ 160mA fully loaded. FSR IT-PS1 #16805 may be ordered separately
Mechanical and Environmental	
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



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