



# NC351A and NC351A/2 Central Equipment Specification Sheet

IL696  
Section E  
Rev. 9 - 08/2010



**NC351A/2 Central Equipment**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The nurse call central equipment shall be TekTone®'s NC351A or NC351A/2 or approved equal. The central equipment and associated wiring to master control stations and patient/staff stations shall be supervised. The central equipment shall include all necessary microprocessor multiplex-based circuitry to operate all Tek-CARE® NC300II system functions. It shall also support up to 4 (with NC351A) or 8 (with NC351A/2) nurses' master stations, plus 256 (with NC351A) or 512 (with NC351A/2) patient/staff stations, all associated lamp and other emergency and presence devices, and 2 isolated serial ports. The central equipment shall also provide the necessary firmware to operate all Tek-CARE® NC300II System functions.

The central equipment shall include one central buss board, one or two master interface cards, one microprocessor/serial card, one or two station interface cards, all call/multiplex card, multiple output power supply, and firmware operating system.

The central equipment will be housed in a durable metal enclosure with provisions for plug-in field wiring connections.

The NC351A and NC351A/2 shall be UL® 1069 Listed.

## FEATURES

A major component of the Tek-CARE® NC300II Nurse Call System, the NC351A and NC351A/2 supply the central point for system component integration. The NC351A supports up to 4 master consoles and 256 station addresses, while the NC351A/2 supports up to 8 master consoles and 512 station addresses. The NC351A and NC351A/2 house the necessary firmware to operate all the Tek-CARE® NC300II system functions. From a single durable metal enclosure, the central equipment supports 2 isolated serial ports, field station ports, master console ports, and power requirements for up to 256 patient, staff and duty stations (512 with external PK305 Supply).

- UL® 1069 Listed
- 2 isolated serial ports
- Plug-in connections with multiplexed common wiring
- Self-contained electronics and power supply
- 12 or 24-hour time display
- Modular construction—easily expandable

## SPECIFICATIONS

Dimensions:	15.25" × 13" × 6.25" (387 mm × 330 mm × 159 mm)
Capacity:	up to 4 (NC351A) or 8 (NC351A/2) masters, up to 256 (NC351A) or 512 (NC351A/2) stations
Power Input:	115 VAC, 60Hz, 140W
Environments:	26°C, relative humidity maximum 80%
Terminations:	Plug-on connectors
System Supervision:	Continuous polling of all stations. Stations or wiring faults displayed at masters.
System Protection:	All outputs are protected by self-resetting current-limiting devices.
Audio:	Up to 4 (NC351A) or 8 (NC351A/2) audio paths provided. Amplifiers rated at 20 watts. Overload and short circuit protection included.

## REQUIRED COMPONENTS

Tek-CARE® NC300II      Nurse Call System

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**TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)**