DIRECT SELECT MASTER STATION

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The nurses' master station shall be TekTone® NC306 (NC-306) or approved equal as supplied by *LEE DAN®*. The master station shall include the necessary signaling circuitry and firmware to receive and answer calls from all patient, staff and duty stations, and to receive calls from code and emergency stations on the Tek-CARE® NC300II system through direct selection of system stations on the master's membrane switch. The master station interconnection shall be supervised.

The master station shall provide for handset or loudspeaker communi-cation with patients and staff. Function buttons shall be provided to initiate reset operation, staff emergency request, nurse request, audio paging and nurse-follower operations. Individual LED indicators shall be provided for each room handled by the master station and shall be individually selectable by staff members. A serial port shall be available for programming and firmware updates.

The user shall be able to access system programming via the keys on the master station and via the serial port, which will function with standard terminal emulation software running on a PC or laptop computer.

The master station shall be equipped with an integral handset, volume control, color-keyed function switches, talk/busy LED, call priority level LEDs, 2.5" speaker and condenser microphone. The master station shall also include a 50-button digital keypad for direct selection of stations, zone and station assignments. All switches shall be of spillresistant membrane switch design. Adding an NC255 master expander shall provide an additional 50 station-selector buttons.

Each master station shall be able to address up to 50 single or dual stations per system (100 when used with NC255 master expander), and up to 16 individual zones. The NC351(A) and NC351(A)/2 central equipment can each power a maximum of 4 NC306 masters, or 3 NC306 masters with NC255 master station expanders. Any remaining system ports can be filled with NC304 and NC304LCD stations, if desired.

The master station shall be UL® 1069 listed.

The station housing shall be high-impact, flame-retardant (UL® 94V-0) plastic and shall be desk mounted.

**NC-306
Master Station**

APPLICATION

A major component of the Tek-CARE® NC300II system, the NC306 (NC-306) master station provides the user interface to respond to calls, issue staff requests and alter room programming status to accommodate differing patient needs.

The master station allows for room and staff communi-cation by open speaker, or by handset for additional privacy. Master function buttons are provided to select system functions, as follows:

SPECIFICATIONS

Dimensions:	10.75" × 8.75" × 3.25" (273 mm × 222 mm × 83 mm)
Capacity:	Addresses up to 50 single or dual patient stations (or 100 stations when used with NC255 expansion keypad) in up to 16 zones
Environments:	26ºC, relative humidity maximu 80%
Terminations:	Plug-on connectors
System Protection:	All outputs are protected by self resetting current-limiting devices
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.

FEATURES

A major component of the Tek-CARE® NC300II system, the NC306 (NC-306) master station provides the user interface to respond to calls, issue staff requests and alter room programming status to accommodate differing patient needs. The master station allows for room and staff communication by open speaker, or by handset for additional privacy.

Master function buttons are provided to select system functions, as follows:

RESET	(black)	Terminates most operations.
STAFF	(green)	Enters a nurse service request or shows locations of staff presence if SF250 or SF350B (nurse only) staff presence stations are installed. Issues a STAT request when pressed twice rapidly.
PRIORITY	(yellow)	Toggles through programmable bed station priorities.
PAGE	(violet)	Initiates paging operations.
FOLLOW	(orange)	Initiates nurse-follower operations.
TALK	(white)	Press to speak, release to listen when using loudspeaker for communications.
ZONE	(blue)	Allows zone assignment.
PRIVACY	(red)	Sets Privacy on or off

Note: In programming modes, these keys are also used for various programming functions.

Additional programmable functions include set station priority, set privacy, zone assignments, view station configurations, set system time, set system date, paging, system configuration, and system reinitialization.

The master station is also equipped with a volume control that adjusts the incoming voice communication, beep switch that controls the short tone signal heard when the keypad is in use, call lights that indicate low, medium and high priority calls, selected zones and stations, and for selected menu functions.

The master stations also provide a serial port for programming and firmware updates. The system programming is accessible to the user via the keys on the master station.

The NC351A and NC351A/2 central equipment can each power a maximum of 4 NC306 masters, or 3 NC306 masters with NC255 master station expanders. Any remaining system ports can be filled with NC304 and NC304LCD stations, if desired.

NC-306
Master Station

- UL® 1069 Listed
- Supervised
- Microprocessor technology
- Serial port
- Spill-resistant membrane switch
- Direct selection of stations through dedicated buttons
- Individual LED call indicators for each room
- Electrostatic microphone
- Clear, distinct voice communications
- Master-to-master intercom capability
- Single-button or handset intercom
- Displays call priority and origin
- Programmable patient priority and privacy
- View station configuration capability
- Initiate **STAT** staff emergency request
- Cord-out indication
- Upgrade patient call
- Distinct tones for high, medium and low priority calls
- Twelve call priority levels
- Nurse follower function
- Paging by zone or to staff
- Overhead paging interface
- Simplified multiplex wiring uses plug-in connectors
- Locate and dispatch nurses or aides
- Displays nurse locations and nurse required
- Keypad for initiating calls
- Reset presence stations

REQUIRED COMPONENTS

Tek-CARE® NC300II Nurse Call System