

AU-610-VCS Series Explosion-Proof Amplified Speakers



Description

The Signal Communications AU-610-VCS Series Explosion-Proof Amplified Speakers are high performance, ruggedly constructed amplified speakers capable of producing high intelligibility voice and signal reproduction. Designed for hazardous and corrosive environment signaling the AU-610-VCS Series has unlimited application capabilities.

The AU-610-VCS Series are designed with explosion-proof die-cast aluminum housings with machined surfaces for cooling.

The speaker cone and projector provide either wide dispersion (heavy fiberglass flare) or circular (spun aluminum round) sound patterns depending upon the area of coverage required.

Operation

Audio input to the AU-610-VCS Series is taken directly from a supervised speaker circuit operating at 25 VRMS or 70 VRMS. Input load on the speaker circuit amplifier is a mere 0.064 Watts. With such a low wattage load many AU-610-VCS Series Explosion-Proof Amplified Speakers can be accommodated on a single (common) speaker circuit loop.

Features

- Comply with NFPA 72 & 101
- Adjustable 0 to 15 Watt Output
- Up to 110 dBA @ 10 ft
- 25 or 70 VRMS
- Low Speaker Circuit Loading (0.064 Watts)
- Explosion Hazard Classifications
Class I Groups B, C and D
Class I Groups C and D



Signal Communications Corporation

Specifications

Listings

AU-6x1-VCS: UL Listed for Fire Alarm Service

AU-6x2-VCS, -6x3-VCS: UL Listed for General Signaling

Electrical

Output: Adjustable 0-15 Watts, Up to 110 dBA @ 10 ft.

Input	Voltage	Alarm Current	Standby Current
-------	---------	---------------	-----------------

AU-611, -621, -631, -641:	24 VDC	0.9 A (DC)	0.08 A (DC)
---------------------------	--------	------------	-------------

AU-612, -622, -632, -642:	120 VAC	0.3 A (AC)	0.04 A (AC)
---------------------------	---------	------------	-------------

AU-613, -623, -633, -643:	240 VAC	0.15 A (AC)	0.02 A (AC)
---------------------------	---------	-------------	-------------

Signal: 25 VRMS (70 opt.)

Frequency: 300 to 3,000 Hz

Impedance: 10K Ohms

Mechanical

Housing: Cast Aluminum Explosion-Proof
Machine Surfaces for Cooling

Projector

Cobra-Flare Wide Angle: Fiberglass (120° x 60° sound dispersion pattern)

16" Dia. Circular Bell: Spun Aluminum Reentrant Horn (95° sound dispersion pattern)

Finish: Baked Grey Epoxy

Temperature: 32° to 158°F (0 to 70°C)

Wiring: Wire Leads, Factory-Sealed

Ordering Information

AU-6xx-VCS Series

Model #	24 VDC	120 VAC	240 VAC	Class 1 Group C, D	Class 1 Group B	Flare	Round
AU-611-VCS	√			√	√	√	
AU-612-VCS		√		√	√	√	
AU-613-VCS			√	√	√	√	
AU-621-VCS	√			√		√	
AU-622-VCS		√		√		√	
AU-623-VCS			√	√		√	
AU-631-VCS	√			√	√		√
AU-632-VCS		√		√	√		√
AU-633-VCS			√	√	√		√
AU-641-VCS	√			√			√
AU-642-VCS		√		√			√
AU-643-VCS			√	√			√



Signal Communications Corporation