

DVS-511-4 Speaker / Amplifier Cluster



Description

The DVS-511 is an Amplified Speaker for use in industrial paging and fire alarm evacuation applications. When mounted in a cluster (4), full 360° of audio sound coverage can be obtained.

The DVS-511-4 Speaker / Amplifier Cluster is powered by a polarity protected 24 VDC input, and accepts a 25 VRMS (70 VRMS optional) audio input.

The DVS-511-4 Speaker / Amplifier Cluster can be fastened to, or hung from, any ceiling using conduit or chains. Once installed the DVS-511-4 provides a clear path for audio, and if required visual signaling of a protected area. Area of coverage for a DVS-511-4 depends greatly upon installation conditions, but 20,000 to over 100,000 square feet per cluster are certainly possible.

Operation

The DVS-511-4 Speaker / Amplifier Cluster is typically used to provide high audio level in harsh environments with high ambient noise levels, without the need for running high power audio lines great distances.

By incorporating Signal Communications optional DVA-5495, 6 Amp NAC Expander at each cluster, a single supervised service drop can provide complete power for a fully loaded DVS-511-4 and optional strobe, providing cost effective solutions for industrial paging and fire alarm evacuation applications. The DVA-5495 can be switched on during an emergency, providing signaling as needed, but drawing minimum current when not in use, thereby minimizing battery backup requirements.

Utilizing the DVS-511-4-177 or DVS-511-4-518 (760) Speaker / Amplifier Cluster with integral Strobe allows installations to be protected by a single source providing both emergency visual and signaling notification.

Access for field wiring is simplified via the assembly's hinged front cover.

Features

- 108 dBA @ 10 ft. (all directions)
- True 360° Dispersion
- Up to 100,000 sq. ft. Coverage
- No Bulky Head-End Amplifiers
- Clear Audio Reproduction
- High Level Input
25 VRMS (70 VRMS opt.)
- Input Polarity Protected
- Low Audio Line Load



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Specifications

DVS-511-4

DVS-511:	UL Listed for Fire, CSFM
Voltage:	24 VDC
Current	
Alarm:	2.80 Amp
Standby:	0.16 Amp
Polarity Reversed:	0.00 Amp
Signal Input:	25 VRMS (70 VRMS optional)
Audio Line Load:	.26 W (25 VRMS), .70 W (70 VRMS)
Output:	15 Watt - 108 dBA @ 10 ft., (UL - 102 dBA) (all directions)
Signal Frequency:	800 to 2800 Hz
Input Impedance:	10K Ohms per Speaker
Speaker Housing:	Cast Aluminum Alloy
Speakers:	Spun Aluminum Reentrant Horn
Cabinet:	Steel, NEMA-1 (hinged cover)
Size:	12"x14"x8"
Overall Cluster	
Size:	32"x34"x8"
Weight:	39 lbs
Temperature:	32° to 120°F
Humidity:	30% to 85% RH



DVS-511-4-177

Same as DVS-511-4, with the addition of:

DVA-SLH:	177cd Strobe (UL Listed for Fire)
Voltage:	24 VDC
Alarm Current:	0.50 Amp

DVS-511-4-518 (760)

Same as DVS-511-4, with the addition of:

DVA-IS3 (DVA-ISB):	518cd (760cd) Strobe (UL Listed for Industrial Signaling)
Voltage:	24 VDC
Alarm Current:	1.00 Amp (1.75 Amp)



Ordering Information

Model	Description
DVS-511-4	Speaker / Amplifier Cluster
DVS-511-4-177	Speaker / Amplifier Cluster with 177cd Fire Alarm Ceiling Strobe
DVS-511-4-518(760)	Speaker / Amplifier Cluster with 518cd (760cd) Industrial Super-Strobe

* 70 VRMS Optional - consult factory for details



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