



NC305LCD NC300II Series Master Station



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The nurses' master station(s) shall be Alpha Communications®/TekTone NC305LCD or approved equal. The master station shall include the necessary signaling circuitry and firmware to receive and answer calls from all patient, staff, and duty stations; and receive calls from code and emergency stations on the NC300II System. The master station wiring shall be supervised.

The master station shall provide for handset or loudspeaker communication with patients and staff. Function buttons (with and without LEDs) shall be provided to initiate talk, reset operation, staff emergency request, nurse/aide request, paging operations, and nurse-follower operations. Additional buttons for menu-driven programmable functions shall include monitor, capture and room priority programming.

The NC305LCD master station shall also provide an integrated backlit color LCD VGA Display with 10.4" viewing area to display call activity and menu selections. A fully isolated serial port shall be available for connection to ancillary devices.

The user shall be able to access system programming via keys on membrane keypad or a keyboard connected to a USB port on the master station. The master station shall be equipped with an integral handset, volume up and down control, color-keyed function buttons, tone-off button, call LED, busy LED, CE fault LED, 2.5" speaker, and electrostatic microphone. The master station shall also include a 12-button digital keypad for entry of station numbers, zone and station assignments; and for selection of menu functions. All buttons shall also switch to alpha-character operation by depressing the switch marked **ALPHA**. Alpha-character operation shall allow for alphanumeric room numbering, room labeling, and calling of rooms so designated.

All switches shall be of spill-resistant membrane switch design. The station housing shall be high-impact, flameretardant (UL® 94V-0) plastic and shall be desk mounted. The master station shall be UL® 1069 listed.

Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.

NC305LCD FEATURES

A major component of the NC300II System, the NC305LCD master station supplies the user interface to respond to calls, issue staff requests and alter room programming status to accommodate differing patient needs. The master console allows for room and staff communication by either open speaker or handset for additional privacy. It includes an integrated backlit color LCD VGA display with 10.4" viewing area to display up to 20 active patient, staff or duty calls, plus columns for two levels of staff presence and STAT priority calls in English language format. Master function buttons are provided to select the system functions as follows:

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|-----------------|----------|--|
| RESET | (black) | Terminates most operations. |
| AIDE | (yellow) | Enters an aide service request. |
| NURSE | (green) | Enters a nurse service request. |
| STAT | (red) | Enters an urgent staff emergency request. |
| MENU | (blue) | Displays functions menu for programming additional features. |
| PAGE | (gray) | Initiates paging operations. |
| FOLLOW | (orange) | Initiates nurse-follower operations. |
| TALK | (white) | Press to speak, press again to listen when using loudspeaker for communications. |
| ALPHA | (white) | Changes all function keys to the specifically labeled alpha characters. |
| MONITOR | (blue) | Enables room monitoring. |
| CAPTURE | (blue) | Allows for zone assignment. |
| VIEW | (blue) | Allows review of station information. |
| PRIORITY | (blue) | Activates menu for changing room priority. |
| TONE ON | (white) | Turns normal call-tone on/off. |
| + | (white) | Adjusts volume up |
| - | (white) | Adjusts volume down |
| > | (white) | Space |
| < | (white) | Backspace |

Additional programmable functions include: set station priority, set privacy, zone assignments, view station configurations, set password, reset time of day, time display, set overtime, transfer for master stations, paging, system configuration, and system re-initialization.

The master station is equipped with volume control for adjustment of incoming voice communication; tone on/off switch for controlling the lowest priority tone signal only; call light with indication of low, medium and high priority calls; CE fault LED; busy and alphanumeric keypad used for entry of station numbers, zone and station selection, and for selection of menu functions.

The master station also provides a serial port for connection to ancillary devices. System programming is accessible to the user via the keys on the master station or via the keyboard port which accepts any standard USB keyboard.

- UL® 1069 Listed
- Supervised
- Serial & Keyboard ports
- Spill-proof membrane switch with alphabetic characters
- Easy access to commonly used menu functions
- Simultaneous display of 20 calls
- Electrostatic microphone for clear voice communications
- Simple, menu-driven programmable functions
- Master-to-master intercom capability
- Push-to-Talk button or handset intercom
- Calls displayed by priority and origination
- Calls identified by room and bed number
- Programmable patient priority and privacy
- Calls-waiting, calls-overtime and cord-out indication
- View station configuration capability
- Initiate **STAT** staff emergency request
- Upgrade patient call
- Distinct tones for high, medium and low-priority calls
- Nurse follower function
- Paging by zone or to all staff
- Patient monitor single or group
- Manual tone-silencing switch (for Routine calls only)
- High priority calls override tone-off feature
- Simplified multiplex wiring uses plug-in type connectors
- Continuous display of nurse/aide location and nurse/aide requested
- Use masters in parallel or independently

SPECIFICATIONS

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|-------------------------------------|--|
| <u>Dimensions:</u> | Console: 13.2" × 9" × 5.5" (335mm × 229mm × 140mm) |
| <u>Capacity:</u> | Address up to 512 single or dual patient stations in up to 16 zones |
| <u>Environments:</u> | 26°C, relative humidity should not exceed 80% |
| <u>Terminations:</u> | Plug-on connectors |
| <u>System Protection:</u> | All outputs are protected by self-resetting current-limiting devices |
| <u>Current Requirements:</u> | 0.75A @ 16VAC |

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