



COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE®120

Nurse Call System

Submittal Package
as of 2/20/2025

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TekTone® Sound and Signal Mfg., Inc., 324 Industrial Park Road, Franklin, North Carolina 28734, USA.

Features

- Each NC120 CE module supports up to six NC415G3 or NC404TS master stations, 64 room controllers (4 runs of 16 controllers each), and 16 duty stations (4 duty stations per run)
- Network up to 20 NC120 CE modules for up to 120 masters and 1280 room controllers
- Stackable shelf mount; 2U rack mount kit included
- Programmable using our exclusive Config Tool software via laptop connected to the Tek-CARE® Network

Description

The NC120 Central Equipment (CE) Module is scalable so that up to 20 CE modules can be networked together. Each CE module provides connections and power for 64 room controllers and up to six master stations. (Limit of 4 master stations on a CE module when LI484P5 4-LED multicolor dome lights are connected.)

CE modules can be stacked on a shelf or rack mounted.

The NC120 CE Module includes two field-replacable back-up batteries that provide system power during the facility's switchover to emergency generator power. The NC120 also includes the LS450 Config Tool programming software.

Required Components

NC475 Tek-CARE Appliance Server
NC415G3 or NC404TS Master Station
LI122UN Room Controller with Dome Light or
PM120 Room Controller
SF121 Single Patient Stations, SF122 Dual Patient Stations,
or SF123 Customizable 2-Button Pull-Cord Stations

Optional Components

CT400P5 8P8C Splitters (2 included)
SF125 Duty Station
PM123 Auxiliary Input Module



NC120 Central Equipment Module

Specifications

Dimensions:	3.25"H × 17.00"W × 10.05"D (83 mm × 432 mm × 255 mm)
Construction:	PC board with quality electronic components
Input Power:	90 VAC–264 VAC at 50Hz–60Hz
Typical current Usage:	1.6A at 115 VAC or 0.9A at 230 VAC
Temperature:	0°–70°C
Humidity:	5–95% (non-condensing)
Built-in Surge Protection:	783V clamping

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

Maximum number of master stations, multicolor dome lights, and duty stations may be calculated using the load value calculator available from www.tektone.com/resources.

Features

- Compact Nurse Call Console which can be desk or wall mounted
- Optional handset and cradle for added privacy during audio communication
- Can be used with all TekTone Nurse Call Systems
- Color LCD display for easy viewing of color coded call types
- Displays up to 3 calls with scrolling feature
- Displays changes when call is selected providing more pertinent information

Description

The NC415G3 provides for tone and visual annunciation of calls from stations and other masters and for push to talk audio control for audio capable systems. If desired, add the optional TA415L handset kit for better privacy. The kit comes with a cradle, handset, and cord.

The user interface layout is the same as other TekTone product displays including the NC404TS, NC403TS, and Tek-CARE Apps, allowing staff to view calls on the same familiar screen across devices. Up to three incoming calls are displayed by priority and time and are also color coded for easy recognition. Routine calls are annunciated with a steady call LED and slow pulsing tone with station number displayed on the touchscreen. Calls can be selected out of order.

High priority calls are annunciated with a rapid flashing call LED and rapid pulsing tone with the station number displayed on the touchscreen. All calls have to be canceled from the point of origin unless it is a routine call from an audio capable station whereupon resetting an audio connection can reset the call if desired. For additional annunciation at the master location, an LI484P5 4-LED multicolored dome light can be connected directly to the master station. This dome will annunciate the highest priority call on the NC415G3.

Refer to the Tek-CARE® [Master Station Load Value Calculator](#) on TekTone's website for more information on power restrictions.

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.



