

The NEO Extension 4250E is a power amplifier and extension controller with 4x250W or 2x500W for the compact EN 54-16 PA/VA system NEO.

This power amplifier can extend the NEO system by 4 additional 100V / 70V zones through its 4 Class-D amplifiers



The amplifiers are fully configurable with the NEO configurator software (included with NEO).

Furthermore, it is possible to configure the amplifier as part of the whole NEO system, create system sequences and execute actions in the system. For example, input level, date and time, UDP command, GPIO, or buttons from the MPS microphone units.

NEO-4250E Main Features:

- Class-D amplifiers 4 x 250W (with A/B outputs) for 100V / 70V lines.
- 4 preamplifier outputs for external PA amplifiers
- DSP: Parametric 7-band input/output equalizer, volume, LDA sound enhancer, independent volume control per output channel and audio filters
- Triple Ethernet port: for Digital Audio CobraNet®, remote control and monitoring, and for expanding the system with NEO extensions in daisy-chain mode with Flexnet technology (up to 1024 zones)
- Control for up to 16 LDA AT-6 level controllers
- 6 supervised contact relays for integration with Fire Alarm Control Panel.



Technical Data:

Model	NEO4250E
Power supply	110-120V / 220-240VAC 50/60Hz.
Power consumption	900W max / 200W at 1/8 output power/ 40W Standby
Frequency response	80 - 20.000Hz +/-3dB
Signal to noise ratio	>93dB, A-rated
Distortion factor	<0,5 % according to IEC 60268-3
Gain adjustment per channel	-100dB - 0dB, 1dB-steps
DSP	integrated. 48 kHz, 24 Bit - 344 MIPS
FlexNet (Cobranet + Control)	3 x FlexNet Redundant (automatic switching), Ethernet10/100Mbits. Female RJ-45
Pre-amp Audio Outputs	4 x Balanced audio 1Vp, 0,707Vrms. 100 Ω, 3Pin, Euroblock Type
Prio / Ctrl . Input	1 x Balanced audio, 1Vp, 0,707Vrms. 10000 Ω / 0 - 5V DC output 10000 Ω, 4Pin, Euroblock Type
Attenuators control	4 x Override 24V DC, 4 x 40mA, 2 Pin, Euroblock Type (4 pin connector)
Emergency control inputs	6 x 0 - 5V DC, Monitored inputs, 2 Pin, Euroblock Type (4 pin connector)
Emergency control outputs	2 x Relay contact Isolated Output, NO, Max 60V DC 130mA, 2 Pin Euroblock Type (4 pin connector)
Amplifier	4 x 250W/100V or 2 x 500W/100V (-3dB with sine-like alarm-signals), Min.-load 40 Ω
Speaker Outputs	8 (4 dual managed lines) x 70 /100V. 2 Pin, Euroblock Type (4 pin connector)
Speaker Loop Input	8 (4 dual) x No Voltage Contact inputs, 3 Pin, Euroblock Type
Spare Amplifier Inputs	4 x 250W @ 70/100V 1, 2 Pin, Euroblock Type (4 pin connector)
Protection	Over-temperature, DC, infrasonic, short circuit, slow start-up, overload. Start-up test.
Emergency Power Input	1 x 20 - 28V DC, 32A, Fused (32A), 2 Pin, Euroblock Type (2 pin connector)
Emergency Power Status Inputs	3 x NO - NC, 3 Pin, Euroblock Type
Operation conditions	-5 °C to +45 °C / 23 °F to 113 °F 5% to 95% Relative humidity (No condensation)
Finish	Front: Fe, Grey RAL 7016 Back: Fe, Black RAL 9005 Case: Al, Black RAL 9005
Weight	9,8 kg / 21,61 lb
Dimensions (W x H x D)	483 mm x 88 mm x 455 mm / 19" x 3,46" x 18"
Accessories	2 x Rack mounting, Male Euroblock connectors, installation screws, 4 x Rubber foot, 1 x Power cable 2m / 6,56ft (EU Type), 1 x Ethernet Cable 2m / 6,56ft.

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