



COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE® NC110, NC110A Nurse Call System

Submittal Package

as of 10/09/23

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Features

- Electronic DC buzzer
- Tone Off and Tone Test functions
- Emergency and Routine call signaling
- Modular design
- Protected markings

Description

The Tek-CARE NC110-series Audible-Visual Nurse Call System provides audible and visual call indication without the use of intercom communications. The basic system consists of a master annunciator/control panel, room call stations, emergency call stations, dome lights, zone lights, control unit, and power supply equipment.

Emergency signals are identified at the master station by a rapid flashing of the associated station indicator light, call light, and emergency light; in addition to a rapid pulsating tone. Routine calls are indicated by the steady illumination of the station selector light, call light, and a slow pulsating tone. The tone may be canceled for normal calls by depressing the Tone Off button. Emergency calls take precedence over Routine calls. Call signals can be canceled at point of origin only.

Tone Off and Tone Test functions are push-button selected from the control panel. Indicator lights signal the presence of Emergency or Routine calls.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	Refer to OH200-series housings and OF200-series frames in the IL312 Housings Reference Chart
Power:	24 VAC
Connections:	Screw terminal
Construction:	Extruded Aluminum Panels



NC110/32 Master Panel with OF201 Frame

Required Components

AM110-series Annunciator Add-On Panels
NC110-series Master Annunciator Panel
OH200-series Flush Housing
OF200-series Frame
SF-series Call Stations
IH151NK Power & Control Kit

Optional Components

PK124K Battery Backup Kit
PK153 Third Priority Control Unit

Features

- Electronic tone circuit with volume control
- Tone On/Off and Tone Test functions
- Emergency and Routine call signaling
- 50-point capacity with labels for custom marking
- Spill-resistant membrane switch

Description

TekTone's NC110A Annunciator/Control Panel provides for audible and visual call indication without the use of intercom communications. A basic nurse call system may consist of an NC110A Annunciator/Control Panel, room call stations, emergency call stations, dome lights, zone lights, control unit and power supply equipment.

Emergency signals are identified at the annunciator/control panel by a rapid flashing of the associated station indicator LED, call LED and emergency LED; in addition to a rapid pulsating tone. Routine calls are indicated by the steady illumination of the station selector LED, call LED, and a slow pulsating tone. The tone may be canceled for routine calls by depressing the Tone-Off button. Emergency calls take precedence over Routine calls. Emergency call signals can be canceled at point of origin only.

Tone On/Off and Tone Test functions are button selectable from the control panel, and three levels of tone volume are button selectable with LED indication. Indicator LEDs signal the presence of Emergency or Routine calls. The NC110A has a capacity of 50 selector points. All selector LEDs, indicator LEDs and control buttons are included on a membrane-type switch mounted on a desk phone-size plastic housing. A normally open isolated relay contact output for ancillary off-board call handling is also included.

Listings



UL 1069 Listed; UL® File Number E71599.



NC110A Annunciator/Control Panel

Specifications

Dimensions:	8.5"H × 8.5"W × 3"D (216 mm × 216 mm × 76 mm)
Power:	24 VDC, 650 mA
Connections:	Keyed plug-in
Construction:	Flame retardant (UL® 94V-0) plastic with membrane switch
Mounting:	3-gang ring for connector plate
Sounds Levels:	Tone at 4" (10 cm) from speaker 65 db = Low Volume 70 db = Medium Volume 75 db = High Volume

Required Components

SF-series Call Stations
IH151NK Power & Control Kit

Optional Components

PK124K Battery Backup Kit
PK153 Third Priority Control Unit

NOTES:

1. For SF-series emergency switches, use single-gang ring, or single-gang ring and dual-gang box.
2. For LI-series dome lights, use dual-gang ring (or dual-gang ring and box).
3. For AM- and CM-series apartment panels, see specification sheets.
4. For IR300-series nurse call stations, use Steel City #3GC and #H3BD or exact equivalent.
5. For IR150B-series, use Steel City #3GC and #H3BD. If space is limited, use ARC-CO #2GBD and #3GC.
6. For IR150SS Station, use OH600 flush housing mounted horizontally.
7. The last two digits of frame and housing model numbers indicate the number of gangs (i.e., panel capacity). Exceptions: IH101, IH103, OH600, OH601.
8. Attach the IH103 mounting plate to a finished wall, single-gang box, dual-gang box or square masonry box.

