



VCU7 Video-Intercom Power Supply (VMH25 / VH30 Series)



Architects' And Engineers' Specifications

The power supply unit(s) shall be Alpha Communications® / S.T.R.™ model **VCU7**, or approved equal. Power supply shall operate from a 12 to 16VAC (40VA) U.L. Listed transformer (model **T1640**).

All wiring to power supply shall be low-voltage Class II wiring, installed as per all federal, state, and local electrical codes. Power supply 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 shall provide the video monitor power and control functions, for proper system operation. For most secure installation, power supply should be installed into a lockable equipment cabinet/housing.

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

VCU7 Power Supply

The Alpha Communications® / S.T.R.™ **VCU7** power supplies are used with the S.T.R.™ video-intercom systems, to provide to operate the video monitor units.

The **VCU7** units each require a 12 to 16VAC (40VA) low-voltage Class II transformer for power. Use our model #**T1640** (16VAC) plug-in transformer for each **VCU7**.

These **VCU7** power supplies are designed to easily surface mount right onto the finished wall by means of the convenient plastic 'Din Rail' bracket supplied with each power supply. Connections are positive screw terminal type.

The **VCU7** is used for each 30 (or less) video-intercom monitor stations on a system. Each system also requires the intercom amplifier unit (model **NH200A** or **NH208TVU** or equivalent) for calling, intercom and door release functions and signaling.

Features

- Easily Installs Right on Finished Wall Surface or in Customer Supplied Housing
- Operates on Safe Low-Voltage Class II Wiring
- Convenient Positive Screw Terminal Connections
- Provides all Power Requirements for up to 30 Video-intercom Monitors

Specifications

Dimensions:	Height: 2.375" (60mm) Width: 4.25" (108mm) Depth: 4.75" (120mm) from mounting surface
Connections:	Positive Screw Terminal Connectors.

Wiring Requirements

Basic 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 'Red Dot' button on the handset will be used (or any additional buttons such as those on the **HT2006** series handsets). See system wiring diagram for more complete wiring information.

Optional Components

- **DPS-2** Multi Entrance Video Adapter
- **TU1007A** Multi Entrance Audio Adapter
- **PK407A** Specialty Door Opener Relay Adapter

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