



# EAS12B

## 12-Channel Emergency Alert System



- ▶ Adds FCC compliant emergency alert capability to any CATV system at baseband, including those without accessible I.F. loops
- ▶ Proprietary baseband switching methodology eliminates the signal distortion and loss associated with traditional I.F. switching
- ▶ BTSC stereo compatibility provides pass-through for stereo signals
- ▶ Reconfigurable for 23-channel audio-only or video-only emergency alert applications
- ▶ Two or more units can be cascaded to provide emergency override audio-video alert on 24 or more cable channels.
- ▶ Compatible with all modulator types and brands, with or without external I.F. loops
- ▶ Compatible with all scrambling modes (Baseband and I.F.)
- ▶ Internal switching via high-speed field-effect transistors (FET's) for instantaneous video signal transfer without cost and inconvenience of external switching devices
- ▶ High isolation between FET's eliminates channel crosstalk and other intrusions into the downstream path, thereby maintaining excellent picture quality
- ▶ Back panel mounted input and output "F" ports provide easy loop through connections using standard "F" type coaxial jumpers
- ▶ Back panel EAS enable-disable contact provides convenient local or remote activation
- ▶ U. L. approved switching power supply provides flexibility for use in international power system environments

# EAS12B

## 12-Channel Emergency Alert System

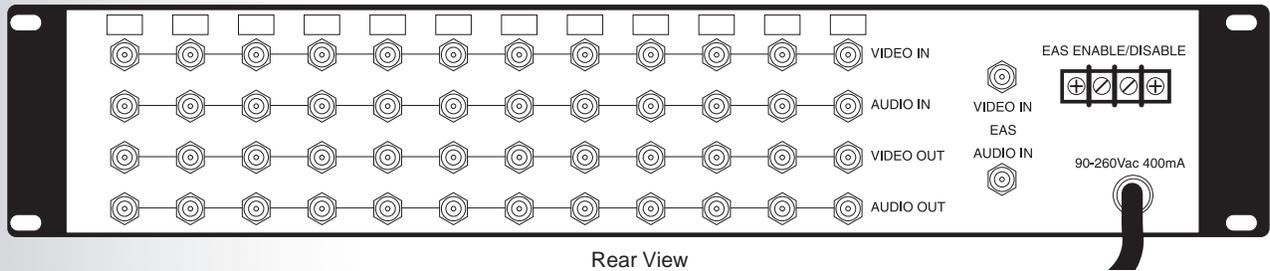
The **Pico Macom EAS12B** is the most user friendly 12 channel professional re-broadcast grade audio-video emergency alert system on the market. It enables users, via a local or remote contact closure to simultaneously override up to 12 video and audio channels (monaural or BTSC stereo) with one video/audio override source. Alternately, the unit can be daisy-chained to override 23 channels with an audio or video-only override source. The **EAS12B** interrupts the primary signals at baseband level instead of breaking into the I.F. loop, eliminating the signal distortion and loss associated with traditional I.F. switching and providing compatibility with all I.F. loop and non I.F. loop modulators. The **EAS12B** employs CMOS field effect transistor (FET) switching for instantaneous transfer to and from the override source while maintaining very high isolation between input and output ports. Two or more units can be cascaded to provide emergency override audio-video alert on 24 or more cable channels. All connections are via industry standard "F" type coaxial jumpers. **Pico Macom** backs up this product with its industry leading 5-year limited warranty.

# EAS12B

## 12-Channel Emergency Alert System



Front View



Rear View

### Video

Frequency:	DC to 200 MHz
Flatness:	±0.1 dB
Insertion Loss:	0 dB
Impedance:	75 Ohms
Return Loss:	> 40 dB
Cross Talk:	>-100 dB@4.2 MHz >-90 dB@10 MHz >-60 dB@100 MHz
Differential Gain:	0.1 %
Differential Phase:	0.1°
Chroma Luma Delay:	FCC Compliant
Isolation:	>-90 dB@4.2 MHz >-87 dB@10 MHz >-60 dB@100 MHz

### General

Power Input:	Input	90 VAC 260 VAC
	Output	20 VAC, 500 mA
Operating Temperature:		-10° C to 50° C
Dimensions:		19"(L) x 9"(D) x 3 1/2"(H)
Weight:		3.5 lbs.
Connectors:	Video/Audio	"F" Type
	Return Loss	>25 dB
Switching Speed:		<1ms
Switching Voltage:		TTL Level, 0, 5 VDC, 2 pin terminal strip

### Audio

Frequency:	15 Hz to 130 kHz
Insertion Loss:	0 dB
Impedance:	600 Ohms

### Ordering Information

**EAS-12B**