Model #	IH101 back box (flush)	IH103 plate (flush)
IR103E	×	×
IR104E	×	×
IR105E	×	×
IR203E		×
IR204E		×
IR205E		×
IR207B	use standard dual-gang electrical box	

Dimension and Finish Chart—Housings and Frames

Flush Mount Housings					
Model#	Overall Width	Wall Cutout Width	Overall Height	Wall Cutout Height	Overall Depth
IH101	4"	4-1/4"	5-1/2"	5-3/4"	1-3/4"
IH103	4-9/16"	n/a	5-7/8"	n/a	1/16"
OH150	5-1/4"	4-1/2"	12-5/8"	11-5/8"	3-3/4"
OH191	4-3/8"	4-1/2"	17-1/8"	17-1/4"	3-1/2"
OH192	8-3/8"	8-1/2"	17-1/8"	17-1/4"	3-1/2"
OH193	12-3/8"	12-1/2"	17-1/8"	17-1/4"	3-1/2"
OH194	16-3/8"	16-1/2"	17-1/8"	17-1/4"	3-1/2"
OH201	5-3/8"	4-1/2"	16-7/8"	16-1/4"	3-7/8"
OH202	9-3/8"	8-1/2"	16-7/8"	16-1/4"	3-7/8"
OH203	13-3/8"	12-1/2"	16-7/8"	16-1/4"	3-7/8"
OH204	17-3/8"	16-1/2"	16-7/8"	16-1/4"	3-7/8"
OH600	4"	4-1/4"	10-3/16"	10-3/8"	1-13/16"
OH601	4"	4-1/4"	16-1/16"	16-1/4"	1-13/16"

Flush Mount Frames		
Model #	Width	Wall Cutout
OF191	6-1/4"	-
OF192	10-1/4"	-
OF193	14-1/4"	-
OF194	18-1/4"	-
	Height:	19" (overall)
	Depth:	7/8"
OF201	6-1/4"	4-1/2"
OF202	10-1/4"	8-1/2"
OF203	14-1/4"	12-1/2"
OF204	18-1/4"	16-1/2"
	Height:	17-3/4" (overall)
	Cutout:	15-7/8"
	Depth:	2-1/2"

Surface Mount Frames			
Model #	Width	Height	Depth
OF191S	6-1/4"	19"	2-1/4"
OF192S	10-1/4"	19"	2-1/4"
OF193S	14-1/4"	19"	2-1/4"
OF194S	18-1/4"	19"	2-1/4"
OF195S	22-1/4"	19"	2-1/4"

Features

- Simple, push-button calling using plug-in call cord
- Call-placed indicator and cancel button
- Call automatically registers if call cord is accidentally removed
- Corridor zone light capability

Description

The SF100C Single Bed Room Station includes a jack allowing the attachment of an SF301-series Call Cord. A call is registered at the nurse station, corridor light and corridor zone light (if installed) when the call cord button is used, or if the call cord is accidentally removed from the jack on the panel. The station includes a call-placed indicator that lights when a call is placed and a cancel button mounted on an attractive, flame-retardant (UL® 94V-0) plastic faceplate.

Listings



UL 1069 Listed; UL® File Number E71599.

Specifications

- Dimensions: 4.5"H × 2.75"W × 1.75"D
(114 mm × 69 mm × 44 mm)
- Connections: Plug-in connectors
- Construction: Flame retardant (UL® 94V-0) plastic faceplate. Switches and electronic components are circuit board mounted
- Housing: Single-gang ring, or single-gang ring with dual-gang box



SF100C Single Bed Room Station

Required Components

Tek-CARE NC110 Nurse Call System
SF301-series Call Cord

Features

- Simple, push-button calling
- Call-placed indicator
- Cancel push button
- Call activates lamp on annunciator panel and corridor light
- Flame retardant (UL® 94V-0) plastic faceplate
- Corridor zone light capability

Description

The SF101C Audible-Visual Room Station incorporates push-button operation of call and cancel functions. A call is registered at the annunciator panel and on a corridor light or corridor zone light (if installed) when the call switch with integral call-placed LED is pushed. The call-placed LED will also illuminate. Calls are canceled by simply depressing the cancel button. The call-placed LED will also be extinguished. All station components are mounted on a rugged UL® 94V-0 plastic faceplate.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