NC415G3 with TA415L Handset



NC415G3 with IH415LD Desk Mount Housing

Specifications

Dimensions:	NC415G3: 4.75"H × 9.60"W × 1.3"D (121 mm × 244 mm × 33 mm) from wall (flush-mounted) TA415L: 6.97"H × 1.49"W × 1.3"D (177 mm × 38 mm × 33 mm) Handset
Input Power:	24 VDC, NC435G3 27 VDC, NC455CE
Construction:	PC board with quality electronic components
Housing:	IH415LD for desk mount; IH415W plus standard dual-gang box with dual-gang ring for wall mount
Connections:	8P8C modular plug and jack

Required Components

NC475 Tek-CARE Appliance Server
TekTone Tek-CARE Nurse Call Systems

One of the following:
IH415LD Desk Mount Housing
IH415W Wall Mount Bracket

Optional Components

TA415L Handset
LI484P5 Four-LED Corridor Light

Features

- 24" touchscreen monitor for call annunciation and interaction
- Can be placed anywhere in the facility with LAN connectivity
- Touchscreen monitor for easy interaction
- Displays calls, icons, maps, station information, resident information, and much more
- Calls can be filtered and zoned
- Can operate as a non-interactive display if only a call display is desired
- Optional supervision
- Desk or wall mountable. Wall mount uses a standard VESA mounting system. Wall mounts provided by contractor

Description

The touchscreen NC403TS Tek-CARE Monitor is a purpose-built monitor for the Tek-CARE nurse call system. It is designed to be a cost-effective and attractive option for displaying calls throughout the facility where the full functionality of a master station is not required.

The NC403TS Tek-CARE Monitor is supplied as a complete unit which includes all the necessary hardware for connection to the nurse call system. The NC403TS is connected to the Tek-CARE system via the facility's local area network (LAN).

The NC403TS Tek-CARE Monitor offers many functions used by facility staff on a daily basis, such as call display and the ability to view details about a call, resident information, status display, and more. In addition to a call list view, a map view and icon view are also available if desired. The NC403TS Tek-CARE Monitor can also modify its own annunciation settings and display system faults if desired. Password protection of advanced features is also available.

The NC403TS Tek-CARE Monitor can be zoned to display calls from desired zones to improve staff awareness and efficiency. Up to 254 NC403TS Tek-CARE Monitors can be installed on a single Tek-CARE system.



NC403TS Tek-CARE Monitor

Specifications

- Dimensions: 14"H × 21.3"W × 1.9"D
(356 mm × 541 mm × 48 mm)
- Connection: Ethernet connectivity to facility LAN
- Display: 24" touchscreen display

Required Components

NC475 Tek-CARE Appliance Server

Features

- Provides visual indication of system calls
- White LEDs are selectable for warm or cold hues
- Choice of red & white or blue & white LED options
- Provides 6 connection points for patient stations, 2-button pull-cord stations, and duty stations
- Long lasting LEDs; no bulb replacement required
- UL/cUL® 1069 and UL® 2560 Listed
- RoHS Compliant

Description

The LI122UN Room Controller with Dome Light provides the interface to a duty station, patient station, and two-button pull-cord stations, plus visual indication of calls originating from them. The LI122UN also provides communication to and from the central equipment module.

The LI122UN Room Controller has slide switches to manually select the two dome colors as White/Red or White/Blue and the tone of the White color as Warm White or Cool White.

The LI122UN Room Controller indicates higher priority calls by flashing the two red or blue LEDs. Lower priority calls are indicated by steady illumination of the two white LEDs. If an emergency and lower priority call are placed in the same location at the same time, the red emergency LEDs will flash while the white LEDs will maintain a steady illumination.

The LI122UN Room Controller can also be configured as a zone light to indicate calls that originate from the stations assigned to a particular zone.

