



## System Control Units (Visual only)

### HTN7616UA / HTN7617UA - 32& 64 Station, 1 Console

#### Description

The System Control Units (models HTN7616UA and HTN7617UA), each consisting of power supplies and a processor module in a wall-mounted equipment cabinet, comprise the heart of the microprocessor-based Visual Call System and provide the DC power and main control for the other devices. All field-installed corridor cables associated with the system originate in the Control Unit. One or two 24 VDC power supplies (depending on the external loading requirements) deliver power to the system dome lights. A single 12 VDC power supply is used to power the remaining control circuits and wall stations in the system. The Control Unit supports one or two 32-Patient Station channels, up to three Annunciator panels and an RS-232 port used for the system Configuration Terminal (a standard video terminal device).

#### Features

- 32 or 64 Patient Station address capability in one or multi-zone configuration
- Four 32-LED Annunciator panels available for individual call display
- Field programmable configuration (Room map, zoning, output select, etc.)
- Configuration data retention on power loss
- Continuous software supervision of addressable devices: Patient Stations, Duty Stations, Annunciator Panels (loss of polling response from device results in a system fault indication at Annunciator panel)
- Self-test mode; automatic fault detection and display; auto RESET on program failure; system integrity test
- Quick disconnect, screw-type field wiring terminals
- Flush or surface mounted cabinet

#### Model Identification

HTN7616UA Control Unit, 32 Station  
HTN7617UA Control Unit, 64 Station  
HDN6101UA Cabinet  
HDN6102UA Hinged Door with lock, Flush Mount  
HDN6103UA Hinged Door with lock, Surface Mount



#### Technical Data

Input Power: 115/230 VAC, 50-60 Hz, 600 Watts maximum, on emergency feeder, if available.  
Output Power: 24 VDC (Dome light circuits), 12 VDC (Control circuits)  
Cabinet Dimensions: 18 ½" High X 21 ½" Wide X 4" Deep





## Architect's Specifications

The Control Unit shall be a wall-mounted control panel, model HTN7616UA (32 sta) or HTN7617UA (64 sta). The panel shall be mounted in an electrical equipment cabinet, model HDN6101UA, constructed of 14 gauge steel, and equipped with one of two types of lockable hinged doors (flush: HDN6102UA or surface: HDN6103UA).

The cabinet shall be designed for flush or surface mounting, and be equipped with a cutout for a standard duplex receptacle, for plugging in the power supply line cords inside the cabinet.

The Control Unit shall provide the power and control voltages and the field termination points required to install and operate the Visual Call System. The Control Unit shall include the capability of using a standard video terminal device to enter custom room map and zoning parameters. The configuration data shall remain intact even with loss of AC power.

The Control Unit shall be equipped with a separate Common Equipment Ground terminal, clearly identified as such, to be used by the installer to terminate all designated Equipment Grounding conductors (GRN).

## Power Supplies

The Control Unit power supplies shall be all solid state and provide 24 VDC for dome light power, and 12 VDC for the control and logic circuits in the system. Each power supply shall be adequately protected by a replaceable AC fuse.

## Processor Module

The Processor Module shall include the microprocessor, memory and associated logic circuits, plus the termination points for all of the corridor cables in the Call System. Termination points shall consist of screw-clamp type terminals on pluggable connectors.

The micro-logic circuits shall continuously monitor addressable stations and report any system faults to the annunciator panels. In addition, the Processor Module shall include a built-in system test program to verify station and dome light operation.