- Dimensions: 4.5"H × 2.75"W × 1.75"D
(114 mm × 69 mm × 44 mm)
- Connections: Plug-in connectors
- Construction: Flame retardant (UL® 94V-0) plastic faceplate. Switches and electronic components are circuit board mounted
- Housing: Single-gang ring, or single-gang ring with dual-gang box



SF101C Audible-Visual Room Station

Required Components

Tek-CARE® NC110 Nurse Call System

Features

- Simple, push-button calling using plug-in call cords
- Combined call-placed indicator and cancel button
- Call automatically registers if either call cord is accidentally removed
- Flame retardant plastic faceplate
- Corridor zone light capability

Description

The SF102 Dual Bed Room Station includes two jacks allowing the attachment of two SF301-series Call Cords. A call is registered at the nurse station, corridor light and corridor zone light (if installed) when either cord button is depressed or if either call cord is accidentally removed from the jack on the SF102.

The station includes a lighted call-placed switch that lights when a call is placed. The call-placed switch also provides the system cancel function. All of the electronics are mounted on an attractive, flame retardant plastic faceplate.

Listings



UL 1069 Listed; UL® File Number E71599.

Specifications

- Dimensions: 4.5"H × 2.75"W × 1.75"D
(114 mm × 69 mm × 44 mm)
- Connections: Plug-in connectors
- Construction: Flame retardant ABS plastic faceplate.
Switch and electronic components are circuit board mounted
- Housing: Single-gang ring, or single-gang ring with dual-gang box



SF102 Dual Bed Room Station

Required Components

Tek-CARE NC110 Nurse Call System
SF301-series Call Cords

Features

- Oxygen safe
- Impact resistant and waterproof
- Small, lightweight pendant fits comfortably in hand
- Bed clips included
- UL® 1069 Listed; SF301A is also UL® 2560 Listed

Description

The TekTone SF301A (single) or SF302 (double) Call Cords are for use with the Tek-CARE® nurse call systems and wireless emergency call systems where 1/4" phono jacks are used. Ten-foot cords are also available as SF301A/10 and SF302/10. The SF301A and SF302 are oxygen safe call cords certified safe for use by all patients receiving oxygen therapy. These waterproof and impact-resistant call cords have completely sealed push buttons.

Required Components

Tek-CARE® 500 Wireless Nurse Call System with SF521UL
Tek-CARE® 120 or 160 Nurse Call System with SF121 or SF122 Room Stations
Tek-CARE®300II Nurse Call System with SF380A Patient Stations
Tek-CARE® NC200N or NC150N Nurse Call Systems with IR151B or IR152B
Tek-CARE® NC110N Nurse Call System with SF100C or SF102 Patient Stations

Listings



SF301A is UL® 1069 and UL® 2560 Listed;
SF302 is UL® 1069 Listed; UL® File Number E71599.



SF301A, SF302 Call Cord

Specifications

Dimensions: 7' (2.13 m) long polyvinyl-covered cord
Construction: SPST-1A switch, Integral brass, fine silver contacts 1 AMP, 115 watt maximum, AC
Connections: 1/4" (6.35 mm) plug-in phono jack

Features

- Sensitive touch activation
- Oxygen tent safe
- Ideal for geriatric use
- Momentary, air-activated switch
- Adjustable bed clip(s)
- UL® 1069 Listed

Description

TekTone® SF301G and SF302G Call Cords are for use with Tek-CARE® nurse call systems and wireless emergency call systems where ¼" phono jacks are used.

SF301G and SF302G Call Cords are specifically designed for use in geriatric and oxygen environments, but may also be used in general applications. To place a call, the patient applies slight pressure to the squeeze bulb using any part of the body. The force of air through the vinyl tubing closes a switch in the plug, thus placing a call. An adjustable bed clip is supplied for the SF301G and is attached to the call cord. Two adjustable bed clips are supplied with the SF302G.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Switch:	Momentary contact, air activated
Plug:	Stainless steel
Cord:	Vinyl tubing
Electrical:	Rated current 1/3 AMP, 24 VAC-VDC
Dimensions:	Cord: 6' long (1.83 m) Plug: 1.25" long (32 mm) Bulb: 1.5" diameter (38 mm)



SF301G Call Cord

Required Components

Tek-CARE®500 Wireless Nurse Call System with SF530ES or SF530UL Room Stations
or
Tek-CARE®120 or 160 Nurse Call System with SF121 or SF122 Room Stations
or
Tek-CARE®300II Nurse Call System with SF380A Patient Stations
or
Tek-CARE® NC200N or NC150N Nurse Call Systems with IR151B or IR152B Patient Stations
or
Tek-CARE® NC110N Nurse Call System with SF100C or SF102 Patient Stations

Features

- Simple, flexible operation
- Call-placed indicator
- Call cancel at point of origin
- Corridor zone light capability
- Flame retardant (UL® 94V-0) plastic faceplate
- 1.1" wide pull-down lever

Description

The SF155B Emergency Station is for use in any location where activation of an emergency signal is required. All electronic components are mounted on a circuit board. The specially designed and mounted LED is completely sealed in plastic.

