



MILO 8250E

ORDER NO. S21825-00

NSC MILO 8250E Extension Controller & Amplifier is an extension unit for the MILO 8120 EN 54-16 certified PA/VA system.

DESCRIPTION :

This extension unit expands the MILO system with 8 more zones, including 8 class D power amplifier channels of 250W at 100V or 70V, powering up to 16 (8 A&B) loudspeaker lines. If required, 1 or more channels can be configured as back-up amplifier to substitute a faulty amplifier channel within the same unit.

Audio and data are transmitted from the MILO 8120 main unit to the extension unit via a daisy-chain connection by Flexnet and uses Audio over IP technology. Therefore, it guarantees maximum audio quality and integrity in the signal.

The MILO extension unit is fully configurable via the MILO Configurator software. Remote control allows configuration of the complete MILO system and to create events in order to perform actions in the system, triggered by conditions such as input level, date & time, UDP commands, a GPIO or a button from the MCS multizone call station.

KEY FEATURES:

- 8 class D amplifiers for 100V/70V speaker lines: up to 250W loads per channel
- Up to 16 (8 A&B) supervised loudspeaker lines.
- 1 or more of the 8 channels can be used as backup amplifier within the same unit.
- Optional supervision of the loudspeaker line via return line, for most reliable line monitoring
- 8 pre-amplified line outputs to link external PA amplifiers
- Integrated DSP with 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 over IP (CobraNet®), remote control & supervision and to extend the system with MILO Extension Matrix Amplifiers in daisy-chain mode with Flexnet technology (up to 1024 zones).
- Control for up to 32 100V attenuators.
- 10 supervised relay contact inputs for integration with a Fire Alarm System.
- 24VDC secondary power supply

TECHNICAL SPECIFICATIONS

Model	MILO 8250E
Power supply	110-120V / 220-240V~ 50/60Hz.
Power consumption	900W max / 200W at 1/8 output power/ 40W Standby
Frequency response	80 - 20.000Hz +/-3dB
Signal to noise ratio	>98dB, A-weighted
Distortion factor	<0,05% under 60268-3
Gain adjustment per channel	-100dB -0dB, 1dB steps
DSP	Integrated. 48 kHz, 24 bits - 344 MIPS
FlexNet (CobraNet + Control)	3 x FlexNet Redundant (automatic switching), Ethernet10/100Mbits. Female RJ-45
Pre-amp Audio Outputs	8 x Balanced audio 1Vp, 0,707Vrms. 100 Ω, 3Pin, Euroblock Type
Rec. Audio / Ctrl. Outputs	1 x Balanced audio, 1Vp, 0,707Vrms. 100 Ω / 0 - 5V DC output 100 Ω, 4Pin, Euroblock Type
Attenuator Control	8 x Override 24V DC, 8 x 40mA, 2 Pin, Euroblock Type (4 pin connector)
Emergency Control Inputs	10 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	8 x 250W Class D (8 x125Wrms) @ 70/100V. Min. load per channel: 40 Ω
Loudspeaker Outputs	16 x (8 A&B, dual managed lines) 70 /100V. 2 Pin, Euroblock Type (4 pin connector)
Loudspeaker Line Return Loop Input	16 x (8 A&B, dual inputs) No Voltage Contact inputs, 3 Pin, Euroblock Type.
Spare Amplifier Inputs	8 x 250Wmusic/125Wrms @ 70/100V, 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
Operating Condition	-5 °C to +45 °C / 23 °F to 113 °F 5% to 95% Relative humidity (No condensation)
Finish	Front: Fe, Grey RAL 7036 Back: Fe, Black RAL 9005 Case: Al, Black RAL 9005
Weight	15 Kg / 33,07 lb
Dimensions (W x H x D)	483mm x 88mm x 455mm / 19" x 3,46" x 18"
Accessory	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.