



## System Control Unit (Visual only)

**HTN7680UA - 128 Addressable Stations, 4 Annunciators, No Audio**

### Description

The Special System Control Unit is designed with Assisted Living facilities in mind. It contains a Processor Module which will accommodate up to 128 addressable stations, and Power Supplies. Four Annunciator Panels, multiple consoles, swing room capability, remote diagnostics, and interfaces to printer and radio page systems are just a few of the innovations that comprise the feature-packed product. With this Special Control Unit, nurse consoles may be used as an easy method of entering pocket paging assignments. Wall mounted in a steel cabinet, the Control Unit contains the field connection points for terminating the power, control, and data cables from the Staff Consoles, Annunciator Panels, Patient Stations and other input/output devices installed in the system.

### Features

- Up to four Independent Staff Consoles
- 128 Station address capability
- Up to 32 Duty Stations
- Control Unit will accommodate up to four 32-LED Annunciator Panels with diagnostic displays
- Four polling zones
- Call forwarding from one Staff Console to another
- Flash-based room map programmable from Staff Console or Configuration terminal
- Self-test mode: automatic fault detection and display; system integrity test
- Continuous software supervision of addressable devices
- Quick-disconnect screw-type field wiring terminals designed for simple installation and maintenance
- Central Data Base Interface

### Model Identification

HTN7680UA	Control Unit (128 Stations, 4 Consoles, 4 Annunciators, 4 zones)
HDN7681UA	Cabinet (24"W x 36"H x 4"D)
HDN7682UA	Hinged Door, Flush Mount
HDN7683UA	Hinged Door, Surface Mount

### Technical Data

Input Power:	115/230 VAC, 60Hz
Output Power:	24VDC (Dome Light Circuits) 12 VDC (Control Circuits)
Operating Temp:	0-50 degrees C





## Architect's Specifications

The Control Unit shall be a wall-mounted control panel, model HTN7680UA (128 station). The panel shall be mounted in an electrical equipment cabinet, model HDN7681UA, 24"Wx36"Hx4"D, constructed of 14 gauge steel, and equipped with one of two types of lockable doors (flush: HDN7682UA or surface: HDN7683UA). The cabinet shall 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 supply power and control voltages and the field termination points required to install and operate the Staff Call System. The Control Unit shall include a serial data used to communicate from one Console to another, monitor system status, activate selected options, change room map parameters, perform system diagnostics, etc. The RS-232 serial data port for interface to a radio paging system, a modem, or to a standard video terminal device, used to change room map parameters and perform system diagnostics. 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 (wire color: GREEN or GREEN w/YELLOW stripe).

## Power Supplies

The Control Unit power supplies shall be all solid state and proved 24 VDC for dome light power and 12 VDC for control and logic circuits in the system. Each power supply shall be adequately protected from overload and short circuits.

## 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 or screw terminals.

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