Due to the flexibility of its design, it may be used as a pull-cord emergency station, or a pull-down activated emergency station. The pull cord supplied may be used for emergency call activation, or if desired, the large 1.1" wide red pull-down lever may be used.

Required Components

Tek-CARE® NC110, NC150 or NC200 Nurse Call System

Listings



UL® 1069 Listed; UL® File Number E71599.



SF155B Emergency Station

Specifications

- Dimensions: 4.8"H × 3.2"W × 1.2"D
(122 mm × 81 mm × 30 mm)
- Connections: Plug-in connectors
- Construction: Flame retardant (UL® 94V-0) plastic faceplate. Switch and electronic components are circuit board mounted
- Housing: Single-gang ring, or single-gang ring with dual-gang box

Features

- Simple, reliable operation
- Call-placed indicator
- Call activates light on annunciator panel, corridor light and/or zone light
- Mounted on flame retardant (UL® 94V-0) plastic panel

Description

The SF156B Code Station is used to operate all system code signals (except supervised code blue applications). It may be used independently or connected with other call stations.

Placing a code call is accomplished by pulling the slide-switch located at the center of the panel to the down position. Returning the slide-switch to the up position cancels the call.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	4.8"H × 3.2"W × 1.2"D (122 mm × 81 mm × 30 mm)
Connections:	Plug-in wiring pigtail
Construction:	Reliable components mounted on a flame retardant (UL® 94V-0) plastic faceplate
Housing:	Single-gang ring, or single-gang ring with dual-gang box



SF156B Code Station

Required Components

Tek-CARE® NC110, NC150 or NC200 Nurse Call System
PK153 Third Priority Control Unit

Features

- Waterproof if installed per manufacturer's instructions
- Call-placed indicator
- Call cancel at point of origin
- Flame retardant (UL® 94V-0) plastic faceplate
- 1.1" (28 mm) wide pull-down lever
- Washable TPU plastic pull-cord kit is included

Description

The SF337C Emergency Shower Switch is for any location where activation of an emergency signal is required. The design is such that it may be located anywhere in a shower, bath or tub room, regardless of environmental conditions. The combination of rubber-grommeted mounting screws, rubber mounting gasket, and completely sealed front faceplate make it waterproof (if properly installed). Electronic components are mounted on a circuit board, including an industry-proven reliable reed switch for call initiation. The activating magnet is mounted on the large pull-down lever, which is completely sealed in plastic. The indicator LED is also completely sealed.

Due to the flexibility of its design, the SF337C may be used as a pull-cord or as a pull-down activated emergency switch. The pull-cord supplied may be used for emergency call activation, or if desired, the large 1.1" (28 mm) wide red pull-down lever may be used. Dome light and system annunciation vary according to the manner in which the SF337C is connected.

Listings



UL® 1069 Listed; UL® File Number E71599.



SF337C Emergency Shower Switch
(cord not shown)

Specifications

Dimensions:	4.8"H × 3.2"W × 1.2"D (122 mm × 81 mm × 30 mm)
Construction:	Flame retardant (UL® 94V-0) plastic faceplate
Connections:	Plug-in connectors
Flush Housing:	Single-gang ring with square box; for Tek-CARE500 use plastic single-gang box with minimum 2.875" × 2.125" opening
Surface Housing:	TekTone IH527 plastic back box for Tek-CARE500

Applicable Components

- Tek-CARE®400 P5 Nurse Call System
- Tek-CARE®300II/III Nurse Call System
- Tek-CARE® NC200, NC150, NC110 Nurse Call System
- Tek-CARE®500 Wireless Emergency Call System (used with SF527UL)

Features

- Simple, reliable operation
- Call-placed indicator
- Buzzer for audible annunciation
- Mounted on flame retardant (UL® 94V-0) plastic faceplate

Description

The LI150B Duty Station provides an indication of incoming calls in work areas away from the nurse call master station.

