

NC300 II CENTRAL EQUIPMENT

APPLICATION

A major component of the Tek-CARE® NC300II Nurse Call System, the NC351A (NC-351A) and NC351A/2 (NC-351A/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).

FEATURES

- 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 selfresetting 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



NC-351A/2
CENTRAL EQUIPMENT

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The nurse call central equipment shall be TekTone®'s NC351A or NC351A/2 or approved equal as supplied by LEE DAN®. 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.