

### Overview

The VECP Series Voice Evacuation Control Panel contains a state of the art 25 or 50 Watt high efficiency, digital power amplifier for use in life safety applications. The VECP-25 and VECP-50 are packed with options to enhance the voice evacuation package and to significantly increase the ease of installation.

Features such as the supervised internal microphone, low current draw, undistorted 25 or 50 Watt sine power, standard digital message unit and four speaker loop outputs make the VECP-25 or the VECP-50 the ideal choice for critical life safety applications. Sixty seconds of pre-recorded voice messages can be programmed into the digital message unit. These messages can be activated by either 24 VDC polarity reversing or dry-contact inputs.

A built-in auxiliary audio input allows the VECP to interface to telephone paging systems, increasing the functionality of the system and adding to the value offered to the end-user. Additional non-fire emergency messages can be added to the system and used to alert building occupants of conditions such as weather alerts, chemical spills and gas leaks. Custom programmed messages and alert tones are also available.

Diagnostic meter bars, which indicate speaker load or signal levels on the audio channels, plug in terminal connections and an installer's system test button make the VECP one of the most installer-friendly panels on the market. SigCom's intelligent overload protection feature limits the output power to a maximum preset level. This protects the panel without disconnecting the load and disabling the evacuation system.



### Features

- High efficiency Class D digital amplifier
- 24 VDC polarity reversing or dry-contact activation
- Low current draw
- Undistorted 25 or 50W sine power
- Up to 60 seconds of pre-recorded digital voice messages
- Automatic backup feature (50W models)
- 4 supervised speaker loop outputs (Class A or B)
- Field selectable 25/70 VRMS speaker loops
- Intelligent speaker circuit overload protection
- Installer's system test button
- Diagnostic meters (speaker load and signal level)
- Supervised microphone input
- Auxiliary audio input
- Common alarm and trouble relays
- Optional pre-alert signal
- Optional internal power supply

# Specifications

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

## Power Supply

External AC Power	120 V <sub>AC</sub> , 60 Hz; 2 A
External DC Power	20.4 – 26.4 V <sub>DC</sub> regulated
50 Watt load	2.75 A max at 24 V <sub>DC</sub>
Standby	0.21 A
Battery Saver	80 mA

## Alarm Activation Inputs

Primary	1, 4-position, Class A, reverse polarity (NAC); activates fire alarm message and tone; 10 – 30 V <sub>DC</sub> , 2 mA max.
Secondary	1, 2-position, reverse polarity, end of NAC or last circuit device; 10 – 30 V <sub>DC</sub> , 5 mA max.

## Auxiliary Message Inputs

2, normally-open (N.O.) dry contact; 5 mA max.; supervised; activate non-fire auxiliary message and tone

## Gnd Fault Impedance

65 KOhm

## AC/Power Supply Fault

activation causes system to enter battery saver mode

## Auxiliary Audio Input

interface to telephone and paging systems; non-fire use only

## Input Level

1 V<sub>RMS</sub> max

## Impedance

10 KOhm

## Microphone Input

supervised, internal microphone; overrides pre-recorded messages when paging during alarm

## Audio Outputs

Output Power 25 Watts (VECP25), 50 Watt (VECP50) total (sinusoidal, RMS)

Voltage 25 or 70.7 V<sub>RMS</sub>, field selectable

Speaker Circuits 4, Class A (style Z) or Class B (style Y)

EOL Resistor 10 KOhm, 1 Watt; power limited

Gnd Fault Impedance 240 KOhm

## Common Relays

Trouble Form-C contacts, 30 V<sub>DC</sub>, 1 A resistive

Alarm Form-C contacts, 30 V, 1 A resistive

## Installation

surface or flush mount; indoor

Dimensions 20" h x 15-3/4" w x 5" d

Enclosure Cut-in Size 18-3/4" h x 14-1/2" w x 4" d

## Temperature Range

32°F to 120°F (0°C to 49°C)

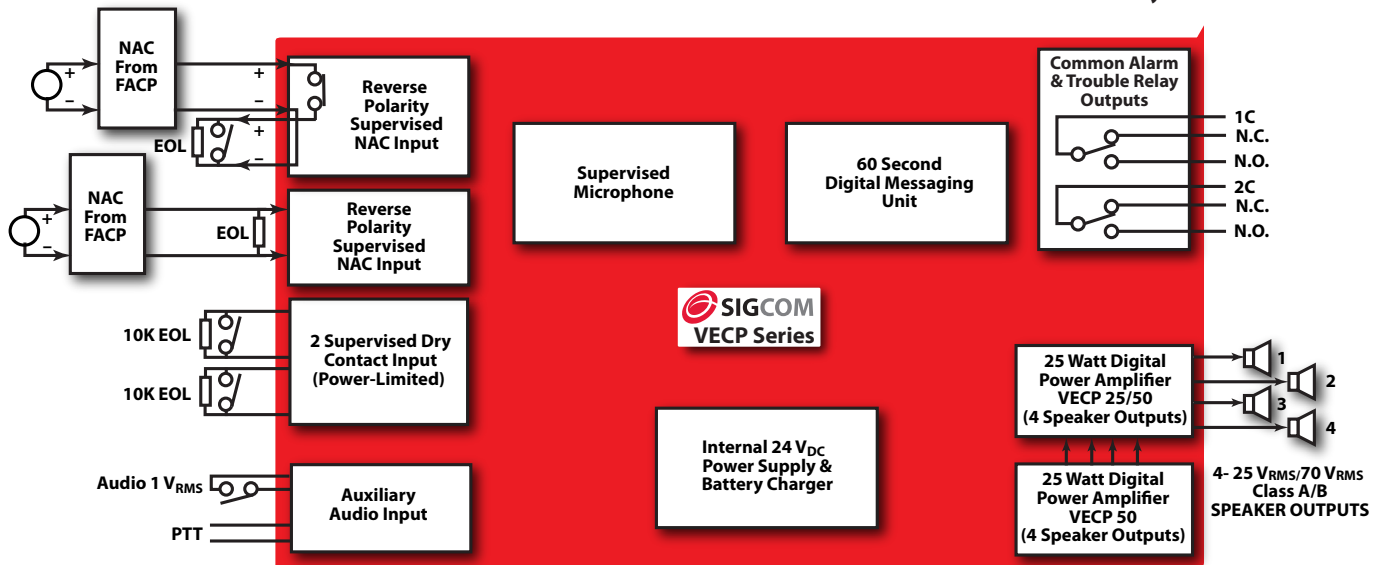
## Humidity

90% maximum, non-condensing;

## Approvals/Listings

UL 864 Control Units for Fire Protective Systems (9th Edition)

UL 1711 Amplifiers for Fire Protective Systems



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