Normal calls are indicated both visibly by steady illumination of the solid-state LED light, and audibly by a slow pulsating tone. Emergency calls take precedence and are indicated by flashing of the LED light and a rapid pulsating tone. A Tone Off switch permits silencing of the tone signal for routine level calls only.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	4.5"H × 2.75"W × 1"D (114 mm × 70 mm × 25 mm)
Connections:	Screw terminals
Construction:	Reliable components mounted on a flame retardant (UL® 94V-0) plastic faceplate
Housing:	Single-gang ring, or single-gang ring with dual-gang box



LI150B Duty Station

Required Components

Tek-CARE® NC110, NC150 or NC200 Nurse Call System

Features

- Snap-in lens
- Easy bulb replacement
- Flame retardant HIPS 30 plastic panel
- Excellent visibility

Description

The LI381 Corridor Light and LI382 Corridor Zone Light provide visual indication of calls when used with a nurse call system, emergency call system, or similar application. Emergency calls are indicated by the rapid flashing of the LI381 Corridor Light associated with the calling station. Normal calls produce a steady illumination.

The LI382 Corridor Zone Light indicates an emergency call by the rapid flashing of the red-covered bulb associated with the zone or area from which an emergency call has been placed. Normal calls are indicated by a steady illumination of the white bulb. If an emergency and normal call are placed in the same zone at the same time, the red covered bulb connected to the emergency station will flash rapidly, while the white bulb associated with the normal call will maintain a steady illumination.

The standard mounting plate accommodates both models and features an easily removable white flame-retardant translucent polystyrene plastic lens for bulb replacement.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	4.56"H × 4.56"W × 3.3"D (115 mm × 115 mm × 84 mm)
Bulbs:	#1829 28V 70 mA
Power:	LI381: 24 VDC or VAC, 51 mA LI382: 24 VDC or VAC, 102 mA
Finish:	White flame retardant translucent polystyrene plastic lens mounted on a flame-retardant (UL® 94V-0) plastic panel
Housing:	Fits either standard dual-gang box and ring or single-gang box and ring



LI381 Corridor Light & LI382 Corridor Zone Light

Required Components

Tek-CARE® NC110, NC150, NC200 or NC300II/III Nurse Call System

Tek-CARE®500 Wireless Emergency Call System with NC50xES-series remote receiver

CM800 Emergency Call System

Features

- Long lasting LEDs
- No bulb replacement needed
- Plug-in connector supplied
- Flame retardant plastic panel

Description

The LI382LED Corridor Zone Light provides visual indication of calls when used with a nurse call system, emergency call system, or similar application.

The LI382LED Corridor Zone Light indicates an emergency call by the rapid flashing of the two red LED bulbs associated with the zone or area from which an emergency call has been placed. Normal calls are indicated by a steady illumination of the two white LEDs. If an emergency and normal call are placed in the same zone at the same time, the red LEDs connected to the emergency station will flash rapidly, while the white LEDs associated with the normal call will maintain a steady illumination.

The standard mounting plate features both single- and dual-gang mounting options.

Required Components

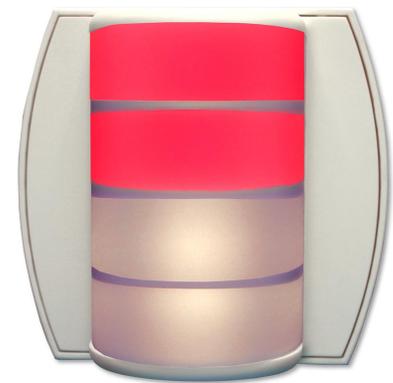
Tek-CARE® NC110, NC150, NC200
or
Tek-CARE300II/III Nurse Call System

Tek-CARE®500 Wireless Nurse Call System with
NC50xES-series remote receiver
CM800 Emergency Call System with CM800-series speaker
panel

Listings



UL® 1069 Listed; UL® File Number
E71599.



LI382LED Corridor Zone Light

Specifications

Dimensions:	4.8"H × 5.0"W × 2.75"D (122 mm × 127 mm × 70 mm)
LEDs:	2V 20 mA per LED
Power:	24 VDC
Finish:	Base is flame-retardant (UL® 94HB) plastic. Lens is flame retardant translucent polycarbonate plastic
Housing:	Fits standard single- or dual-gang box with single- or dual-gang ring

Features

- Provides steady light and slow tone for normal call; flashing light and rapid tone for emergency call
- Routine and emergency commons incorporate short-protection circuitry

Description

The IH151NK Power & Control Kit includes a PK152 Power & Control Unit and an SS106 Transformer pre-installed in a 19-gauge cold-rolled steel housing. Knockouts are included on all sides, except the lid, to allow connection of electrical conduit from any direction. The lid has a knock-out which can be used to install an optional key lock.

