

FSR inc.

Audio/Video Product Group

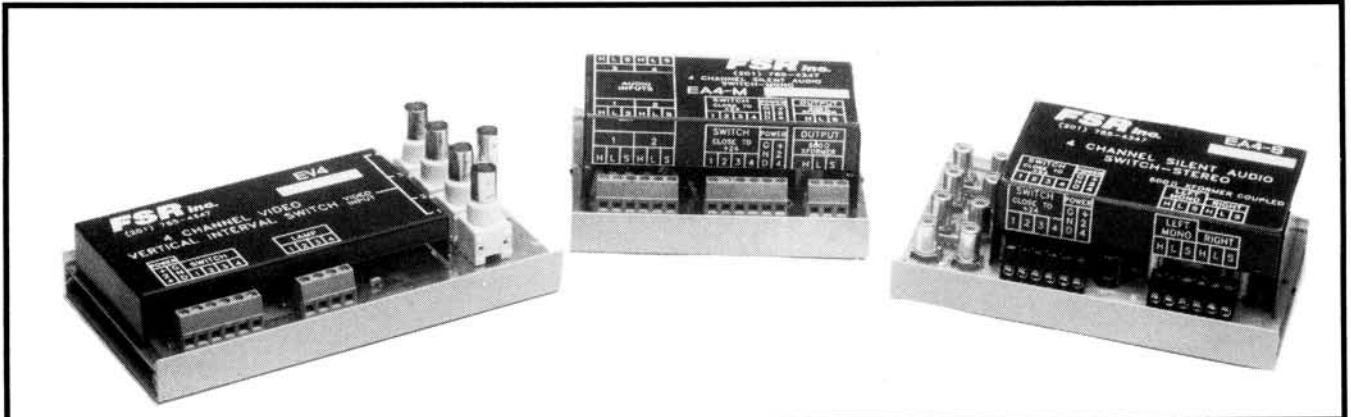
**4 x1
Audio/Video
Switchers**

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DESCRIPTION:

EA4-S-M

The EA4 series of modules are 4-Input, 1-Output switchers. The EA4(S) is for stereo sources, while the EA4(M) is for mono sources. These switchers have 600 ohm transformer-coupled outputs, eliminating ground loop problems. The switching action is silent, permitting switching in dynamic situations.

These units can be used alone or in conjunction with the 4-channel video switcher EV4.

EV4

The EV-4 is a 4-input 1-output composite video switcher. Switching takes place during the vertical interval of the outgoing signal. This module also features switching and lamp drive circuits. This makes the unit a stand-alone 4-by-1 video switcher. Not only can the lamp drive signals operate 24-volt bulbs, they can also be used to slave the EA4(S) (M) modules providing audio follow.

These modules are high quality units that the professional installer can use in any application.

FEATURES:

EA4(M)(S)

- Audio Is Switched Silently (No Clicks Or Thumps)
- Outputs Are Balanced 600 Ohm Transformer Coupled Lines
- Stereo Unit Uses RCA Jacks For The Inputs Simplifying Installation
- No Insertion Loss Unity Gain
- Mounts On Rack Rail With Trac-Brac™

EV4

- Vertical Interval Switching
- 35 MHz Bandwidth Suitable For HDTV
- Contains Logic Switching And Lamp Driver Circuits
- Lamp Circuits Will Not Only Drive Lamps, But Can Be Used To Control The EA4 (S)(M) Modules
- Mounts On Rack Rail With Trac-Brac™

SPECIFICATIONS

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Video	EV-4
Inputs	Four
Input Level	1 Vp-p Nom
Output	1
Output Impedance	75 Ohms +/- 1%
Gain	Unity Into 75 Ohms
Bandwidth	35 MHz
Differential Gain	0.5%
Differential Phase	1.2 Degree
Crosstalk	-55 db @ 4 MHz
Switching Point	In Vertical Interval Of Output Signal
Control Switches	Four (Close To Ground)
Lamps	Four
Lamp Drive	+24 (Current Limited To 500 mA)
Power Input	+24 VDC @ 100 mA No Lamps Connected
Size	3-1/4" x 6-1/4" x 1-1/2"
Weight	6 Ounces

Audio	EA-4S	EA-4M
Inputs	4 Stereo Unbalanced	4 Mono Balanced
Connectors	RCA	Screw
Input Impedance	30K Ohms	20K Balanced 10K Unbalanced
Maximum Input	+18 dbm	+18 dbm
Output	L&R Balanced	Mono Balanced
Output Level (Max)	+18 dbm	+18 dbm
Output Impedance	600 Ohm Transformer Coupled	600 Ohm Transformer Coupled
Gain	Unity	Unity
Freq. Response (30 Hz - 30 KHz)	-1 +0 db	-1 +0 db
THd	0.05%	0.05%
S/N Ratio	-80 dbm	-80 dbm
Crosstalk @ 1 KHz	-80 dbm	-80 dbm
Switching	Silent	Silent
Switch Inputs	4 Screw Terminal	4 Screw Terminal
Switch Drive (Usually Derived From EV4 Or T4)	+24 VDC	+5 to +24 VDC
Power (24 VDC)	20 mA	25 mA
Size	3-1/4" x 5-1/2" x 1-1/2"	3-1/4" x 5-1/2" x 1-1/2"

FUNCTIONAL DIAGRAM

