

# DVS-25 / DVS-50 Voice Evacuation Control Panel



## Overview

The DVS Series Voice Evacuation Control Panel (VECP) contains a state of the art 25 or 50 watt high efficiency, digital power amplifier for use in life-safety applications. The DVS-25 and the DVS-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 DVS-25 or the DVS-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 DVS 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 DVS 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 & signal level)
- Supervised microphone input
- Auxiliary audio input
- Common alarm and trouble relays
- Optional pre-alert signal
- Optional internal power supply



(pending)

**MEA**

(pending)



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## Specifications

Listings:	UL MEA (pending) CSFM (pending)			
Output power:	25 Watts (DVS-25) 50 Watts (DVS-50)			
Operating Current: @24 VDC	25W load 50W load	<b>Standby</b> 0.21 A 0.21 A	<b>Alarm</b> 1.50 A (max.) 2.75 A (max.)	<b>Battery Saver</b> 0.08 A 0.08 A
Operating Voltage:	24VDC nominal			
Frequency Response:	250-4200 Hz			
Microphone:	Supervised, internal w/ PTT switch			
Digital Message Capacity:	60 seconds			
Message Select Inputs:	Two 24 VDC Polarity Reversing (Inputs A & B) Two Contact Closure (Inputs 1 & 2)			
Speaker Loops:	4 (Class A or B)			
Speaker Loop Output:	25 Watts max each.			
Speaker Loop Voltage:	25 or 70.7 VRMS Field selectable			
Speaker Loop EOLR:	10 k $\Omega$			
Cabinet Dimensions:	15 <sup>3</sup> / <sub>4</sub> " h x 20" w x 5" d			
Cabinet Color:	Red			

## Ordering Information

DVS-25	25 Watt, 4 Speaker Loops w/ Digital Message
DVS-50	50 Watt, 4 Speaker Loops w/ Digital Message
DVS-PS	Internal Power Supply
BATT12V07	Battery (two 7 A/Hr batteries required)



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