The PK152 Power & Control Unit contains the electronic circuitry necessary to detect the presence of normal and emergency calls, and to generate audible and visual control signals. It provides steady or intermittent voltages to operate visual signaling devices. The PK152 can also be used as an auxiliary power supply to increase a system's simultaneous call capacity quantity. Protective circuitry has been incorporated to protect routine and emergency call commons from shorts.

Required Components

Tek-CARE®NC110, NC150 or NC200 Nurse Call System
Tek-SAFE® Area of Rescue Assistance System
Tek-CARE®500 Wireless Emergency Call System with NC50xES-series Remote Receiver and LI381, LI382 or LI382LED Dome Lights

Optional Components

Mier BW3000 Offset Cam Lock, or equivalent

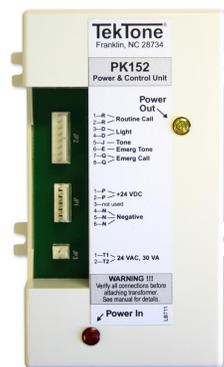
Listings



IH151N: UL®1069 Listed; UL® Listing Number E71599.



PK152: ETL Tested to UL®1069 standard.



IH151NK Power & Control Kit

Specifications

Dimensions:	11.75"H × 11.75"W × 3.75"D (300 mm × 300 mm × 96 mm)
Connections:	Pigtails (on PK152)
Construction:	19 gauge, cold-rolled steel
Temperature:	0°C–50°C
Mounting:	Surface-mounted within 50' of master station

Specifications are the minimum requirement for system operation. Some systems may require additional equipment. Contact your factory representative for details.

Features

- Tappable at 8, 16, or 24 VAC
- UL® Listed Class 2 transformer
- Pre-stripped pigtailed for primary connections
- Screw terminals for secondary connections
- Surface mounted or via a standard 1/2" knockout on an electrical box

Description

TekTone's SS106 Class 2 Transformer offers a compact, easy-to-install low voltage AC power source for use with various TekTone® Tek-CARE® systems. The SS106 Transformer is a UL® Listed Class 2 transformer and will safely take itself offline when overheated.

The transformer is constructed for easy surface installation or in a standard 1/2" knockout, and may be used in plastic or metal boxes. Primary wire connections are made using the pre-stripped pigtailed and ground wire; secondary connections are made using screw terminals.

Optional Components

Various Tek-CARE Systems, including:

CM800, DS100, NC110, NC150, and NC200 Nurse Call Systems



SS106 Transformer

Specifications

120 VAC primary
8 VAC 20 VA, 16/24 VAC 30 VA secondary

Dimensions

Faceplate:	1.25"H × 5.875"W (31.8 mm × 149 mm)
Case width:	0.9375" (24 mm)
Case depth:	1.4375" (35 mm)
Latch opening:	1.375" (35 mm)

Note: The SS106 is found in the power and control assembly; IH151NK and the battery back-up assembly; PK124K.

Features

- High-quality integrated circuitry and electronic components
- Rugged extruded aluminum case
- Provides flashing light and rapid tone for emergency calls

Description

The PK153 Third Priority Control Unit provides the control circuits to operate a higher priority call signal, such as a smoke detector alarm or a code call, for TekTone's Tek-CARE® NC110, NC150, NC200 nurse call systems. When used in conjunction with the IH151NK Power & Control Kit, the unit provides the additional circuitry for a third level of call priority.

Listings



UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	9.5"H × 2.37"W × 2.25"D (240 mm × 60 mm × 57 mm)
Connections:	Screw terminals
Construction:	Electronic components mounted on printed circuit boards and housed in a rugged extruded aluminum case
Temperature:	0°C–50°C
Mounting:	Surface mounted (within 50' of nurse call master)
Power:	24 VDC (provided by IH151NK)

Specifications are the minimum requirement for system operation. Some systems may require additional equipment. Contact your factory representative.



