

UHF PAGING SYSTEM TRANSMITTER/CONTROL UNIT

APPLICATION

The NC366A/AT (NC-366A/AT) transmits directly to pagers alphanumeric messages and patient call information received via serial interface from any combination of up to three Tek-CARE® NC200, NC150, NC110 Nurse Call, CM800 Emergency Call or Tek-MMARS®II systems, or properly configured PCs. Information is sent to the transmitter at 9600 baud to minimize bottlenecks. Call type and location are determined by the system supplying information to the NC366A. Ten dry contact inputs can be programmed to transmit a specific message in response to a dry contact input.

The NC366AT includes a DTMF board, so any DTMF telephone can use the NC366AT to send a numeric page or any one of up to 50 pre-programmed messages. Up to 9,999 pager IDs can be supported. The system's range depends upon the site and the transmitter's location. To determine the exact coverage, conduct a site survey (contact TekTone® for details). Estimate a range of up to one mile under ideal conditions. The unit includes a ¼-wave BNC-terminated antenna. Other antennas and signal amplification options are available. Battery back-up is also available.



NC-366A/AT

SPECIFICATIONS

Dimensions: Height: 11.875" (309 mm)
(antenna 6.25") (159 mm)
Width: 7.25" (183 mm) Depth: 3.25" (84 mm)

Construction: Electronic components mounted on PCB enclosed in an ABS housing

Connections: Plug-in connections

Housing: Surface mounted

Frequency: 457.550 MHz

RF Power output: 500mW

Voltage: 10–13.8 VDC, Input 115 VAC

Current: 50 mA standby, 300 mA transmit (500 mW)

FCC ID No.: JRNUSADATALINK

BAUD Rate: 9600 serial input, 1200 transmit

REQUIRED COMPONENTS

Tek-CARE®NC200/NC150/NC110 Nurse Call System*
-or- CM800 Emergency Call System*
-or- Tek-MMARS®II NC386B Management System NC397A Pagers
* NC375 Transmitter Interface also required.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

UHF on-site paging system transmitter/control unit shall be a TekTone® NC366A (NC-366A), NC366AT (NC-366AT), or approved equal as supplied by LEE DAN®. It shall support up to three Tek-CARE® NC200, NC150, NC110 Nurse Call Systems or CM800 Emergency Call Systems, or (when used in conjunction with the NC375) TekTone® Tek-MMARS®II Management Systems. The paging information shall be supplied to the unit at 9600 baud and shall be transmitted to the radio pagers at 1200 baud on 457.550 MHz. Information such as call type, location and priority shall be sent to pagers in its entirety.

The NC366AT with a DTMF telephone interface board shall allow for connection to a standard (non-digital) phone system without interfering with its ability to connect to TekTone® systems. Any DTMF phone may then dial into the transmitter and send a numeric page or any one of up to 50 pre-programmed messages stored in the unit. The paging system shall support up to 9,999 pager IDs and have a transmission range of up to one mile under ideal conditions (site survey recommended).

Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.