Required Components

NC120 Central Equipment Module
NC415G3 or NC404TS Master Station
SF121 Single Patient Station, SF122 Dual Patient Station,
SF123 Customizable 2-Button Pull-Cord Station, and/or
SF125 Duty Station
PM123 Auxiliary Input Module

Optional Components

SF123V Vandal 2-Button Station



LI122UN Room Controller with Dome Light

Specifications

Dimensions:	4.8"H × 5.0"W × 2.76"D (122 mm × 127 mm × 70 mm)
Environment:	5%–95% non-condensing humidity; 0°C–60°C
LEDs:	2V 20 mA per LED
Base:	Flame-retardant (UL® 94HB) plastic
Lens:	Flame-retardant translucent polycarbonate plastic
Mounting:	Fits standard single- or dual-gang box with single- or dual-gang ring
Connections:	6-pin and 8-pin pigtailed connector (harness included)

Listings



UL® 1069, UL® 2560, and cUL® listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

Features

- CT160 snap-in assembly for use with LI122UN and PM120
- CT160K for stand-alone applications providing same mounting base as the LI and PM's
- Use CT160/K to simplify wiring to room controllers
- Two-wire flying lead and two 8P8C connections
- Convert wiring to use or reuse CAT5e cable to reduce labor and cable cost
- RoHS Compliant

Description

The CT160/K is designed to adapt a connection from a two-wire flying lead to an 8P8C connector which leads to simplified wiring.

The CT160/K allows the installer to convert wiring to use or reuse CAT5e cable (or better) for station wiring for the TC120 Nurse Call Systems.

The CT160 may be connected to PM120 and LI122UN Room Controllers via 3 standoffs provided.

The CT160K is assembled in a plastic housing for stand-alone mounting.

Required Components

Tek-CARE® 120 Nurse Call System

For Data:
NC120 CE Module
PM120, LI122UN Room Controllers

For Audio:
IR160 Audio Stations



Shown: CT160K (CT160 in mounting hardware)

Specifications

Dimensions	4.8"H × 5.0"W × .77"D
in housing:	(122 mm × 127 mm × 20 mm)
Environment:	0°C–60°C
Construction:	PC board with quality electronic components mounted on a flame-retardant (UL® 94V-0) plastic faceplate
Mounting:	CT160: Attach to PM120 and LI122UN Room Controllers CT160K: Fits standard single- or dual-gang box with single- or dual-gang ring
Connections:	Two-wire flying lead -and- CAT5e or better cable using optional 8P8C connectors

Listings



RoHS Compliant.

Features

- Six 8P8C connectors

Description

Current uses:

The CT400P5 Splitter is used for the Tek-CARE120 master bus to connect two or three master stations to a single port on the NC120 CE Module.

Legacy uses:

Tek-CARE400 P5 and P5+

The CT400P5 Splitters are used to provide room drops (similar to T-Tapping) from the station commons bus to addressable stations and zone lamps. Typically, they are used when a station commons bus is run down a hallway from corridor dome lamp to corridor dome lamp, or centrally down the hallway. Each splitter provides six jacks—an in and an out, plus up to four room drops.

Tek-CARE160

The CT400P5 Splitters are used to provide audio bus cabling to the field from NC160 GEN2 Central Equipment. A CT160 is used to convert the 2-wire audio bus to CAT5e or better cable.



CT400P5 8P8C Splitter

Specifications

Dimensions: 2.06"H × 1.63"W × 0.88"D
(52 mm × 41 mm × 22 mm)

Connections: Six 8P8C jacks (CT400P5)

Required Components

CT400P5 (Commons Bus):
Tek-CARE®400 P5/P5+ Nurse Call System
PM455 P5 Master & Station Module
-or-
NC455CE Central Equipment Module

CT400P5 (Master Bus):
Tek-CARE®120 Nurse Call System
NC120 Central Equipment Module
NC415G3 or NC404TS Master Station

Features

- Provides 6 connection points for patient stations, 2-button pull-cord stations, and duty stations
- Easy to wire plug-on pigtailed connectors
- Lightweight plastic housing protects the electronics
- Slim package design with modern look

Description

TekTone's PM120 Room Controller is used in locations where the visual indication of a corridor dome light is not needed. The PM120 provides the interface to a duty station, patient station, and two-button pull-cord stations. The PM120 also provides communication to and from the central equipment module. The PM120 is designed to be installed and mounted where it best fits the system design.

