

NEO



EN54-16 Public Address Background Music and Voice Alarm System

The power behind **your mission**





NEO Virtue is in the middle way

NEO is an EN 54-16 certified public address background music and voice alarm system, compact and all-in-one, that allows a quick installation using only one unit.

Designed for medium and large venues, NEO offers advanced functions while reducing time and costs. Its plug-and-play philosophy facilitates all installation, maintenance and operating procedures.

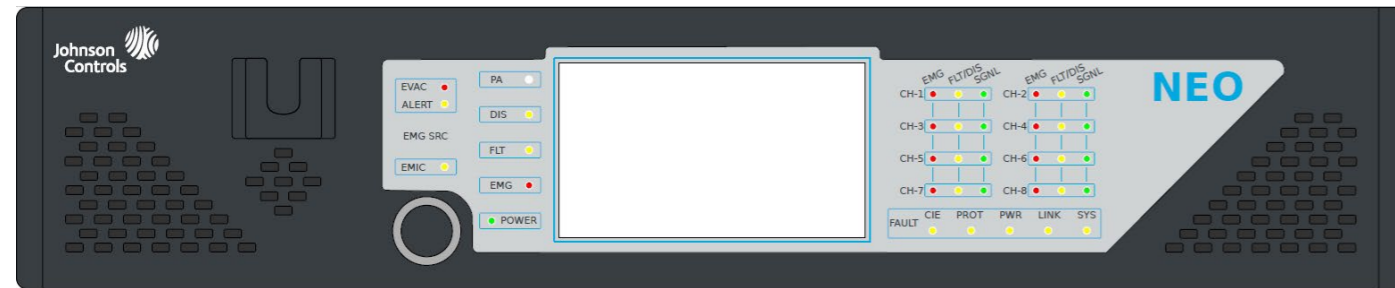
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NEO-8060

MAIN UNIT 8 x 120 W

Central Control for up to 1024 public address and emergency zones



NEO-8060

Features

“
Scalable and customizable system, EN 54 certified

“
Maximum security and intelligibility in any situation

“
Easy and intuitive use both in local and remote mode

1-Internationally Certified

2-Multizone Amplification

3-High Connectivity

4-Modular and Escalable

1- Complying with International Standards

The NEO system guarantees a safe and controlled evacuation since it is designed to comply with the strictest international regulations. The main unit and its extensions adjust to the EN 54-16 standard (certificate 2426-CPR-105) and the EN 60849 standard. They are complemented with EN 54-24 certified speakers and EN 54-4 certified power supply equipment.

2- 8 Amplification Zones with ONE NEO Unit

The NEO system includes 8 class D amplifiers for 8 independent audio zones, working from 8 local and 32 remote sources. The user can configure up to 8 120 W channels with line supervision, and use one of them as a back-up. NEO has a built-in dual player with 4 GB storage to record up to 99 messages and/or 13 hours of audio.

