

compact

lightweight

powerful

versatile



## PS8 TDCONTROLLER

### PRODUCT FEATURES

Precision circuits engineered for the PS8/LS400 systems permit increased sound pressure and operational reliability

Servo controlled VCEQs provide precise dynamic control without spectral imbalance

2 inputs and 3 outputs enable a single PS8 TD to manage multiple PS8 and LS400 products

Comprehensive indicators and controls

### PS8 SYSTEM APPLICATIONS

Near-field touring or installed PA for clubs, A/V, theatre, broadcast, etc.

High quality stage monitoring for clubs, A/V, theatre, broadcast, etc.

Fill-in system in conjunction with larger Nexo PS/Alpha systems

Anywhere powerful, high quality performance is required adjacent to magnetically sensitive video equipment



### PS8 System Components

PS8 Loudspeaker

LS400 Subwoofer

▶ PS8 TDController

PS8 Amplifier

The PS8 TDController is an advanced analogue processor that allows the PS8 Loudspeaker and optional LS400 Subwoofer to achieve exceptional performance from such compact packages. The PS8 TD provides crossover, sensed amplifier control and system equalisation optimised for the PS8 and LS400. One PS8 TD has two inputs and three outputs, L, R and summed sub out, minimising installation cost and complexity. Like all Nexo processors, the PS8 TD provides precision dynamic, voice coil temperature and diaphragm displacement protection through the use of selective Voltage Controlled Equalisers (VCEQs), reducing levels only at frequencies when and where necessary.

The PS8 Loudspeaker System is the latest addition to Nexo's acclaimed PS Series; versatile, compact, full-range loudspeakers tailored for a wide range of touring and installed sound reinforcement applications. Like all Nexo products, the PS8 Loudspeaker and optional LS400 Subwoofer are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.

PS8's compact size, enormous sound and reconfigurable horn make it the perfect solution for almost any application.



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## PRODUCT FEATURES

Audio Inputs	Two L&R Audio inputs. Electronically balanced, 36 kOhm. Two XLR-3F connectors.
Sense Inputs	Three Amplifier Sense Inputs (PS8 L&R, LS400). 150 kOhm. 6 Pole Removable Strip Terminal.
Audio Outputs	Two L&R PS8 Audio outputs. Electronically balanced, 50 Ohm. Two XLR-3M. One Mono (L+R) LS400 Audio output. Electronically balanced, 50 Ohm. One XLR-3M.
Controls	Std/Max Protection Trimmer. Gain switch (back panel), 3 positions for Amps with Gain : -12 / -6 / 0 dB. Sub On switch & Sub Gain Control.
Indicators	Speaker Protect LED's. Amp Sense & Peak LED's.
Dimensions	1U 19" Rack. 190mm (7.5") Depth
Weight :	2.9 kg (6.6 lbs) net

## SPECIFICATIONS

Output Level	+20 dBm Max. +19dBm Max on 1kOhm
Noise	-88 dBm (22 Hz - 22 kHz, UnWeighted)
THD+N	< 0.03% Typ. 0.05 Max for +18dBm Output
Power Supply	110/220 Volts (internal wiring), 50/60Hz. Earth-Lift (back panel)

## SYSTEM OPERATION

Applicable Products	The PS8 TDController is precisely matched to the PS8 & LS400 cabinets and includes sophisticated protection systems. Use of either product without a properly connected Controller will result in poor sound quality and may damage the components.
Subbass	Active two-way operation of the PS8 Loudspeaker with the LS400 Subwoofer is included in the PS8TD.

## SHIPPING & ORDERING

Packaging	PS8TDs are packaged one per box and shipped singly or with a pair of PS8s.
Shipping Weight & Volume	1 x PS.8UTD = 3.4 kg (7.5 lbs) 0.02 cu m (0.71 cu ft)

As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.



**NEXO** is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modelled and simulated, leading to breakthrough cost and performance gains.

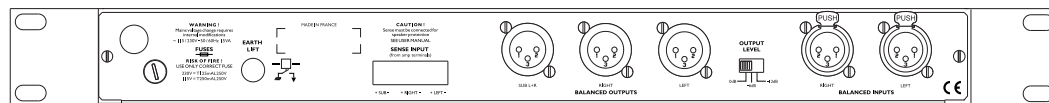
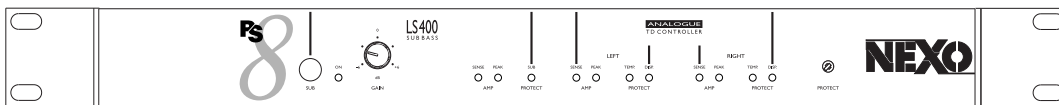
Nexo's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long-term reliability for a broad range of applications. Continuing research drives all new product development to deliver on our promise; **Sonic Innovation That Works.**

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### LIMITED WARRANTY

Nexo loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Nexo, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Nexo authorized distributor/service center. Unauthorized repair shall void the warranty. This Nexo warranty does not cover cosmetics or finish and does not apply to any items which in Nexo's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

