

## PX2000 SERIES POWER AMPLIFIERS WITH AUTO FAULT SENSING

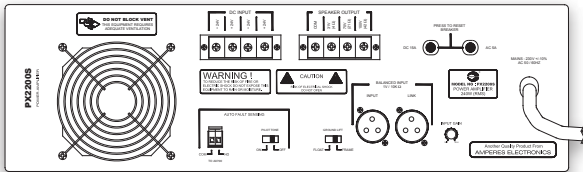


- 120W 100V | **PX2100**
- 240W 100V | **PX2200**
- 360W 100V | **PX2300**
- 480W 100V | **PX2400**

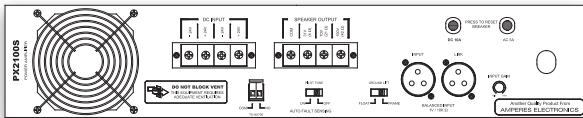


PX2200 / PX2300 / PX2400

Rear View : PX2200 / 2300 / 2400



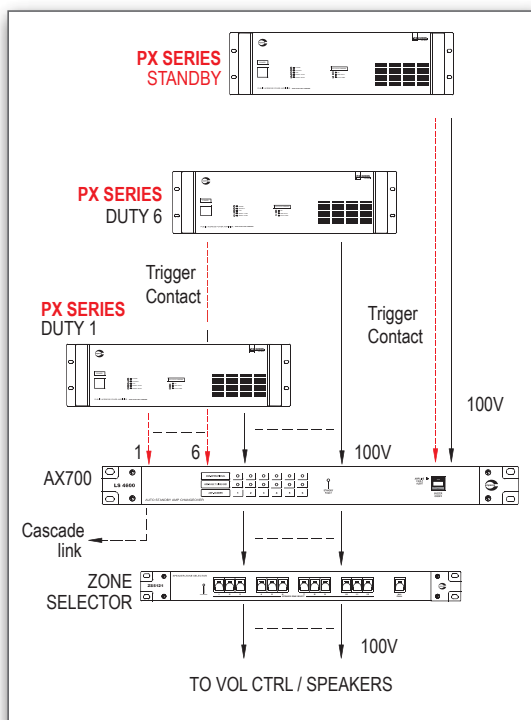
Rear View : PX2100



### 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 - 12.0 kg  
 PX2200 - 21.1 kg  
 PX2300 - 22.2 kg  
 PX2400 - 26.1 kg

### APPLICATION SCHEMATIC -



### 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

### TECHNICAL SPECIFICATIONS -

| PX2100 / PX2200 / PX2300 / PX2400 |   |
|-----------------------------------|---|
| Power requirement                 | 230 / 240V 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)            | 0.4A  |
| Input sensitivity                 | 1V / 10 K Ohm   |
| Input gain control                | -15 dB ~ 0 dB   |
| Input connection                  | XLR balanced line input   |
| Rated output (rms)                | 120W / 240W / 360W / 480W<br>100V line  |
| Output voltage (4 Ohm)            | 22 / 31 / 38 / 44V 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 (+/- 3 dB at 1 KHz)<br>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  |
| <b>FAULT DETECTION</b>            |   |
| 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)   |
| <b>Dimensions (WxHxD)</b>         |   |
| PX2100                            | 482 x 88 x 300 mm   |
| PX2200 / 2300 / 2400              | 482 x 133 x 300 mm  |
| Weight (kg)                       | 10.8 / 19.8 / 20.9 / 24.8 kg  |