INTRODUCTION
The V-9947A is a Line Powered Loud Ringer/Horn which provides amplified electronic tones for signaling in large or noisy areas. This instruction contains the specifications and information necessary to install, operate and maintain the V-9947A.

SPECIFICATIONS
Design
The V-9947A is a ringer/horn containing circuitry to generate incoming call indication via a warble or single tone when activated by 70-120VAC ring voltage (Ringer Equivalency Number 2.7A).

To plan a system utilizing the V-9947A, refer to the Ringer Distance Chart to determine approximate distances covered. The number given (ft) is the side to side distance for mounting the speakers. It is also the distance in front of the speaker that a good quality signal can be heard.

Application
- PABX station ringer

Features
- Omni-directional mounting bracket.
- Self-contained tone generator, amplifier, volume control and horn speaker.
- Single or warble tone output.
- Activated by 70-120VAC ring voltage.
- Tones continuous for duration of ring cycle.
- Weatherproof.
- Units may be multiplied for simultaneous access.
- Separate power supply not required.

Dimensions/Weight
- 6.5"H x 8.2"W x 10.4"D, plus mounting bracket.
- (16.51cm H x 20.83cm W x 26.42cm D)
- 3.3 lbs. (1.5 kg)

Power Requirements
- 20-30Hz, 35mA maximum.

Environment
- Temperature: -20 to +55°C
- Humidity: 0-95% non-precipitating
INSTALLATION

Lead Connections
Connect the tip (green) and ring (red) leads of the ringer to the PBX Analog station port.

- To produce a warble tone, the black and white leads remain unconnected.
- To produce a single tone, connect the black and white leads to each other (See Figure 3).

The V-9947A is not intended for direct or indirect connection to the public telephone network or any telephone line providing dial tone. When used with a customer premise telephone system such as a key system or PABX system, these units are interfaced to the system via a fully protected page port or system central office port, which is a fully protected interface device. Also, the host system must be configured to disallow central office trunk conferencing in order to prevent indirect connection to the public network.

Connecting Speaker to Base
The speaker may be attached to the base before or after the base is mounted.

- Loosen position adjustment knob.
- Insert the ball of the base into the socket of the speaker.
- Tighten the position adjustment knob.

Mounting
The V-9947A should be mounted 12' to 25' high to obtain optimum results. This ringer may be used for either interior or exterior signaling applications.

- Mount the base to a wall using the two holes provided. Knockout holes are provided for punch out should additional holes be desired.
- A "C" clamp is provided with the ringer to allow mounting to a beam. Place the bolt through the hole in the bottom of the base to secure the "C" clamp to the beam. (See Figure 1). It is suggested that the horn be mounted to the underside of the "I" beam so as to provide the maximum of positioning adjustments.
- Connection to an electrical backbox is accomplished by channeling wire through the ball of the base and making appropriate connections. The base has holes punched for a double-gang square box, but by punching out additional knockout holes, the base can be mounted to a single-gang or octagon box. (See Figure 2).

The V-9947A may be rotated or moved up and down to obtain the desired position by loosening the position adjustment knob at the bottom of the unit (See Figures 1 and 2) approximately 1 turn. Make required adjustment and re-tighten the knob.

TECHNICAL ASSISTANCE
When trouble is reported, verify there are no broken connections between the telephone and the ringer. Ascertain volume control is turned up.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM and a test set available and call from the job site. Call (540) 563-2000 and press 1 for Technical Support or visit our website at www.Valcom.com. Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person, and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair and Return Dept.
5614 Hollins Road
Roanoke, VA 24019-5056
Figure 1 - Mounting to a Beam with a "C" Clamp

Figure 2 - Mounting to an Electrical Backbox
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FIGURE 3

Analog Station Port

V- 9947A

Ti Gree
Ring Red
White Black

-- Connect together to Produce single tone
-- Warble tone is produced when not connected.