

# QUAD P.A POWER AMPLIFIER

## PA-412DP/424DP



### FEATURES

- Automatic variable speed FAN control by Thermal sensor
- 25V, 35V, 50V, 70V and 100V Outputs for matching of speaker impedance (optional).
- Designed for operation either AC mains or 24VDC.
- Optional FAULT DETECTOR MODULE(FD-200)makes monitoring of amplifiers and loudspeaker line(short,open) failures.
- An override relay contact on the output terminal board allows emergency paging to be distributed through 3-wire or 4-wire system wiring that requires the DC power supply.
- Input level:0dBu(0.775V)/60kohm balanced. (4 Program and 4 Priority Inputs)
- Optional fault detector module makes detection of speaker line fault or amplifier fault and change from fault amplifier into Stand-by amplifier by FS-3381(Fault stand-by switcher).
- Rated outputs:120Wx4, 240Wx4(RMS).
- Full protection for product reliability.
  - Overload and speaker line short limiter circuit.
  - Overcurrent limiter circuit.
- +24V DC out to external accessories (max 500mA).
- AC power remote control(Stand-by LED)
- Screw terminals for signal input to make an easy installation.
- PGM audio muting level controller when priority control signal input.
- Priority Audio input terminal and priority control terminal.
- Inrush circuit protection for AC power on.
- 400Hz filter to improve sound quality.

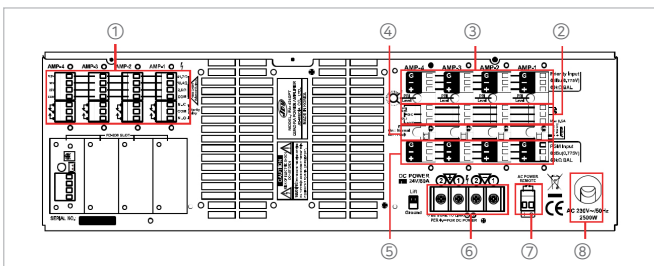
#### OPTIONAL FUNCTION OF DPT SERIES

- Fault monitoring of fan fault, DC fuse fault and AC fuse fault.

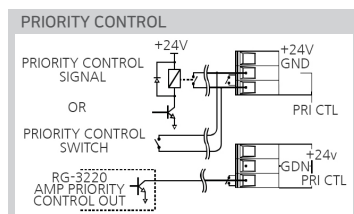
### SPECIFICATIONS

TECHNICAL DATA	PA-412DP			PA-424DP		
RATED OUTPUT	120W(RMS) x 4			240W(RMS) x 4		
POWER CONSUMPTION	1300W			2500W		
1/8 POWER CURRENT DRAW 230V	3A			5A		
1/3 POWER CURRENT DRAW 230V	4.4A			7.5A		
RATED POWER CURRENT DRAW 230V	6.8A			23.6A / 11.8A		
WEIGHT(kg)	26Kg			29Kg		
OUTPUT IMPEDANCE	25V	50V	100V	25V	50V	100V
	5.2Ω	20.8Ω	83.3Ω	2.6Ω	10.4Ω	41.7Ω
FREQUENCY RESPONSE	Less than -3dB (35Hz ~ 20KHz)					
SIGNAL TO NOISE RATIO	More than 100dB ("A" WEIGHT)					
THD AT 1KHZ	Less than 0.4%					
INPUT FILTER(H.P.F)	400Hz / -3dB					
INPUT SENSITIVITY/IMPEDANCE(PGM, PRIORITY)	0dBu(0.775V)/ 60kΩ BALANCED					
POWER	AC230V/50Hz, DC24V					
DIMENSIONS(mm)	483(W)x 133(H)x 374(D)mm					

### REAR VIEW



- ① OUTPUT
- ② PRIORITY CONTROL
- ③ PRIORITY INPUT
- ④ FREQUENCY DETECTOR
- ⑤ PGM INPUT
- ⑥ DC POWER
- ⑦ AC POWER REMOTE
- ⑧ AC POWER



### DRAWING

