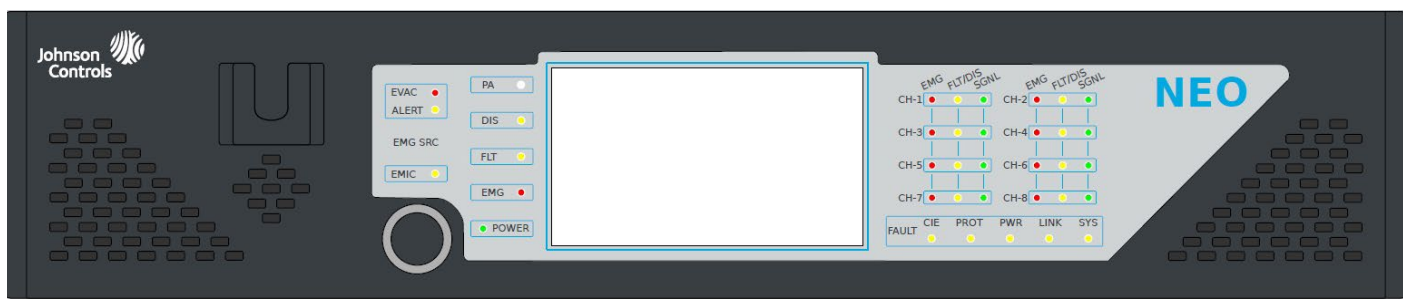


# NEO-8060

## EN54-16 Public Address and Voice Alarm System



LDA NEO 8060 is a compact EN 54-16 certified PA/VA system that ensures a fast, safe and controlled emergency evacuation.

NEO represents a cost-effective voice evacuation and public address system due to its cutting-edge features, excellent audio quality and flexibility in just 2U: 8 class D amplifiers, 5 audio inputs, 7x8 audio matrix (39x1024 digital), touch screen, Cobranet audio, etc.

With the NEO Configurator software (included), it is possible to configure the equipment remotely and create events to perform actions in the system triggered by conditions of: input level, date&time, UDP command, a GPIO or button from MPS microphone.

### General features:

- 5 audio inputs.
- 8 class D amplifiers with two configurations for 100V/70 V lines: 8 class D amplifiers of 120 W per channel or 4 class D amplifiers of 250 W per channel.
- Audio Matrix 7x8 (digital up to 39x2014).
- 8 pre-amp outputs for external PA amplifiers connection.
- Up to 8 multi-zone microphones MPS-8Z or VAP-1 panels connected with CAT5 UTP cable.
- DSP: 7-band input/output parametric equalizer, loudness, sound enhancer, independent volume control per each I/O channel and audio filters.
- Triple Ethernet port: for Digital Audio Cobranet, remote control and supervision, and for escalating the system with NEO Extensions in daisy-chain mode with Flexnet technology (up to 1024 zones).
- 4,3" frontal touch screen with access control.
- 4 GB of internal memory for pre-recorded messages.
- Integrated emergency microphone.
- Control for up to 32 attenuators AT6.
- Integrated frontal loudspeaker for monitoring.
- 22 GPIO ports (8 supervised for integration with fire alarm control panel).

# Technical specifications

Model	NEO-8060
Reference	590.001.001
Power supply	550 W max / 100 W at 1/8 output power
Power consumption	550 W max / 100 W at 1/8 output power
Frequency response	20 - 20.000 Hz +/-1 dB
Signal to noise ratio	R>98 dB, A-weighted
Distorsion factor	<0,05%
Gain adjustment per channel	-100 dB -0 dB, 1 dB steps
DSP	Integrated. 48 kHz, 24 bits - 344 MIPS
FlexNet/ Cobranet	2 x FlexNet redundant (automatic switching)/ Cobranet,Ethernet 10/100 Mbits. Female RJ-45
Audio inputs	5 x balanced audio 1 Vp, 0,707 Vrms. 10 KÙ, 3 Pin, Euroblock type
LDA ACSI bus	1 x balanced audio 1 Vp, 0,707 Vrms. 10 KÙ, Female RJ-45, total 800 m / 2624.7 ft
Pre-amp audio outputs	8 x balanced audio 1 Vp, 0,707 Vrms. 100 Ò, 3 Pin, Euroblock type
Rec. audio / ctrl. outputs	1 x balanced audio, 1 Vp, 0,707 Vrms. 100 Ò / 0 ~ 5 V DC output 100 Ò, 4 Pin, Euroblock type
ATT control	8 x override 24 V DC, 8 x 40 mA, 2 Pin, Euroblock type (4 pin connector)
Emergency control inputs	10 x 0 - 5 V DC, monitored inputs, 2 Pin, Euroblock type (4 pin connector)
Emergency control outputs	2 x relay contact isolated output, NO, max 60 V DC 130 mA, 2 Pin Euroblock type (4 pin connector)
General control (GPIO)	14 x Control I/O, 0 - 5 V, 100 Ò, 3 Pin, Euroblock type
Virtual matrix	32 x 1024
Amplifier	8 x 120 W Class D, 60 Wrms x 8 @ 70 / 100 V. Min load 166 Ò or 4 x 250 W Class D,120 Wrms x 4 @ 70 / 100 V. Min load 83 Ò
Speaker outputs	16 (8 dual managed lines) x 70/100 V. 2 Pin, Euroblock type (4 pin connector)
Speaker loop input	16 (8 dual) x no voltage contact, 3 Pin, Euroblock type
Spare amplifier inputs	8 x 60 Wrms at 70 or 100 V, 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 - 25V DC, 20A, fused, 2 Pin, Euroblock type
Emergency power status inputs	3 x NO - NC, 3 Pin, Euroblock type
Display	TFT 480x272 4,3'' with Touch Panel

# Technical specifications

Model	NEO-8060
Operating condition	-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	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"
Accessory	2 x rack mounting, male Euroblock connectors, installation screws, 4 x rubber foot, 1 x power cable 2 m / 6.56 ft (EU Type), 1 x Ethernet cable 2 m / 6.56 ft

## Voice alarm/emergency features:

- EN 54-16 and EN-60849 certified.
- Detection and indication of failure in all emergency functions.
- Integration with fire alarm control panels.
- Pre-recorded evacuation messages.
- Phased evacuation.
- Manual control of emergency states with access control.
- Recording output in emergency state.
- Emergency log.
- Loudspeaker line supervision.
- A+B connection (16 lines).
- Back up amplifier connection: 7+1 (120 W channels) or 4+1 (250 W channels).
- Rear view