

AMPERES AX-3800



AUTO STANDBY AMPLIFIER CHANGEOVER

Amperes AX3800 offers a great flexibility and simplicity in cabling for auto amplifier fault changeover system with its combination of amplifier fault sensor modules and changeover panel in a box. The internally generated Pilot Tone and sensory circuit shall detect any faulty duty amplifier and would initiate a changeover process.

AX3800 has been optimized for faster fault detection and changeover as compared with AS4000 modules. Pilot tones are generated at intervals to avoid constant loading of power amplifiers.

Changeover are performed at both input and output sections, making it suitable for application in a matrix system. At any one time, only a failed duty unit shall be replaced by a standby amp, to avoid overloading.



FEATURES

- ✓ Cater for 8 duty and 1 standby
- ✓ Expandable for 1 standby to cater for more than 6 duty amps.
- ✓ Built in Pilot Tone generator, transmit at intervals and senses at sequence to protect amplifiers
- ✓ Overloading protection by allowing only a single take over
- ✓ Prioritized changeover which higher unit amplifier shall be preferred for take over if more than two units are down
- ✓ Shorter fault detection time from 7 to 15 seconds
- ✓ Changeover at input and output section simultaneously ; suitable for matrix system installations
- ✓ Input link switch ; making connection of sources easier
- ✓ Channel isolation switch for unused or un-monitored channel
- ✓ Individual channel status indicators ; normal, fault and changeover

TECHNICAL SPECIFICATIONS

Operating voltage	24V DC; 1A
Power consumption	6.8W
Input signal	8 channel balanced line signal
Input impedance	10 K Ohm
Audio output gain	Unity
Pilot tone interval	8 secs / channel
Pilot tone frequency	20 KHz (+/- 5%)
Detection line	70 / 100V line at Level 50V RMS
Failure detection time	7 - 15 seconds
Failure recovery time	20 seconds max
Zone load rating	500W / 100V line max
Status indications	Normal ; Fault ; Changeover
Changeover alert	Buzzer with switch
Changeover section	Input and Output simultaneously
Dimension (WxHxD)	482 x 88 x 150 mm
Weight	2.85 kg