

Description

Sigcom's VECP-60 is a high-performance 60-Watt voice evacuation control panel designed for use as an adjunct panel to UL-listed fire alarm control panels (FACP) or as a stand-alone emergency voice/tone notification system. The VECP-60 integrates a Class D digital amplifier, built-in microphone, supervised battery backup, and user-installable message/tone selection.

Applications

The VECP-60 panel is ideally suited for the upgrade of existing fire alarm systems to add voice evacuation capability without replacing the FACP or can be used as a stand-alone emergency voice notification system. Typical applications include places of assembly such as schools, theaters, places of worship, office buildings, restaurants, and military facilities. In addition, a built-in auxiliary audio input enables VECP-60 to interface with existing telephone paging systems, increasing the overall functionality of the system.

Installation and Operation

The VECP-60 is easy to add to an existing fire alarm system interfacing directly to any addressable or conventional FACP. The VECP-60 can interface with any control panel listed for fire alarm applications through a supervised 24V reverse polarity NAC activation input. In addition to the 24V reverse polarity NAC activation input, the VECP-60 system has 5 additional supervised dry contact inputs for activation of various other tone/message combinations as needed. System configuration and tone/message selection can be accomplished through a set of on-board DIP switches or connecting a laptop computer to the on-board mini USB plug and running VECP-60 configuration software. The system also includes a supervised 1V_{RMS} auxiliary audio input that is activated using a dry



Intertek Listed for compliance with UL 864, UL 1711

Typical Applications

Upgrade Existing Fire Alarm Systems

- Schools
- Healthcare Facilities
- Military Facilities
- Theaters
- Office Buildings
- Places of Worship
- Factories
- Restaurants
- Dormitories

Features

contact PTT closure and a 24V reverse polarity output that is activated by the VECP-60 to indicate an active alarm condition. The VECP-60 Evacuation Panel enclosure includes an integral Power Supply, a set of 12V batteries for back-up power, and an integral microphone for live voice announcements.

- Connects to any listed FACP
- High efficiency 60W Class D digital amplifier with 2 supervised 25Vrms (70V optional) 30W speaker loop outputs (Class A or B)
- Activated with 24 VDC polarity reversing NAC circuit or up to 5 supervised dry-contact relays
- 7** alert tones and **5** voice messages with field selectable and user-installable options
- On-board backup batteries and charging system
- Configurable via on-board DIP switches or USB configuration soft-ware
- Integral supervised microphone
- Surface or flush-mount dead front locked cabinet

MADE IN



FROM DOMESTIC AND GLOBAL COMPONENTS

VECP-60 Specifications

Specifications are subject to change without notice due to product enhancements.

Power Supply

AC Power	120 VAC, 60 Hz, 2A
DC Power	20.4 - 26.4 VDC, regulated
60 Watt Load	2.75 A max at 24 VDC
Standby	0.21 A
Battery Saver	80

mA Alarm Activation Inputs

Primary	1, 4-position, Class A, reverse polar-ity (NAC); activates fire alarm message and tone; 10-30 VDC,
Secondary	1, normally-open supervised dry circuit input.

Auxiliary Message Inputs

4, normally-open dry contact; 5 mA max; supervised

Auxiliary Audio Input

Input Level	1 VRMS Nominal
Impedance	10 KOhm
Microphone Input	Supervised, Internal, overrides recorded messages when paging during alarm

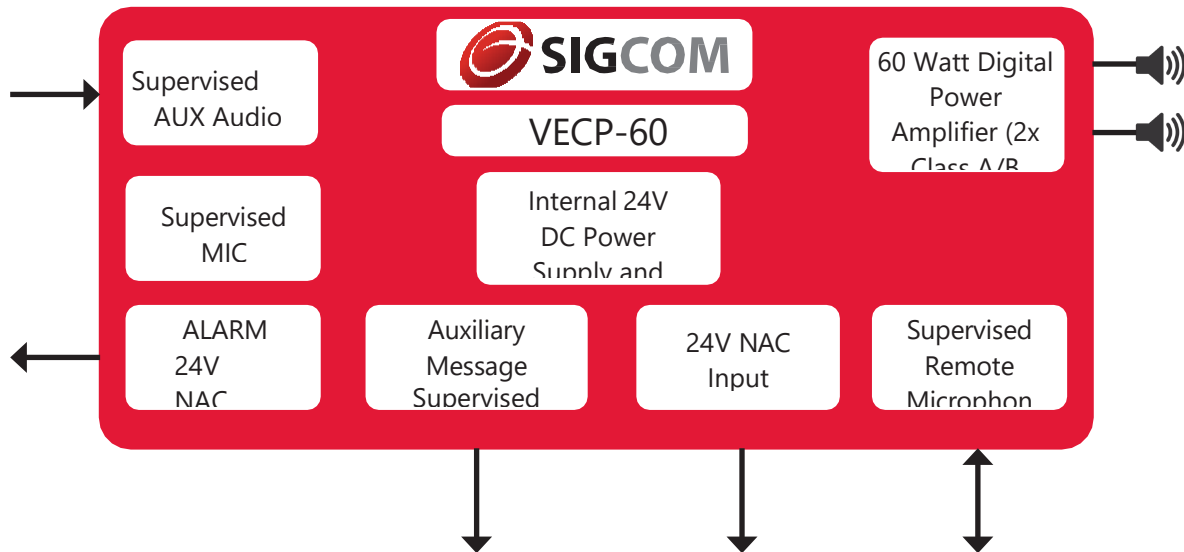
Audio Outputs

Output Power	60 Watts total (power limited)
Voltage	25VRMS, (70VRMS optional)
Speaker Circuits	2, Class A (style Z) or Class B (style Y) Alarm Output 24V NAC
Temperature Range	32°F to 122°F (Operating Temp) (0°C to 50°C)
Humidity	90% Maximum, non-condensating
Approvals/Listings	Listed for compliance with:

UL 864
UL 1711



Weather Enclosure	Surface or flush-mount, indoor
Dimensions (20" h x 15 3/4" w x 5" d)	
cut-in size	(18 3/4" h x 14 1/2" w x 4" d)



Ordering Information

Model	Description
VECP-60	60-Watt Voice Evacuation Control Panel with paging
microphone MNS-70V-XFMR	Optional 70VRMS Transformer Module w/Enclosure
MNS-RM	Optional Supervised Remote Microphone in surface mount key-locked enclosure
DAPB-100	Optional 100-Watt Distributed Power Amplifier

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