

NEO 8060 is a compact, EN54-16 certified voice alarm/paging system. It ensures fast, safe and controlled evacuation in emergency situations.

NEO is a cost-effective voice evacuation and paging system due to its innovative features, excellent audio quality and flexibility in only 2 height units: it includes 8 Class-D amplifiers, 5 audio inputs, a 8x8 audio matrix (up to 40x1024 digital), a touchscreen display and CobraNet® (audio via Ethernet), among other features.



With NEO configuration software (included), it is possible to remotely configure NEO system components, create actions and events via an event manager included in the scope of delivery.

### NEO Main Features:

- 5 audio inputs
- 8 Class-D amplifiers for 100 V / 70 V speaker circuits: with 120 W per channel
- Audio matrix 8x8 (digital up to 40x1024)
- 8 preamplifier outputs for connecting external PA amplifiers
- Up to 8 multi-zone microphones MPS-8Z or VAP-1 via CAT5 UTP cable
- DSP: Parametric 7-band input / output equalizer, LDA sound enhancer, independent volume control for each E / A channel incl. audio filter
- Triple Ethernet port: For Digital Audio Cobranet, remote control and monitoring, and to communicate the system with the NEO Extensions (system extensions) in daisy-chain mode with Flexnet technology (up to 1024 zones).
- 4.3 " front touch screen display with access control
- 4 GB internal memory for recorded messages
- Integrated emergency microphone and integrated monitor speaker
- 22 GPIO ports (8 monitored for integration into the fire alarm panel)



### NEO voice alarm / emergency functions:

- Certified according to EN 54-16 and EN-60849
- Detection and display of errors in all emergency functions
- Integration in fire alarm control panels
- Integrated text memory for own messages
- High speech intelligibility
- Gradual evacuation
- Event logging
- Emergency log (log file)
- Speaker line monitoring
- 8 a/b speaker lines (16 individual lines)
- Average amplifier connection: 7 + 1 (120 W channels)

**Technical data:**

Model	NEO 8060
Power supply	115 / 230V ~ 50/60Hz
Power consumption	550W max / 100W at 1/8 output power
Frequency response	20 - 20,000Hz +/-1dB
Signal to noise ratio	>98dB, A-weighted
Distortion factor	<0,05 %
Gain adjustment per channel	-100dB - 0dB, 1dB steps
DSP	integrated. 48 kHz, 24 bit - 344 MIPS
FlexNet/ Cobranet	2 x FlexNet redundant (automatic switching)/ CobraNet®, Ethernet10/100Mbits. RJ-45 female
Audio inputs	5 x balanced audio 1Vp, 0.707Vrms. 10K, 3-Pin, Euroblock type
LDA ACSI bus	1 x balanced audio 1Vp, 0.707Vrms. 10 K $\Omega$ , RJ-45 female, total 1000m. / 2624.7ft
Pre-amp Audio Outputs	8 x balanced audio 1Vp, 0.707Vrms. 100 $\Omega$ , 3-pole, Euroblock type
Rec. Audio / Ctrl. Outputs	1 x balanced audio, 1Vp, 0.707Vrms. 100 $\Omega$ 0 - 5V DC output 100, 4-pin, Euroblock type
ATT control	8 x bypass 24V DC, 8 x 40mA, 2-pole, type Euroblock (4-pole plug)
Emergency control inputs	10 x 0 - 5V DC, monitored inputs, 2-pole, type Euroblock (4-pole plug)
Emergency control outputs	2 x relay contact, isolated output, NO, Max 60V DC 130mA, 2-pole, type Euroblock (4-pole plug)
General control (GPIO)	14 x control I/O, 0 - 5 V, 100 x, 3-pole, type Euroblock
Virtual matrix	40 x 1024
Amplifier	8 x 120W/100V (-3dB with sine-like alarm-signals). Min. load 83 $\Omega$
Speaker outputs	16 (8 dual managed A/B lines) x 70 /100V. 2-pole, Euroblock type (4-Pin).
Speaker Loop Input	16 (8 dual x volt-free contact, 3-pole, Euroblock type)
Spare Amplifier Inputs	8 x 120W at 70 or 100V, 2-pole, Euroblock type (4-pole plug)
Protection	Overtemperature, direct current, infrasound, short circuit, slow start-up, overload. Start test.
Emergency power input	1 x 20 - 25V DC, 20A, with fuse, 2-pole, Euroblock type.
Emergency power status inputs	3 x NO - NC, 3-Pin, type Euroblock
Display	TFT 480x272 4,3" with touch screen
Operating conditions	-5 °C to +45 °C / 23 °F to 113 °F 5% to 95% relative humidity (no condensation)
Surface/Finish	Front: sheet steel, gray RAL 7016 Back: sheet steel, black RAL 9005 Housing: aluminum, black RAL 9005
Weight	13.5 kg / 29.76 lb
Dimensions (W x H x D)	483 mm x 88 mm x 455 mm / 19" x 3.46" x 18"
Accessories	2 rack mounting brackets, Euroblock connectors, mounting screws, 4 rubber feet, 1 power cable 2m / 6.56ft (EU type), 1 x Ethernet cable 2m / 6.56ft.