

Description

Sigcom's VECP Series includes the VECP-25 and VECP-50 voice evacuation control panels and the DVS-RM remote microphones. The VECP-25 provides 25 Watts of output power. The VECP-50 provides 50 Watts of output power. Both VECP controls have a built-in digital message unit, UL listed power supply, and a supervised microphone. The digital message unit includes 2 voice messages and 4 field selectable alert tones. VECP control panels provide four Class A or Class B supervised speaker circuits which are configurable for either 25 or 70.7Vrms speaker loop voltage.

Applications

The VECP Series control panels are designed for the upgrade of existing fire alarm systems to add voice evacuation capability without replacing the FACP, as well as for new system. Typical applications include places of assembly such as schools, theatres, places of worship, office buildings, restaurants, and military facilities. In addition, a built-in auxiliary audio input enables VECP Series to interface with existing telephone paging systems increasing the overall functionality of the system.

Operation

VECP Series control panels are extremely easy to add to an existing fire alarm system interfacing directly to any addressable or conventional FACP. Both models have two alarm inputs, one triggered by reverse polarity (NAC output) and one by supervised dry contact trigger. Additional features include a supervised integral microphone plus the option for remote supervised microphone; common alarm and fault relay outputs, an on-board switch for system test, and digital signal meters to display the power and voltage output on the speaker circuits.



Typical Applications

Upgrade Existing Fire Alarm Systems

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

Features

- Connects to any FACP
- High efficiency Class D digital amplifier
- Activated with 24 VDC polarity reversing NAC circuit or dry-contact
- 60 seconds of pre-recorded digital voice message
- 4 alert tones and 2 standard voice messages with field selectable options
- 4 supervised speaker loop outputs (Class A or B)
- Field selectable 25/70 V_{RMS} speaker loops
- Integral supervised microphone
- Remote microphone - supervised
- Dead Front locked Cabinet

VECP-25 / VECP-50 Specifications

Power Supply

AC Power	120 VAC, 60 Hz; 2A
DC Power	20.4 – 26.4 VDC regulated
50 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 polarity (NAC); activates fire alarm message and tone; 10 – 30 VDC, 2 mA max.
Secondary	1, 2-position, reverse polarity, end of NAC or last circuit device; 10 – 30 VDC, 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_{RMS} max

Impedance

10 KOhm

Microphone Input

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

Audio Outputs

Output Power 25 Watts (VECP-25), 50 Watt (VECP-50) total (sinusoidal, RMS)

Voltage 25 or 70.7 V_{RMS}, 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 Vdc, 1 A resistive

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

Installation

Surface or flush mount; indoor

Dimensions

20" h x 15³/₄" w x 5" d

Enclosure Cut-in Size

18³/₄" h x 14¹/₂" w x 4" d

Temperature Range

32°F to 120°F (0°C to 49°C)

Humidity

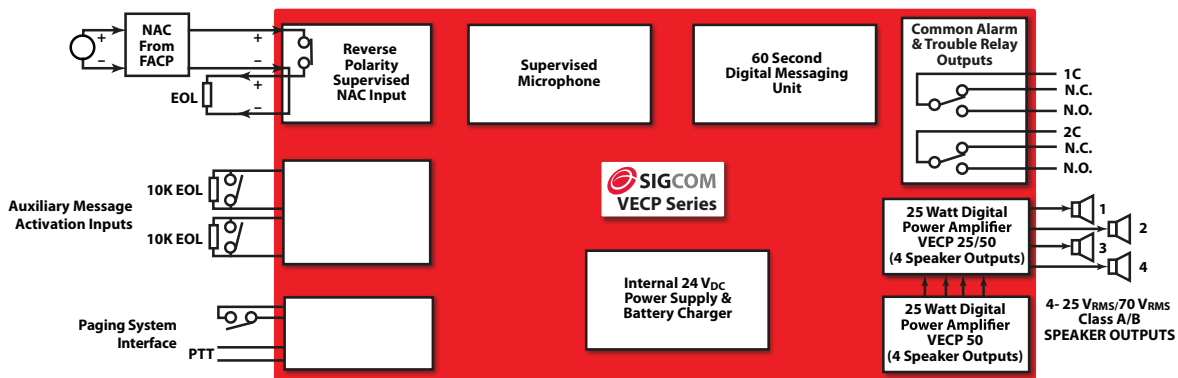
90% maximum, non-condensing;

Approvals/Listings

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

UL 1711 Amplifiers for Fire Protective Systems

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



Ordering Information

Model	Description
VECP-25	Voice Evacuation / Industrial Paging Control Panel - 25 Watts, 4 Speaker Circuits w/ Digital Message, Microphone and Power Supply
VECP-50	Voice Evacuation / Industrial Paging Control Panel - 50 Watts, 4 Speaker Circuits w/ Digital Message, Microphone and Power Supply
DVS-RM/P	VECP Series Supervised Remote Microphone - 3 Gang Plate Mount
DVS-RM/B	VECP Series Supervised Remote Microphone in surface mount key-locked enclosure



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