3- Expandable and Scalable to Reach Everywhere

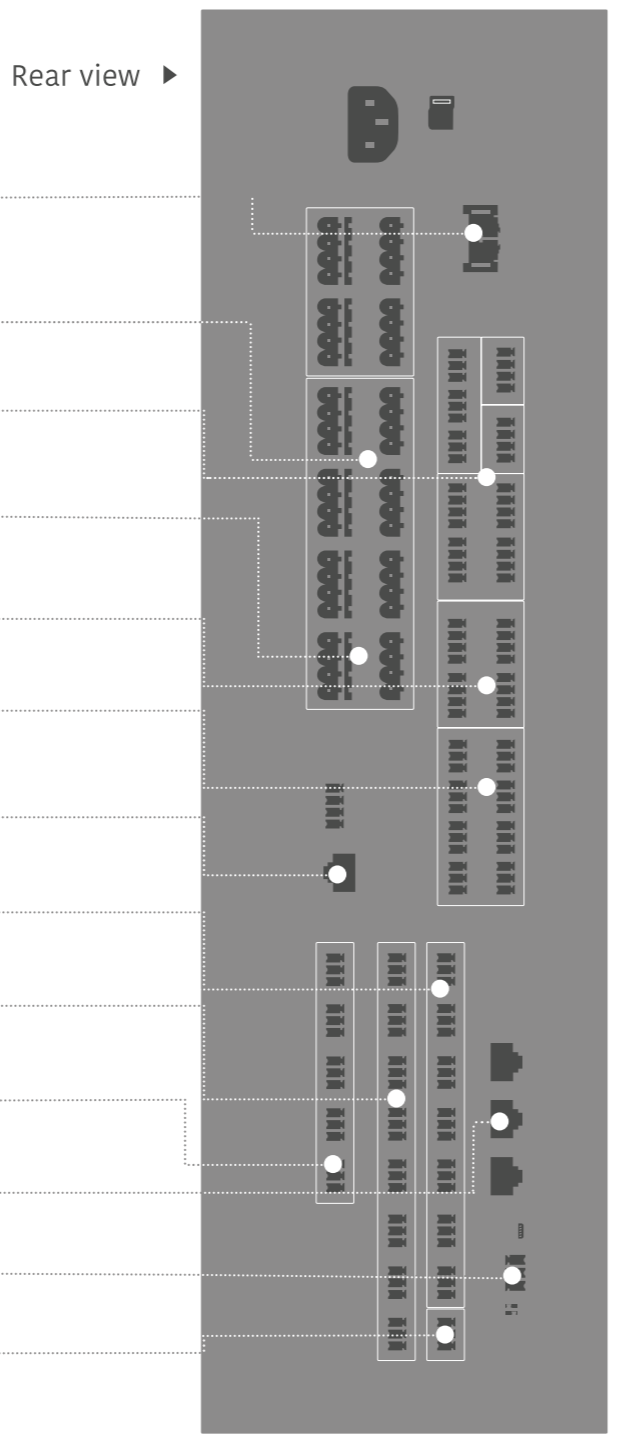
NEO works with other equipments using standard Ethernet networks and universal protocols such as Cobranet, Flexnet and RS-485. This high connectivity makes it work fine without special cabling in any installation through the data network.

4- The Most Advanced Integration

The NEO 40x1024 audio matrix can send audio out to any zone simultaneously. This allows to have different audio for every area, with digital quality provided by the DSP system for filters and parametric equalisation of 7 bands. Thanks to its modular configuration, NEO can reach up to 1024 zones in a system with 128 stations.