Required Components

NC120 Central Equipment Module
SF121 Single Patient Station, SF122 Dual Patient Station,
SF123 Customizable 2-Button Pull-Cord Station, and/or
SF125 Duty Station

Optional Components

NC415G3 or NC404TS Master Station



PM120 Room Controller

Specifications

- Dimensions: 4.8"H × 5.0"W × .77"D
(122 mm × 127 mm × 20 mm)
- Environment: 0°C–60°C
- Housing: Flame-retardant (UL® 94HB) plastic
- Mounting: Fits standard single- or dual-gang box with single- or dual-gang ring
- Connections: 6-pin and 8-pin pigtailed connector (harness included)

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

Features

- Provides two dry contact inputs for the Tek-CARE120, Tek-CARE400 P5+/GEN3, and Tek-CARE3000 Nurse Call Systems
- Lightweight plastic housing protects the electronics
- Slim package design with modern look
- Easy to wire plug-on pigtailed connectors

Description

Each PM123 Auxiliary Input Module provides two inputs capable of monitoring normally open dry contacts. This allows the Tek-CARE120, Tek-CARE400 P5+, Tek-CARE400 GEN3, and Tek-CARE3000 Nurse Call Systems to monitor devices such as door contacts, security panel outputs, and more.

PM123 modules may be connected to LI122UN and PM120 Room Controllers or IR42xP5/IR43xG3 stations.

There are two behaviors, *Follower* and *Acknowledge*, which are programmable using the LS450 Config Tool.

The *Acknowledge* behavior is a software-latching unput that facility staff need to acknowledge at the master station to reset. The *Follower* behavior follows the device input.

Required Components

NC120, or NC455CE Central Equipment Module
LI122UN Room Controller, PM120 Room Controller, or
IR42xP5/IR43xG3/IR33x Stations

Optional Components

NC415G3 or NC404TS Master Station



PM123 Auxiliary Input Module

Specifications

- Dimensions: 4.8"H × 5.0"W × .77"D
(122 mm × 127 mm × 20 mm)
- Environment: 5%–95% non-condensing humidity;
0°C–60°C
- Housing: Flame-retardant (UL® 94HB) plastic face-plate
- Mounting: Fits standard single- or dual-gang box with single- or dual-gang ring.
- Connections: 6-wire plug-on pigtailed connector

Listings



RoHS Compliant.

Features

- One or two ¼" call cord jacks (push-button and geriatric call cords are available)
- Illuminated reset button
- Dummy plugs available
- Call-assurance LEDs for each call cord jack
- UL/cUL[®] 1069 and UL[®] 2560 Listed
- RoHS Compliant

Description

The SF121 Single and SF122 Dual Patient Stations include one or two ¼" jacks for call cords, one or two call-assurance LEDs, and a single button to reset calls. Pressing the call cord's button registers a call at the NC415G3/NC404TS Master Station and LI122UN Room Controller with Dome Light.

Similarly, a call is registered if the call cord is accidentally removed from the call cord jack. Using an optional dummy plug prevents the station from placing a cord-out call.

Mount the station using an IH121K Single Station Mounting Kit, or mount two stations together using an IH122K Dual Station Mounting Kit. The station snaps into the kit's plastic bezel and then onto the kit's surface mounting plate, leaving no visible screw holes.

