



PX series of power amplifiers are equipped with AFS (Auto Fault Sensor) which generate pilot tones internally and automatically diagnose and detect any faulty condition that may occur at the output end. Pilot tones are generated at intervals to avoid straining the power packs, and this shall prolong the life span of the units.

PX series of amplifiers shall be linked to Amperes AX700 changeover unit for standby amplifier takeover in the event a duty unit fails, enabling automatic amplifier fault changeover setup.



PX2200 / 2300 / 2400

TECHNICAL SPECIFICATIONS

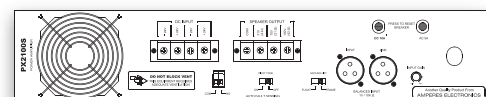
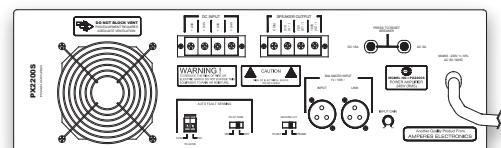
	PX2100 / PX2200 / PX2300 / PX2400
Power requirement	230 / 240 V ac (24V DC backup)
24V DC requirement	8A / 19A / 23A / 29A
Pwr consumption (load) ac	1.4A / 3A / 3.4A / 4.5A
Pwr consumption (s/by)	0.4 A
Input sensitivity	1 V / 10 K Ohm
Input gain control	-15 dB ~ 0 dB
Input connection	XLR balanced line input
Rated output (rms)	120W / 240W / 360W / 480W 100V line
Output voltage (4 Ohm)	22 / 31 / 38 / 44 V rms
Output imp (70 V line)	42 / 21 / 13 / 10.2
(100 V line)	83 / 42 / 27.8 / 20.8
Frequency response	180 ~ 17 KHz (+/- 3dB at 1 KHz) with low cut
S / N ratio	> 60 dB (@ 1 KHz)
Protections	Thermal, momentary output short circuit, AC and DC circuit breaker, Input signal clip
Indicators	AC mains, Clip, Protect, Input level, Pilot tone, Fault
Cooling system	Dual speed fan with heat sensing
FAULT DETECTION	
Detection interval	10 seconds
Detection response	15 - 25 seconds
Detection method	Internal Pilot Tone generated at 20 kHz
Failure recovery time	20 seconds max
Failure output	Dry contact (NO at 3A rating)
Dimensions (WxHxD)	
PX2100	88 x 482 x 300 mm
PX2200 / 2300 / 2400	133 x 482 x 300 mm
Weight (kg)	
PX2100	11.1 / 20.6 / 21.3 / 25.4 kg

packing information

Qty per carton : 1 unit
 W x H x D : PX2100 : 550 x 175 x 420 mm
 PX2200 / 2300 / 2400 : 550 x 215 x 420 mm
 Weight : PX2100 - 12.3 kg
 PX2200 - 21.9 kg
 PX2300 - 22.6 kg
 PX2400 - 26.7 kg

rear view : PX2200 / 2300 / 2400

rear view : PX2100



- PX2100** : 120W 100V
- PX2200** : 240W 100V
- PX2300** : 360W 100V
- PX2400** : 480W 100V

FEATURES

- Incorporating Auto Fault Sensing (AFS) circuitry for self monitoring of its output
- Pilot tone switchable for normal operation without AFS
- Interval PT generation to avoid continuous loading of the amplifier
- Thermal protection by muting input signal (typically 85 deg at heat sink)
- Temperature dependent dual speed cooling fan
- Manual reset circuit breaker for AC mains and DC input
- Balanced input signal with gain control and selectable grounding option
- AC and DC operation for uninterrupted operation during power failure

APPLICATION SCHEMATIC

