



NC365B Paging System Transmitter/Control Unit



Architects' And Engineers' Specifications

The on-site paging system transmitter/control unit shall be Alpha Communications® / TekTone NC365B, or approved equal. It shall be specifically configured to receive patient calls from Alpha Communications®'s NC300 (or NC300II) Nurse Call Systems or TC500 Emergency-Call Systems, at a baud rate of 9600. When used in conjunction with any system it shall transmit patient call information, via radio UHF of 457.55 MHz, to the Alpha Communications® NC397A Alphanumeric Pocket Pager(s), at a baud rate of 1200. Information such as call type, room location, and priority level, shall be as indicated by the NC350CP CPE (software rev. 1.93.1 or higher) or NC351 / NC351A / NC351A/2 CPE(s) and shall be transmitted to pagers in its entirety.

When used with the NC110A / NC110N / NC150N and/or NC200N nurse-call systems the NC365B requires the NC377/32 and/or NC377/64 voltage interface adapter(s).

The NC365B on-site paging system shall have a transmitting range of up to one mile (depending on results of site survey), and shall be used with the NC397A (or equivalent) pocket pagers.

The NC365B shall be used with the optional model# BA365K battery back up kit.

NC365B Paging System Transmitter/Control Unit

The NC365B Transmitter/Control Unit (on-site paging system) receives alphanumeric messages and patient call information via serial interface and transmits the information directly to the NC397A pocket pagers. 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 transmitter. The NC365B Paging System Transmitter/Control Unit is pre-programmed for use with the Alpha Communications® NC300 (or NC300II) nurse-call systems, or TC500 emergency-call systems. The Unit is designed for on site paging requirements only and not for long range.

The range of the system will largely depend on the site and location of the transmitter unit. To determine the exact range and coverage of the transmitter, a site survey must be done. Contact Alpha Communications® for details on site surveys. For estimation purposes of a properly located NC365B, a range of up to one mile can be expected (line of sight), under ideal conditions. See the instruction manual for additional details. Other antennas and signal amplification options are available to increase range, contact Alpha Communications®. Battery back-up also available, by using the model# BA365K kit.

Features

- Operates with NC300, NC300II, TC500 or NC110A/NC110N/NC150N/NC200N systems (requires NC377 series voltage interface adapter)
- System covers a radius of up to one mile (site survey must be done to verify range)
- 9600 baud serial input, 1200 baud transmit
- Supports NC397A (and other) pocket pagers
- 8 dry contact alarm inputs

Specifications

Dimensions:	Height: 7.28" (190mm) Width: 12.99" (330mm) Depth: 2.76" (71mm) not including antenna
Clearance:	Requires 7.87" (200mm) minimum clearance on all sides
Housing:	Surface mounted
Ports:	Scope protocol RS232 serial COM2 protocol RS232 serial 8 dry contact inputs configured as Normally Open (#8 is pre-programmed to send RANGE TEST to CAP code 400 using included dummy plug)
Channel spacing:	12.5 KHz
Operating Frequency:	457.55 MHz
Adjacent Channel:	better than 200nW @ 4.5 KHz deviation
Operating Voltage:	13.8 VDC
Power:	115 VAC 0.8A, 50/60 Hz input, 2 Watt output
Power Consumption:	Less than 50mA standby; up to 2.4A transmit
Serial Input Baud Rate:	9600
Transmit Baud Rate:	1200

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