

# Technical Specifications

## V-9010-W Vandal-Resistant Ceiling Speaker

- Paging, emergency alerts and tones
- One-way paging
- Quick and easy installation
- High quality audio
- White steel
- Tamper-resistant screws
- Steel security screen prevents objects from penetrating speaker
- Indoor use only



*Self-amplified one-way surface mount*

### Description:

The V-9010-W Vandal-Resistant Ceiling Speaker is designed to be used in areas that are vulnerable to vandalism or other harsh conditions. The V-9010-W speaker assembly is designed with a steel housing, a built-in amplifier, an interior security screen with tamper-resistant screws for additional protection. The V-9010-W has a smooth, tapered exterior that prohibits grasping onto the surface. It is a surface mount design that is ideal for concrete ceilings or any environment where vandalism or damage may occur.

## SPECIFICATIONS

### SPEAKER ELEMENT

Cone Diameter: 5.10in (12.95cm)  
Voice Coil Impedance: 45 Ohms

### INPUT

Impedance: > 600 Ohms nominal  
Signal Level: -10 dBm line level

### OUTPUT

Rating: > 95 dB @ 4ft

### POWER REQUIREMENTS

50 mA @ -24 Vdc

### FREQUENCY RESPONSE

200 Hz to 8 kHz

### MAGNET

Magnet weight: 10oz  
Magnet material: ceramic

### ENVIRONMENT

Temperature: -4 to +131°F (-20 to +55°C)  
Humidity: 0 to 95% non-condensing

### HOUSING AND FINISH

Steel housing finished with white epoxy powder. Includes tamper-resistant screws and steel security screen to prevent objects from penetrating speaker.

### MOUNTING

Mounts to standard 4-inch square or octagon shaped electrical box or may be fastened directly to wall or ceiling.

### DIMENSIONS AND WEIGHT

8.50in Dia x 5.10in D  
(21.59cm x 12.95cm)  
Weight: 4.80lbs (2.18kg)  
Shipping Weight: 8.00lbs (3.60kg)

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## ARCHITECTS AND ENGINEERS

The Vandal-Resistant Amplified Speaker, model V-9010-W, shall include a speaker, amplifier, volume control and steel housing. The V-9010-W speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 200 Hz to 8 kHz.

The V-9010-W Vandal-Resistant Amplified Speaker element shall be cone type with 10oz (284g) ceramic magnet. Diameter of speaker cone shall be 5.10in (12.95cm). Voice coil impedance shall be 45 Ohms.

The V-9010-W Vandal-Resistant Amplified Speaker amplifier shall have a frequency response of 200 Hz to 8 kHz. Rated output shall

be 1 watt. The amplifier shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 50 mA at -24 Vdc.

The V-9010-W Vandal-Resistant Amplified Speaker housing shall be constructed of 18-gauge steel with a baked on white powder coat urethane finish. A screen made of 24-gauge steel shall be included to prevent sharp objects from penetrating the speaker. The V-9010-W shall be suitable for indoor applications.

The maximum dimensions shall be: 8.50in Dia x 5.10in D (21.59cm x 12.95cm). Weight shall be approximately: 4.80lbs (2.18kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).