

# VA300 ALERT MONITOR

## Instant Audible Emergency Information

### Expand the reach of your All-Hazard Warning System with the VA300.

When disaster strikes, deliver urgent and critical emergency information directly to:

- Homes ■ Schools ■ Hospitals
- Business / Industrial Facilities
- Government Offices
- Emergency Vehicles

Warning the Public is a two-step process, **Alert** and **Inform**. The VA300 provides an economical manner to expand the reach of your Whelen Warning System. When activated from Whelen's series of DTMF base station controls, the VA300 sounds a piercing alert tone for about 5 seconds, flashes a high intensity LED and enables an audio speaker to monitor radio activity with a commercial grade receiver.

### FEATURES

- Complements a Whelen Emergency All Hazards Warning System
- Simple and Easy to Use CLEAR and TEST Controls
- Receive Only Warning Device Featuring an Alert Tone and Flashing LED
- Follows Whelen's All Hazards Public Warning Activation Command Sequences as well as other DTMF Protocols
- Continuously Monitors Local Public Warning System Radio Frequency, Enabling Instantly in a Real Time Response

- Stand-Alone Desk Top Unit
- Operates on 12vdc, a U.L. Listed Wall Mount Transformer is Supplied for Primary Power.
- Includes an Internal Antenna

Now included is a 1/2 AMP Relay Contact Closure



# VA300 ALERT MONITOR

## Specification Data

### BASIC SYSTEM

**Communication:**

Radio receiver and internal antenna

**DTMF Decoding:**

Whelen 10 digit protocol.  
Other protocols of 3 or more DTMF digits

**Alert Indicator:**

Flashing, high intensity red LED

**Local Controls:**

Clear, Test, LO/HI volume setting

**Weight:**

1.2 lbs. (0.6 Kg)

**Enclosure:**

High Impact Polymer

**Color:**

Driftwood/Black

**Size:**

2.3" (58.4 mm) High x  
8.2" (202.3 mm) Wide x  
4.4" (111.8 mm) Deep

### ELECTRICAL

**Tone Alert:**

Piezo, 3.7Khz. tone

**Input power:**

12VDC nominal. VA-300 is supplied with UL listed wall mount transformer

**Power consumption:**

40ma @12VDC typical,  
225ma maximum

**Operating Temperature:**

0° C to 60° C

**Humidity:**

0-95%, non-condensing

**Relay Contact:**

1/2 @ 120VAC, 1a @ 12VDC

### RECEIVER

**Receive Frequency:**

150-174Mhz, 450-470Mhz  
Contact factory for other frequencies. Contact factory for Narrow Band Requirements

**FCC Rule Parts:**

90,95

**Operating Temperature Range:**

-30° to +60° C

**Receiving System:**

Dual Conversion  
Superheterodyne

**Frequency Stability:**

+/- 10PPM (-30° to +60° C)

**Selectivity:**

-55dB Minimum @ +/-25 Khz

**Intermodulation:**

-65dB Minimum @ +/-25 Khz

**Sensitivity:**

-35  $\mu$ V Minimum @12dB  
SINAD

### ORDERING INFORMATION

**Model VA300H:**

VA300 basic unit with VHF high-band receiver, 150-174Mhz

**Model VA300U:**

VA300 basic unit with UHF receiver, 450-470Mhz  
Contact Factory for Narrow-Band Applications

### OPTIONS

**VA300XC:**

External BNC Antenna Connector only

**VA300ANT:**

Local Chassis Mount Antenna

**WHELEN**<sup>®</sup>  
ENGINEERING COMPANY, INC.  
PUBLIC WARNING PRODUCTS

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