NEO-8060

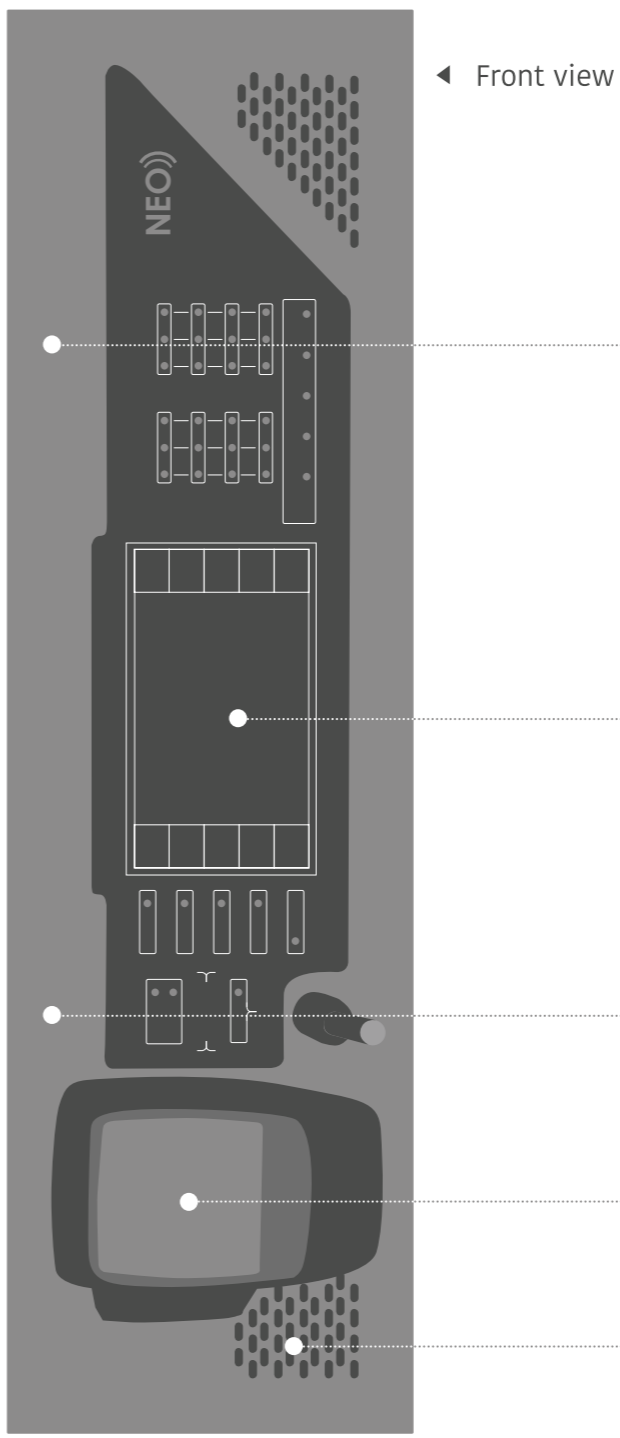
Features



- Backup power input 24 V DC 1
- 8 Class D amplifiers, each 120 W 2
- Contact closure interface with fire detection panel 3
- Line supervision and standby amplifier 4
- 8 24 V outputs for attenuator control 5
- 8 EOL device inputs 6
- Microphone bus and remote panel 7
- 14 GPIO closures for integration 8
- 8 pre-amplified audio outputs 9
- 5 balanced analogue audio inputs 10
- Triple Ethernet interface 11
- RS-485 port for integrations 12
- RS-485 interface with fire detection panel 13

NEO-8060

Mater Controller



- Dual player for pre-recorded messages (13 hours / 99 messages) 1
- 4.3" colour, touch-screen display 2
- Digital audio matrix (40 inputs and up to 1024 zones) 3
- Supervised emergency microphone 4
- Monitor speaker 5



