



# Stereo A/V and IF/RF Relay Panel

model  
**R165A**

## Specifications

**Control Inputs:** Contact closure to ground or logic input

**RF Isolation:**  
>60 dB @ 950MHz

**Attenuation:**  
+/- 1dB 0 to 950MHz

**Absolute Maximum Input Voltage:**  
+12 VDC

**Min Logical High Input Voltage:**  
+7 VDC

**Max Logical Low Input Voltage:**  
+2VDC

**Max Sink Capability:**  
<2.4 mA

**Power Requirement for External Power Supply:**  
100-240 VAC  $\pm$  2 %, 50/60 Hz  
Supplies +12V DC @ <300mA

**Aux Relays Contact Rating:**  
30 VDC max.; 1A max.

**Physical:**  
19" W X 1.75" H X 7" D, 1 RU  
Weight: 5 lbs

## Features

- **Balanced Stereo A/V and IF/RF Switches to 950 MHz**
- **Contact Closure for Activation**
- **Front Panel Status Indicators**
- **All Interconnections Made at Rear Panel**
- **Detachable Screw Terminals for Stereo Audio**
- **F Connectors for Video (or IF/RF)**
- **Low Power Control Inputs**
- **Optional Redundant Power Supplies**



## Applications

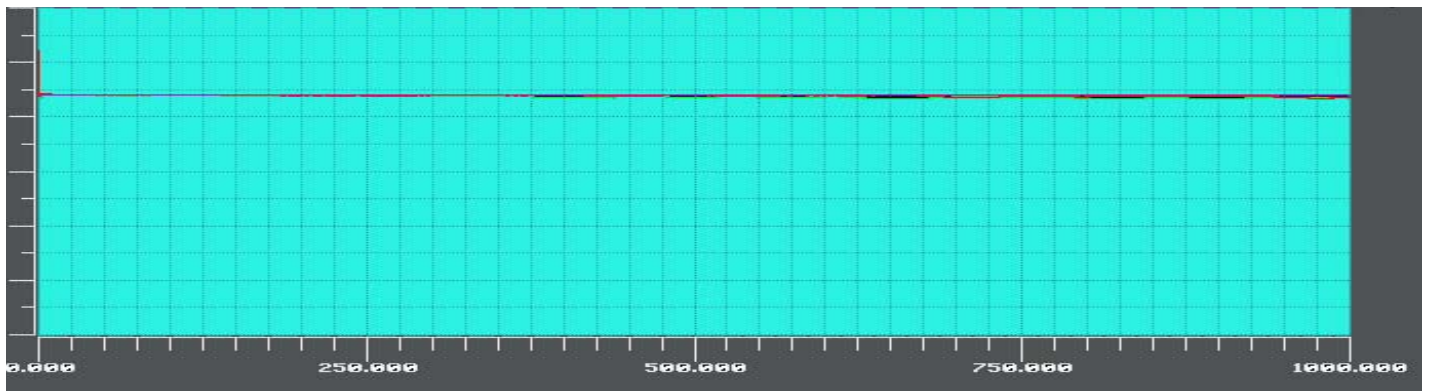
- **Non-Duplication Switching**
- **Blackout Switching**
- **Routing Switching**
- **Can be configured for up to 5 x 1 Matrix Switching**

## Description

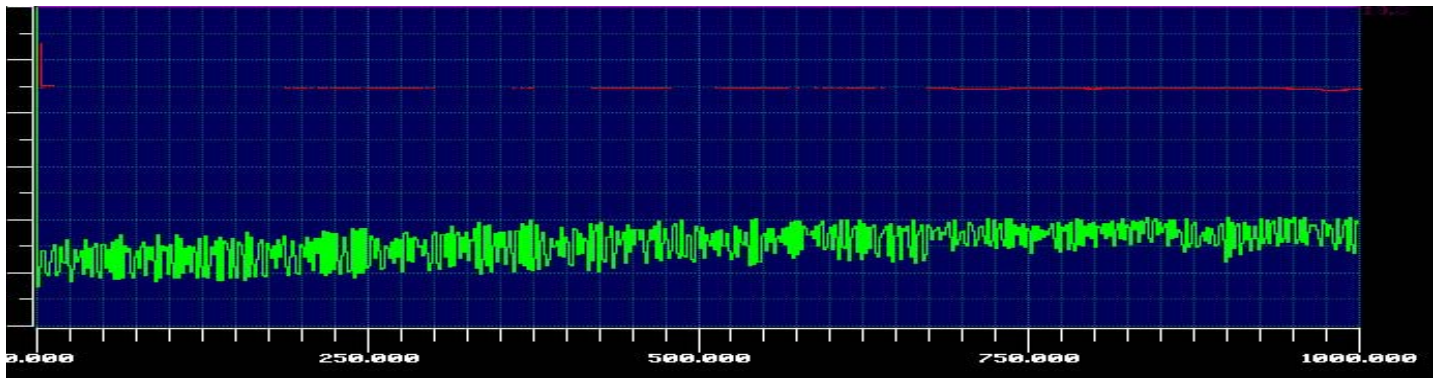
Monroe Electronics' Model R-165A Audio/Video Relay Panel provides four, independent 2 x 1 (A/B) balanced stereo audio follow video relay switches. The switches are controlled by Monroe Electronics' program timers, remote controls or CATV Cue Tone® receivers via contact closures or logic inputs.

Each video relay will also function as a high quality IF/RF 2 X 1 (A/B) switch, with frequency response to 950 MHz.

Auxiliary relays 1 & 2 available for GPI or SAP switching.



Loss through closed switch, 10 dB per division, 0 to 1000MHz



Isolation through open switch, 10 dB per division, 0 to 1000MHz

### Schematic

