

# 8 ZONE VOICE ALARM EXTENDER

VOICE ALARM SYSTEM



## DESCRIPTION

The NVS-EN85CX 8-zone voice alarm extender is a key component of the EN54-16 certified public address and voice alarm system. This all-in-one voice alarm and evacuation extender offers the same features as the voice evacuation controller, including zone paging, signal line monitoring, amplifier changeover, speaker line supervision, power supply monitoring, power amplification, and fire alarm interface, with all main signals fed from the master controller. Equipped with a Digital Signal Processor (DSP), the router ensures high-quality audio performance and advanced signal processing for both commercial announcements and emergency evacuations. Each extender includes 8 zone speaker outputs, with a rated power output of 500W. The system can be pre-configured using supplied software for microphone and zone settings, zone loading, speaker monitoring, fire alarm mode, alert/evacuation message outputs, and AC/DC configurations, which are then synchronized with the master controller and extender. The system complies with EU regulations EN54-16:2008 for Voice Alarm Control and Indicating Equipment.

## FEATURES

- ◉ Replicates NVS-EN85CT master controller functions
- ◉ Broadcasts 256 preset EVAC/alert messages to zones
- ◉ AB line supervision for speaker fault detection
- ◉ Auto backup amplifier switching for redundancy
- ◉ Expandable to 120 zones via cascading
- ◉ 8 supervised I/Os with EVAC, reset, fault relays
- ◉ Automatic fault and event logging

Specifications	
<b>Model</b>	NVS-EN85CX
Rated Power Output	500W
Fireman Microphone	5Mv, 600Ω
Frequency Response	80Hz~20kHz
THD	<1% at RMS,1KHz
S/N Ratio	>70dB
Speaker Output	100V AB 8 zone speaker outputs
REC Output	200mV
Trigger Input & Output	8 trigger inputs: Max 3.3V (voltage mode) or 0V closed contact;8 trigger outputs: 0V closed contact;1 fault, 1 reset & 1 EVAC relay outs
Event Record	HEX format, Hard Flash memory, events up to 1000 records, 10 years valid

## NVS-EN85CX

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Operating Temperature	+5°C ~ +40°C
Operating Humidity	<95%(Non- condensing)
Power Consumption	650W
Power Supply	AC 115V - 230V & 24V DC inputs, 50-60HZ
Dimension	484×132×449mm
Weight	23kg

### ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-EN85CX	8 ZONE VOICE ALARM EXTENDER	01

### ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01