



The AC 08 Amplifier Changeover Unit provides real-time monitoring and surveillance for one of the most critical component in a public address system, the power amplifiers. The unit monitors up to 8 units of power amplifiers for faults with automatic changeover to stand-by amplifier. Visual indicators provide status monitoring, together with an aural indicator for fault. The unit is capable of interfacing with other equipments such as eX 800 series e-Matrix System via RS 485 for remote monitoring, fault event logging and fault notifications.

- Amplifier Monitoring and Changeover Unit.
- Built-in pilot tone signal generator which is superimposed into the input signal.
- Monitor up to 8 power amplifiers and 1 standby amplifier.
- Multiple units can be cascaded, allowing for backup ratio of 16:1, 24:1, or more, up to 64:1.



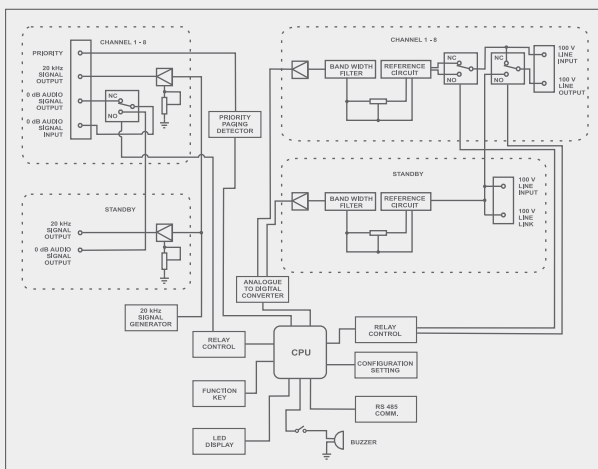
AC 08
Amplifier Changeover Unit



Technical Specifications

AC 08	
Connected Power Handling Per Zone	Up to 500 W rms max
Nos. Of Channels per Unit	8 channels
Connectors	Power : 2-Way Panel Feed Through Connector Control : 3-Way Panel Feed Through Connector Communication : 1 no. Double Deck RJ 45 Socket I/O (100 V Line) : 9 nos. 4-Way Panel Feed Through Connector I/O (Line Level) : 9 nos. Double Deck RJ 45 Socket
Indicators	POWER, Bicolor Indicator for 8 individual Channel Status & Standby Amplifier
Control Output	Withstand Voltage, 24 Vdc, 1 A max.
Power Requirements	24 Vdc (Regulated), 1 A max.
Dimensions (W x H x D)	483 x 44 x 200 mm
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Weight	4 kg

Block Diagram



Engineers' Specifications

The Amplifier Changeover Unit shall continuously monitor the operation of 8 duty power amplifiers and one standby power amplifier for fault. Upon detection of fault at the duty amplifier, the unit shall switchover the loudspeaker line of the faulty amplifier to the standby amplifier. The unit shall also switch the balanced line input of the faulty amplifier to the standby amplifier. Visual and aural monitoring shall be provided by LED indicators to indicate which is the faulty amplifier and an alarm buzzer to signal for immediate attention. The alarm can be deactivated by a switch located at the front panel. The

Amplifier Changeover Unit shall be able to be linked up to a maximum of 8 units if there are more than 8 power amplifiers to be backed up by one unit of standby power amplifier. The unit shall be able to be connected to the eX 800 Series via RS 485 communication protocol to report the status of the amplifiers. The unit shall be 1U in height and mountable on to an EIA Standard 19" equipment rack. The dimensions of the unit shall be 483 x 44 x 200 mm (W x H x D). The weight of the unit shall not exceed 4 kg.

