



Product Specification Sheet



APS184

Rev. 3 - 02/2007



VCU6 (rev. 2 shown)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The power supply/amplifier shall be Alpha Communications®/S.T.R.™ model VCU6, or approved equal. Amplifier shall operate from a 16VAC (40VA) and 12VAC (20VA) U.L. Listed transformer (SS146 and T1240 respectively). 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 shall be installed a safe distance from any source of electrical interference.

VCU6 Amplifier/Power Supply

The Alpha Communications®/S.T.R.™ VCU6 amplifier/power supplies are used with the S.T.R.™ 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 VCU6 units each require a 16VAC (40VA) and 12VAC (20VA) low-voltage Class II transformer for power. Use our model #SS146 (16VAC) plug-in transformer and our model #T1240 (12VAC) plug-in transformer for each VCU6.

These VCU6 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 VCU6 is used for each 30 (or less) 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 Video-intercom Monitors

SPECIFICATIONS

- Dimensions:** Height: 3.75" (96mm)
Width: 4.25" (108mm)
Depth: 2.375" (61mm)
from mounting surface
- Volume Control:** Adjustable potentiometer built-in.
- Connections:** Positive Screw Terminal Connectors.

WIRING REQUIREMENTS

Basic VH30AK and/or VH30CAK video-intercom riser wiring shall be 4-common #22AWG, 2-common #18AWG, 1-RG59/U (all copper minimum 95% braid) coaxial cable common and 1 selective wire #22AWG, for each video monitor station connected to the riser cable. Add one (or more) additional common wires if the 'Dot' button on the handset will be used (or any additional options). See system wiring diagram(s) for more complete wiring information.

OPTIONAL COMPONENTS

- DO-001** 12VAC Door Strike (or equivalent)
- DPS-2** Multi Entrance Video Adaptor
- TU1007A** Multi Entrance Audio Adaptor
- PK407A** Specialty Door Opener Relay Adaptor

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