![HED High Efficiency Design]

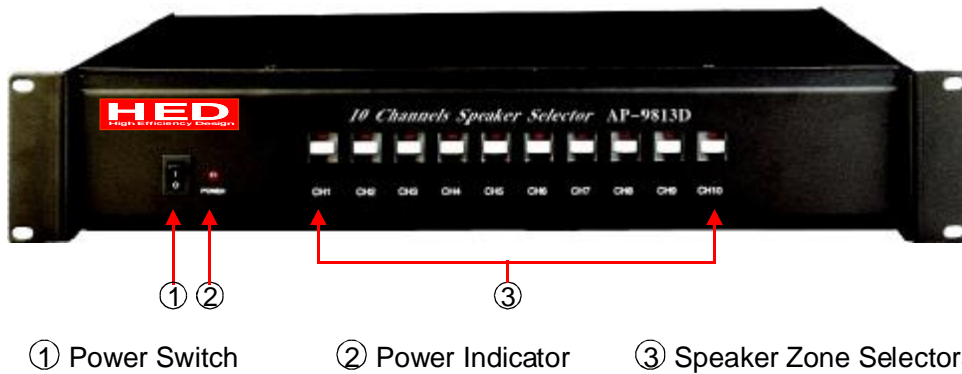# AP-9813D Speaker Selector

The AP-9813D is an essential component for a public address system. It has two amplifier inputs (A and B) and controls up to ten speaker zones. It has the ability to select zones when receiving an alarm signal to switch from Input A (background music signal) to Input B (alarm sound signal) to the corresponding zones automatically.
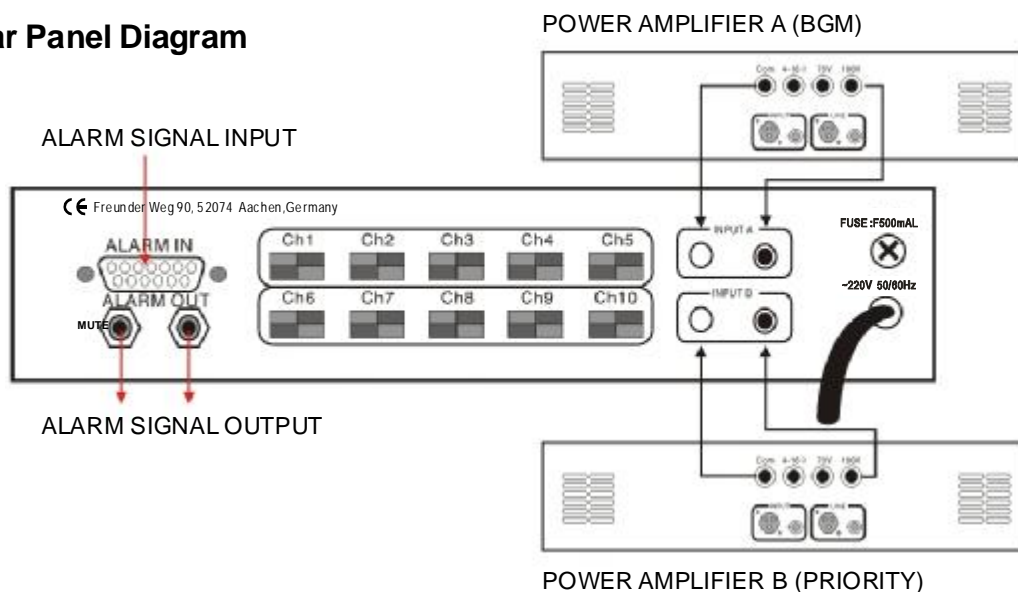
Front Panel

① Power Switch   ② Power Indicator   ③ Speaker Zone Selectors

Operation

1. Background music signal from Input A; alarm sound signal from Input B. Pressing down any zone selector button will cause the source signal to pass to the selected zone.

2. For port ALARM IN, pins 14~25 are common ground and pins 1~10 separately correspond to the channels CH1~CH10. Any channel pin with a low level signal ($V=0.3V$, $I<3mA$) will cause the corresponding zone to alarm; the corresponding channel speaker sound source automatically cuts to the Input B amplifier source.

Rear Panel Diagram

POWER AMPLIFIER A (BGM)

ALARM SIGNAL INPUT

ALARM SIGNAL OUTPUT

POWER AMPLIFIER B (PRIORITY)

Channels CH1~CH10 separately correspond to the ten zones; INPUT A inputs the background music signal, INPUT B inputs the alarm sound signal. When some channel or several channels have the alarm condition, its corresponding zone automatically cuts from the background music to the alarm sound, simultaneously sending out short-circuits to timer AP-9816T and emergency panel AP-9815E and causing other device coordination.

Specifications

Inputs	INPUT A: Background Music Signal (100V, 70V) INPUT B: Warning Sound Signal (100V, 70V)
Alarm Outputs	Two ports output short-circuit signals
Zone Outputs	10 channels, 200W per channel, total capacity <660W
Protection	AC FUSE (0.5A) X1
Power Requirements	AC 220 V$\pm$10% /50~60Hz <10VA
Dimensions (H$\times$W$\times$D)	89mm $\times$ 483mm $\times$ 366 mm
Net Weight	6.34Kg
Gross Weight	8.06Kg

Please Note:

1. Inside there is a high-voltage power supply. Please do not open the unit's cover in order to prevent an electric shock.

2. If the unit malfunctions, please refer servicing to qualified service personnel, otherwise mishaps that occur will not be the responsibility of this company.

Troubleshooting

1. If after pressing down the power switch, the power Indicator does not light, please check the fuse located in the rear panel to see if it is burnt out.

2. If the zone has the alarm signal but the corresponding zone has no action, please check the connections of the rear panel connectors, and if the alarm signal with the level meter signal is the same.