

# VS -12/24



**VIDEO A/B RELAY SWITCH**

**INSTRUCTION BOOK  
IB6346-01**

**A INPUT      DC POWER      B INPUT**  
**+ -**



**COMMON OUTPUT**

## DESCRIPTION

The VS-12 and VS-24 are video A/B relay switchers. The VS-12 operates on 12 VDC power and the VS-24 operates on 24 VDC power. The A/B configuration allows relay switching of one of two video sources into one video line, or you can reverse the relay and have one source supplied to either of the two outputs.

The unit operates with any video standard and is compliant with 75 Ohm standard video terminations. The unused video input is always terminated with 75 Ohms internally, while the throughput video is switched straight through without any amplifiers or buffers to prevent loss of video when power is off.

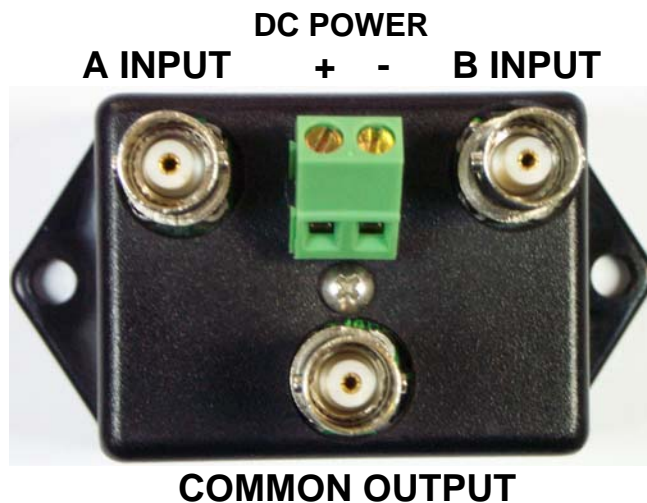
The 12 VDC or 24 VDC input operates the switch. When power is supplied the relay will be in the "B" position, when the power is off the relay is in the "A" position. The power input is diode protected to prevent reverse polarity and prevent relay spikes from entering the power supply.

## MOUNTING

Select a place that is dry and out of direct weather. This unit is not waterproof! Care must be taken to avoid direct contact with water. Prolonged contact with water will damage the unit. To mount the unit use two screws through the mounting flange to hold the unit securely.

## SET-UP

The input and output connectors are BNC "female" type for easy installation. Just connect the input and output video connectors, connect the two power control wires and your ready go. The "A" input is selected when the power is "OFF".



## **VIDEO**

Standard

## **SPECIFICATION**

NTSC, PAL, All Standards

Level (Composite Video)

0.7 to 2 Vp-p (1.0 Vp-p STD.)

Input Impedance

75 Ohm (non-select input)  
Loop-through (select input)

Frequency Response

$\geq 0.2$  dB from DC to 40MHz

Cross-Talk (Pri/Sec input)

$\leq 75$  dB

Signal to Noise Ratio

$\leq 90$  dB

## **MECHANICAL**

Power requirement

12 VDC or 24 VDC (order select)

Connectors (Video)

3 BNC (Female)

Enclosure

2" X 1.5" X 2" ABS Plastic