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 Vrms 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 KΩhm

**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 Vrms max

**Impedance**: 10 KΩhm

**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 Vrms, field selectable Speaker
- Circuits: 4, Class A (style Z) or Class B (style Y)
- EOL Resistor: 10 KΩhm, 1 Watt; power limited

**Gnd Fault Impedance**: 240 KΩhm

**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 15⅜”w x 5”d
- Enclosure Cut-in Size: 18⅜”h x 14⅞”w x 4⅝”d

**Temperature Range**: 32°F to 120°F (0°C to 49°C)

**Humidity**: 90% maximum, non-condensing;

**Approvals/Listings**
- UL 1711 Amplifiers for Fire Protective Systems

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

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**Ordering Information**

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