



# Product Specification Sheet



APS582

Rev. 2 - 05/2004



VCU309

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply/amplifier(s) shall be Alpha Communications®/S.T.R.™ model VCU309, or approved equal. Amplifier shall operate from a 24VAC (40VA) U.L. Listed transformer (model# T2440). All wiring to power supply/amplifier shall be low-voltage Class II wiring, installed as per all federal, state, and local electrical codes. Power supply/amplifier shall surface mount right to the finished wall and shall be installed in a suitable environment that is free from excessive dirt, dust, temperature, humidity, grease and water. Power supply/amplifier shall provide the intercom amplification and signaling power for proper system operation. For most secure installation, power supply should be installed into a lockable equipment cabinet/housing.

Power supply/amplifier(s) shall be installed a safe distance from any source of electrical interference.

## VCU309 Amplifier/Power Supply

The Alpha Communications®/S.T.R.™ VCU309 amplifier/power supplies are used with the S.T.R.™ 'NoCoax' type video-intercom systems, to provide intercom amplification, power to operate the electric door opener(s) etc., and power to operate the video monitor units.

The VCU309 units each require a 24VAC (40VA) low-voltage Class II transformer for power. Use our model #T2440 (12VAC) plug-in transformer for each VCU309.

These VCU309 amplifier/power supplies are designed to easily surface mount right onto the finished wall by means of customer supplied screws or the convenient plastic 'Din Rail' bracket supplied with each power supply. Connections are positive screw terminal type.

The VCU309 is used for each 30 (or less) 'NoCoax' type video-intercom monitor/handset stations on a system.

### FEATURES

- Easily Installs Right on Finished Wall Surface or in Customer Supplied Housing
- Operates on Safe Low-Voltage Class II Wiring
- Clear Voice Fidelity with Adjustable Voice Volume Control
- Convenient Positive Screw Terminal Connections
- Provides all Power Requirements for up to 30 'NoCoax' Video-Intercom Monitors

### SPECIFICATIONS

**Dimensions:** Height: 2.375" (60mm)  
Width: 4.25" (108mm)  
Depth: 4.75" (120mm)  
from mounting surface

**Volume Control:** Adjustable potentiometer built-in.

**Connections:** Positive Screw Terminal Connectors.

### WIRING REQUIREMENTS

Basic video-intercom riser wiring shall be 4-common #22AWG and 1 selective wire #22AWG, for each video monitor station connected to the riser cable. Add one (or more) additional common and/or selective wires for any optional functions required, or for 'spare' wires. See system wiring manual for more complete wiring information.

### OPTIONAL COMPONENTS

- DO-001A** 16VAC Door Strike
- PK407A** Specialty Door Opener Relay Adaptor
- VBV-4** 4-Output 'NoCoax' Video Distributor

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*