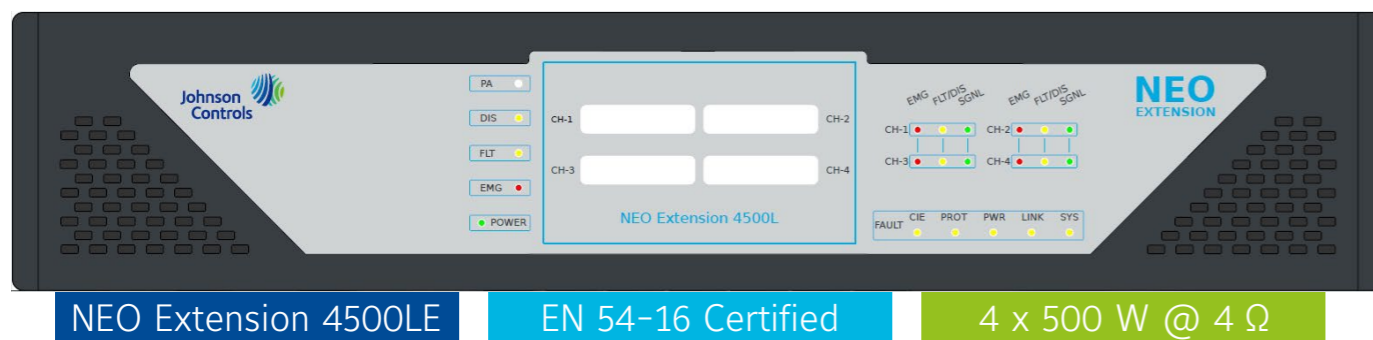
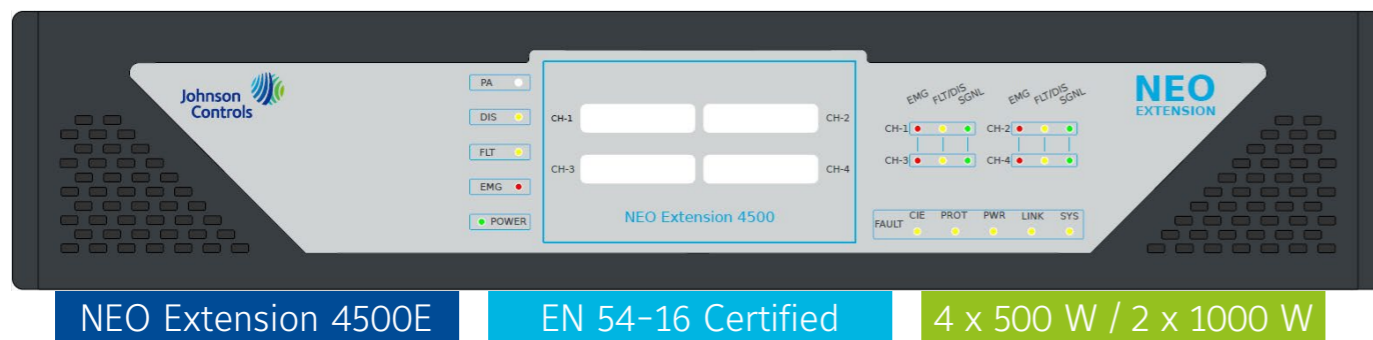
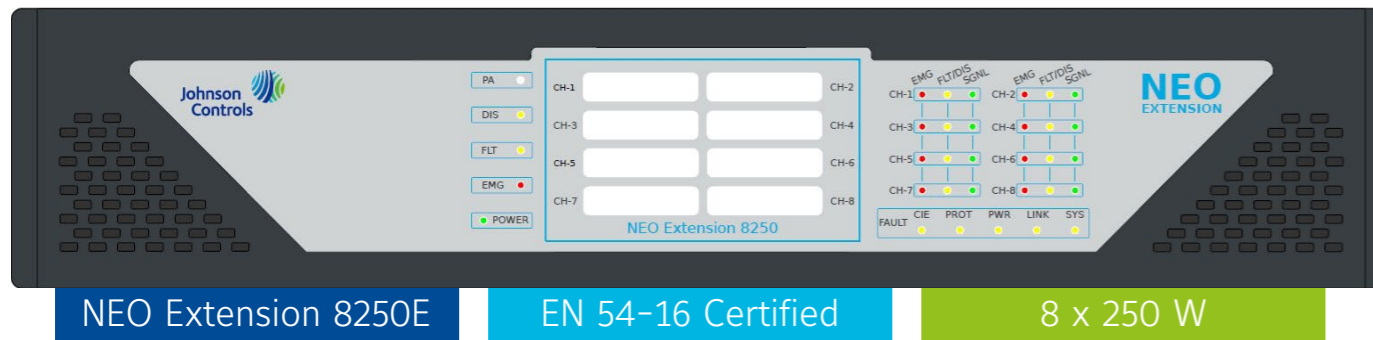
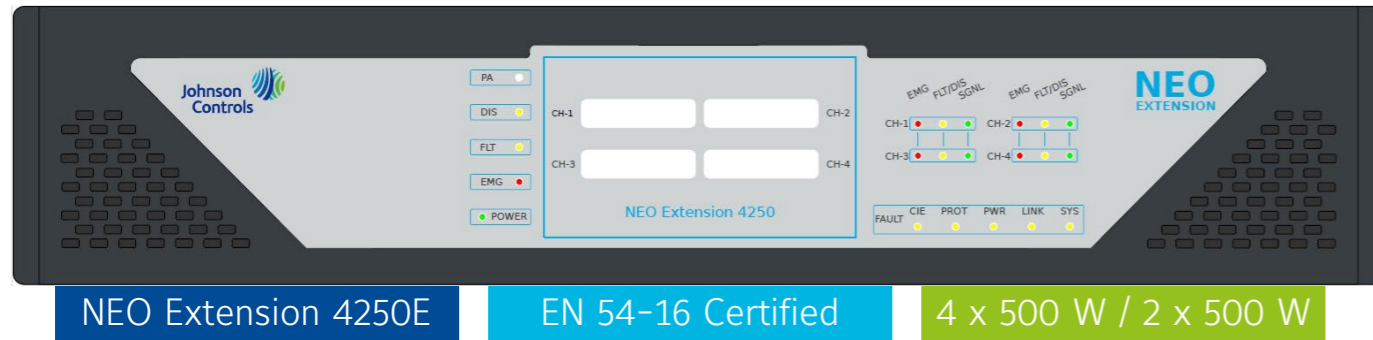
Go Further with
NEO Extension

