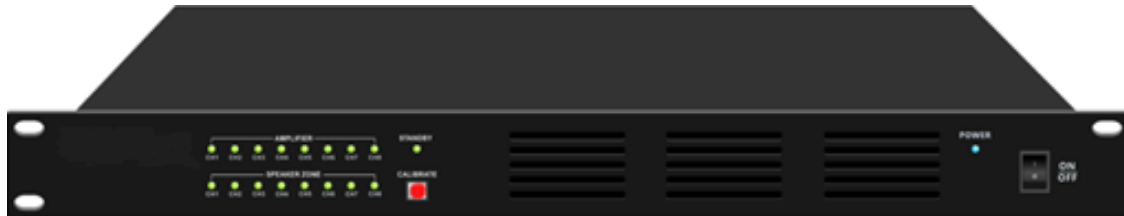


8 Channel Amplifier Changeover with Speaker Line Supervision



Description:

The 8 channel amplifier fault auto-changeover with speaker line impedance surveillance is an integrated controller integrates the amplifier fault changeover with the speaker line surveillance into one 19" 2U unit. The amplifier fault auto changeover will automatically switch into standby amplifier once there is anyone of the 8 amplifiers in case of fault. The switching time is within 1 second. The speaker line impedance supervision enables to supervise the speaker line open circuit, short circuit and impedance fluctuation. Each zone detection time is within 2 seconds, The amplifier fault and speaker line fault will be reminded by front panel visualized indicator, buzzer and two RS485 interface to third party system.

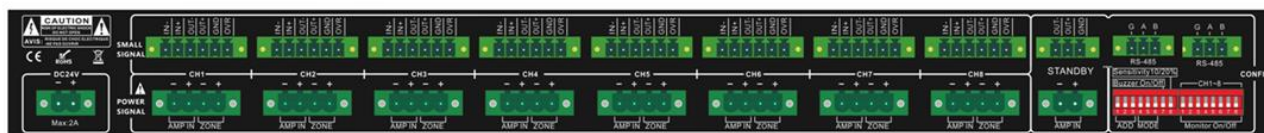
The amplifier fault changeover and speaker line surveillance unit is design with full visual indication. There are 8 amplifier working status indicators, green of normal, yellow of standby and red of fault and distinguished of non-used. There are 8 speaker line monitoring status indicators, green of normal, yellow of standby and red of fault and distinguished of non-used.

Features:

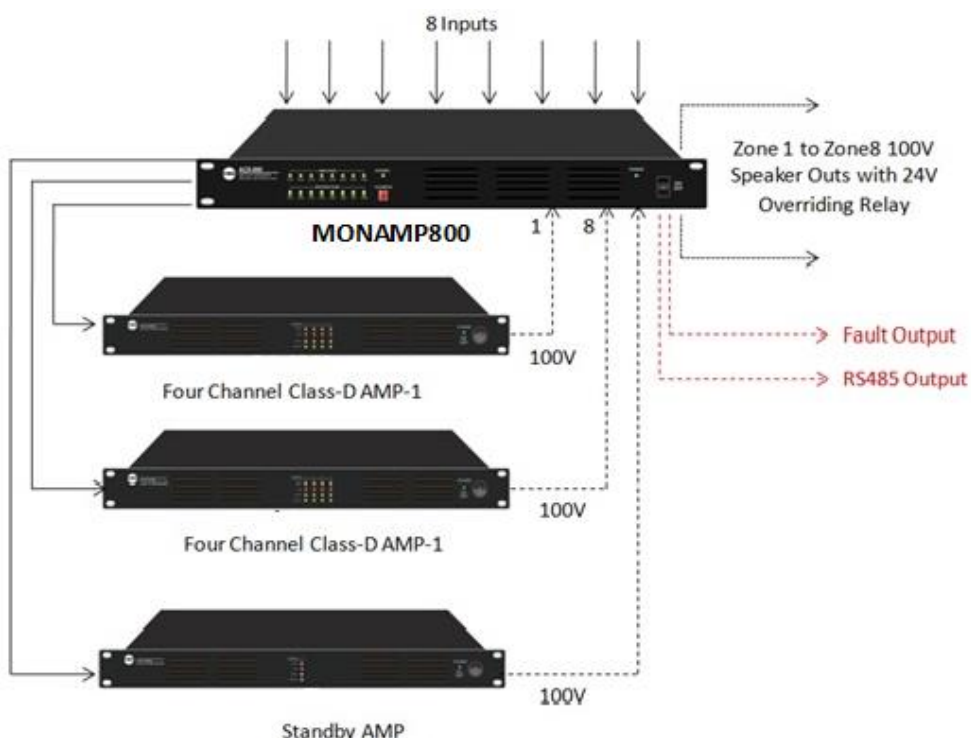
- 8 Channel amplifier fault changeover with speaker line surveillance
- 19" rack mount design in 2U height
- One standby amplifier to backup 8 amplifier within 1 second
- 8 speaker line supervision for open circuit, short circuit and impedance fluctuation
- Each speaker zone detection time within 2 seconds
- The amplifier and speaker line fault will be reminded by indicator, buzzer, fault out and RS485 out
- 8 amplifier indicator, standby amplifier indicator and 8 speaker line indicator
- With calibrate button on front panel to initialize or calibrate each amplifier and speaker line setting
- With 8 balanced line inputs and 8 balanced line outputs with 24V overriding relay
- With 8 amplifier 100V inputs and 8 zone 100V outputs
- Dipswitch for 8 zone enable or disable the monitoring
- Auto or manual two different monitoring options

- 10% and 20% two speaker impedance monitoring options
- Expandable from 8 zones to max 192 zones
- Two RS485 interface to third party system
- 24V DC operation system

Rear Panel:



Connection Diagram:



Specification:

| | |
|-----------------------------|--|
| Model | MONAMP800 |
| Description | 8 Channel Amplifier Fault Changeover with Speaker Line Surveillance |
| Channel | 8 Channels |
| Connector | Eight balanced line inputs by phoenix connector Eight balanced line outputs with 24V relay by phoenix connector Eight Amplifier 100V inputs by phoenix connector Eight Speaker 100V outputs by phoenix connector Two RS485 interfaces by phoenix connector |
| Configuration | Auto or manual monitoring dipswitch; Enable or disabled 8 zone monitoring dipswitch Expandable to 192 zones ID dipswitch; 10% or 20% monitoring speaker line fluctuation |
| Input Sensitivity/Impedance | 1V, 10K Ohm |
| Pilot Tone Frequency | 20 KHz (±5%) |
| Detection Line | 50V/70V/100V Speaker line |
| Detection Level | 50V rms min |
| Amplifier Detection Time | < 1 Second |
| Speaker Line Detection Time | < 2 Seconds per speaker zone |
| Changeover Time | < 1 Second |
| Failure Detection Time | 5-15 Seconds |
| Failure Reset Time | 20 Seconds Max. |
| Zone Loading Capacity | 500W /100V Line Max. |
| Max Loading Current | 8A |
| Measurement Sensitivity | ±10% of Speaker line impedance |
| Power Supply | DC24V by phoenix connector Max. 2A |
| Dimension | 482(W)x420(D)x44(H) mm |
| Weight | 3.2kg |

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