PK153 Third Priority Control Unit

Required Components

Tek-CARE® NC110, NC150 or NC200 Nurse Call System
IH151NK Power & Control Kit

Features

- Low voltage operation
- Reliable alternate power supply
- Integrated circuit design
- Easy installation

Description

The PK124K Battery Backup Kit provides continuous battery charging so that if power to system equipment is interrupted, standby operating power is provided for up to approximately 6 hours. (Time may vary depending on system size and usage.)

The PK124K kit includes a transformer, a battery charger and two batteries—all preinstalled in a 19-gauge cold-rolled steel housing. Knockouts are included on all sides except the lid, to allow connection of electrical conduit from any direction. In addition, the lid has a knockout which can be used to install an optional key lock. The enclosed single-gang electrical junction box is galvanized steel with a stainless steel cover plate.

TekTone systems supported by the PK124K include the DS100 Door Sentry & Emergency Alarm System, the CM800 Emergency Call System, Tek-ENTRY® Apartment Entry Systems, and the Tek-SAFE® Area of Rescue Assistance System.

Required Components

CM800 Emergency Call System
DS100 Door Sentry & Emergency Alarm System
Tek-ENTRY® Apartment Entry Systems
—or—
Tek-SAFE® Area of Rescue Assistance System

Optional Components

Mier BW3000 Offset Cam Lock, or equivalent



PK124K Battery Backup Kit

Specifications

Dimensions:	11.75"H × 11.75"W × 3.75"D (300 mm × 300 mm × 96 mm)
Connections:	Screw terminals (on PK124)
Construction:	19 gauge, cold-rolled steel
Transformer:	24 VAC, 30 VA (SS106)
Storage:	Two 12 VDC batteries (BA001)
Mounting:	Surface

Features

- Alphanumeric
- 2-line 20-character backlit display
- Easy to use large 4-button design
- Preprogrammed with up to 8 user-specified CAP codes
- 4 vibrate patterns and 5 tone alert styles
- Real-time clock
- Message time stamping
- Low battery indicators
- Includes holster belt clip and bungee safety cord

Description

The NC397A Alphanumeric Pager is a radio pager with a large 2-line display. It includes a holster/belt clip and bungee safety cord. The pager is designed for use with TekTone's Tek-CARE nurse call systems, Tek-CARE500 Wireless Emergency Call System, and Tek-ALERT Alert Integration System.

The pager stores up to 60 messages of 239 characters each. Messages may be selectively deleted or locked into memory. Messages not locked into memory are automatically deleted as new messages arrive (beyond the 60 message limit), with the oldest messages deleted first.

The NC397A pager may be configured for annunciation via vibration or audible tones, and has one alarm for daily annunciation. It can be programmed to turn on and off at preset times each day.

The NC397A pager is pre-programmed to receive call information from TekTone® systems.



NC397A Alphanumeric Pager

Specifications

Dimensions:	2.087"H × 2.99"W × 0.67"D (53 mm × 76 mm × 17 mm) without holster belt clip
Weight:	1.76 oz. (50 g) without battery
Protocol:	POCSAG
Operating freq:	457.550 Mhz
Power:	1 AAA battery

Required Components

NC365B Paging Transmitter
plus one of these systems:

- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®400 P5/P5+ Nurse Call System
- Tek-CARE®400 Nurse Call System
- Tek-CARE®300III Nurse Call System
- Tek-CARE®120 or 160 Nurse Call System
- Tek-CARE®NC110/150/200 Nurse Call System
(requires NC377-series Paging Interface Adapter/
Voltage Interface)
- Tek-CARE®500 Wireless Nurse Call System
- Tek-ALERT® Alert Integration System
- NC475 Tek-CARE® Appliance Server

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

Description

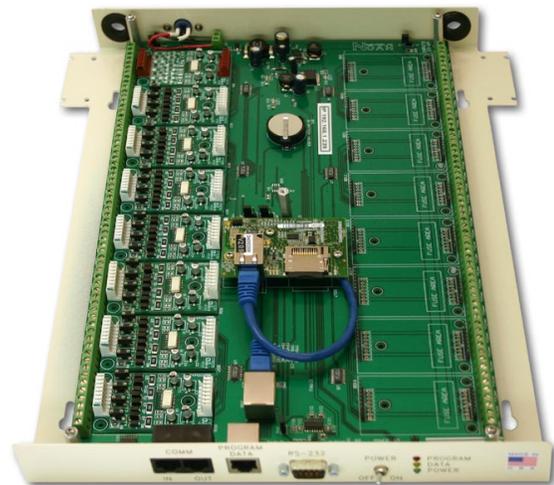
The NC377-series Voltage Interface is used with the Tek-ALERT® Alert Integration Manager to connect switched voltage analog systems to the Tek-ALERT system. Tek-ALERT enables such advanced features as consolidated event monitoring, management reporting, and paging for all connected systems. TekTone's Tek-CARE® NC110, NC150 and NC200 Nurse Call Systems, as well as a variety of non-TekTone systems, use the voltage interface to communicate with the Tek-ALERT system. The voltage interface recognizes three states: off, steady on, and flashing; and can connect systems with input voltage from 5V to 50V, AC or DC.