NEO can expand up to 1024 alarm zones with ease and scalability thanks to the NEO Extension units.

Through UTP wiring, Flexnet and audio over Ethernet, the NEO main unit sends the signal out to all system zones and can control them centrally.

NEO automatically recognises the connected NEO Extension units and expands the zones according to the desired configuration in each installation.

Go Further with NEO Extension



NEO Control: Safe Remote Supervision

The whole NEO system, main unit and extensions included, can be easily managed thanks to the NEO Control auto-install software.

Without the need to configure databases, NEO Control can add the installation drawing plans and manage the system from top to bottom: volume control, audio routing, failure supervision, evacuation mode, etc.

Neo Configurator: Make the Most of NEO System

With an easy and intuitive interface, NEO Configurator allows to configurate each and every NEO parameter.

Using this Windows software, any project can be managed as required down to the smallest detail, adding and assigning devices, linking systems, setting audio zones messages, launching events, etc.



A Custom
Made System
with Reliable
Accessories

A Custom Made System with Reliable Accessories



Battery Charger EQ-241976
EN 54 certified

EN 54-4 charger with 2 outputs (480 W each) and 960 W maximum power.



Battery Charger EQ-241977
EN 54 certified

EN 54-4 charger with 6 outputs (960 W each) and 3600 W maximum power.



Battery EQ-241978

45 Ah and 12 V battery far EQ-241976 charger.



Microphone MPS-8Z
EN 54 certified

Paging station with 8 zone buttons, 1 far events and 1 far memory.



Expansion Keyboard MPS-8K
EN 54 certified

EN 54 certified expansion unit far MPS-8Z paging station with 8 programmable buttons.



Microphone A-1

One zone desktop microphone with lighting indicators and microcontroller.



Battery EQ-241994

120 Ah and 12 V battery far EQ-241977 charger.



End of Line Device TFL-1
EN 54 certified

EN 54 certified EOL device to measure impedance in 70/100 V lines. Requires return.



End of Line Device TFL-2
EN 54 certified

EN 54 certified EOL device to measure impedance in 70/100 V lines.



DIGITAL MATRIX ZES-22

Digital audio processor. Analogic-digital audio converter with 4 balanced inputs/ outputs.



Wall Controller VCC-64

Controller far channels (up to 99 programmable) and volume (0-9 levels) with RS-485 bus connection.



Power Adapter VCC-64PSK

RJ-45 communication and power supply adapter to connect up to 10 VCC-64 wall controllers.

About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers, and manufacturing. With a global team of over 100,000 experts in more than 150 countries and over 130 years of innovation experience, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®.

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The power behind **your mission**