The NC377-series Voltage Interface can also integrate TekTone's Tek-CARE NC110, NC150 and NC200 Nurse Call Systems directly with the NC365B Paging Transmitter. In this scenario, it connects directly to the nurse call master. The NC377-series Voltage Interface sends nurse call priority information via a serial port to the NC365B Paging Transmitter. The transmitter then transmits this information to the pagers, allowing the staff to distinguish call priority levels.

The voltage interface is available in two configurations: The NC377/32 accommodates 32 inputs, while the NC377/64 handles up to 64 inputs. Connect up to 9 total NC377/64s to the NC365B Paging Transmitter to accommodate up to 576 inputs. (Maximum cable distance from the first NC377-series to the last one is 1,000 feet.)

Specifications

Dimensions:	14"H × 10"W × 1.5"D (356 mm × 254 mm × 38 mm)
Connections:	Screw terminals: 9-PIN serial connector
Housing:	Surface mounted
Voltage:	Trigger: 24 volts DC Operational: 110 VAC Input
Current:	Less than 450 mA
Output:	Steady on, flashing, and off
Baud Rate:	9600



NC377-series Voltage Interface
(exterior & interior)

Required Components

NC365B Paging Transmitter
NC397A Pagers
and Tek-CARE® NC110, NC150, NC200 Nurse Call System
or Tek-ALERT® Alert Integration System

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

Features

- Preprogrammed for use with TekTone systems
- Approximate one-mile range in ideal conditions

Description

The NC365B Paging Transmitter receives alphanumeric messages and patient call information via serial interface and transmits the information directly to 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 Transmitter is pre-programmed for use with TekTone® systems for simplified plug-and-play setup.

The system's range depends upon the site and the transmitter's location. To determine the exact coverage, conduct a site survey. Under ideal conditions, the NC365B Paging Transmitter's range is approximately one mile. The unit includes a ¼-wave BNC-terminated antenna to provide coverage that meets most requirements.

Required Components

NC397A Pagers plus one of these systems:

- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®400 P5/P5+ Nurse Call System
- Tek-CARE®400 Nurse Call System
- Tek-CARE®NC300II Nurse Call System
- Tek-CARE®120 or 160 Nurse Call System
- Tek-CARE®NC110/150/200 Nurse Call System (requires NC377-series Paging Interface Adapter/Voltage Interface)
- Tek-CARE®500 Wireless Nurse Call System
- Tek-ALERT®Alert Integration System
- NC475 Tek-CARE® Appliance Server

Optional Components

BA365K Battery Backup Kit



NC365B Paging Transmitter

Specifications

Dimensions:	7.48"H × 12.99"W × 2.76"D (190 mm × 330 mm × 70 mm)
Clearance:	7.87" (200 mm) minimum clearance on all sides
Ports:	Scope protocol RS232 serial DB9 COMP2 protocol RS232 serial DB9 8 dry contact inputs configured as Normally Open (#8 is preprogrammed to send RANGE TEST to CAP code 400 using included dummy plug.)
Housing:	Surface mounted
Frequency:	457.55 MHz
Channel spacing:	12.5 KHz
Adjacent channel:	Better than 200nW @ 4.5 KHz deviation
Baud rate:	9600 serial input 1200 transmit
Power:	115 VAC 0.8 A, 50/60 Hz input 2 Watt output Consumption less than 50 mA standby; up to 2.4 A transmit 13.8 Volts DC operating voltage

Each paging system installed in the United States is required by law to have an FCC license. The FCC license can be obtained directly by the end user or through an authorized agent. The FCC application process takes approximately two weeks and provides the end user with a ten-year renewable license. To apply for an FCC license, visit: <http://wireless.fcc.gov/uls/index.htm>.

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