Required Components

IH121K Single Station or IH122K Dual Station Mounting Kit
LI122UN Room Controller with Dome Light, or PM120 Room Controller, or IR42xP5-series Stations
SF301A-series, SF301B, or SF301G-series call cords

Optional Components

JK018K Five (5) Dummy Plugs
RP131K Single-Gang Blank Plate (5 each)
NC415G3 or NC404TS Master Station



SF121 Single & SF122 Dual Patient Stations

Specifications

- Dimensions: 4.58"H × 3.25"W × 1.03"D
(116 mm × 83 mm × 26 mm)
- Environment: 5%–95% non-condensing humidity;
0°C–60°C
- Construction: PC board with quality electronic components mounted on a flame-retardant (UL[®] 94V-0) plastic faceplate
- Mounting: Attach included back plate to a standard single-gang ring or dual-gang ring and box
- Connections: 2-wire flying lead

Listings



UL[®] 1069 Listed and cUL[®] Listed to CSA C22.2 No. 205; UL[®] File Number E71599.



RoHS Compliant.

Features

- UL® 1069 Listed
- Oxygen-safe
- Impact-resistant and waterproof
- Small, lightweight pendant fits comfortably in hand
- Bed clips included
- Call button makes an audible and tactile click for assurance of activation

Description

The TekTone SF301B Call Cord is for use with the Tek-CARE® nurse call systems and wireless emergency call systems where 1/4" phono jacks are used. The SF301B is an oxygen-safe call cord certified safe for use by all patients receiving oxygen therapy. These waterproof and impact-resistant call cords have completely sealed push buttons, and polyvinyl-covered cord.

Required Components

Tek-CARE®3000 Nurse Call System with SF121 or SF122 Patient Stations
Tek-CARE®400 GEN3 Nurse Call System with SF121 or SF122 Patient Stations
Tek-CARE®500 Wireless Nurse Call System with SF521UL
Tek-CARE®120 Nurse Call System with SF121 or SF122 Patient 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



UL® 1069 Listed; UL® File Number E165723.



SF301B Call Cord

Specifications

Dimensions:	SF301B:	7' long
	SF301B/10:	10' long
	SF301B/20:	20' long
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

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

The SF301G Call Cord is 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.

Required Components

Tek-CARE®3000 Nurse Call System
with SF121 or SF122 Patient Stations

or

Tek-CARE®400 GEN3 Nurse Call System
with SF121 or SF122 Patient Stations

or

Tek-CARE®500 Wireless Nurse Call System
with SF521UL or SF523UL Room Stations

or

Tek-CARE®120 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



SF301G Call Cord

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)

Listings



UL® 1069 Listed and cUL® Listed to CSA
C22.2 No. 205; UL® File Number E71599.

Features

- Four standard button insert labels with five standard call types to choose from
- Custom insert labels can be made with the label maker and custom call types can be built using the Config Tool
- Use push button or pull cord to place a call.
- Choose whether to include pull cord during installation
- Illuminated faceplate
- Call assurance LED flashes when call is placed
- Water resistant with gasket for wet environments and easy cleaning

Description

The SF123 Customizable 2-Button Pull-Cord Station includes a call button, optional pull cord, an LED for call indication, a reset button, and an illuminated faceplate. The optional pullcord is six-feet long and can be adjusted to a smaller length as needed. The optional RP187K water-resistant seals allow the stations to be used in wet environments, such as showers, baths or tub rooms. When a call is placed, it is registered at the master station, room controller with dome light, zone lights, and duty station.

Standard call types include emergency, emergency 2, code blue, bath, and room level reset/check-in. The included inserts slide in to identify the buttons. Custom button call types and inserts can be created using the LS450 Config Tool software.

Mount the station using an IH121K Single Station Mounting Kit, or mount two stations together using an IH122K Dual Station Mounting Kit. The station snaps into the kit's plastic bezel and then onto the kit's surface mounting plate, leaving no visible screw holes.

Required Components

IH121K Single Station or IH122K Dual Station Mounting Kit
Tek-CARE®120, 400P5+/400GEN3, or 3000 Nurse Call System



SF123 Customizable 2-Button Pull-Cord Station

Specifications

Dimensions:	4.58"H × 3.25"W × 1.03"D (116 mm × 83 mm × 26 mm)
Environment:	5%–95% non-condensing humidity; 0°C–60°C
Construction:	PC board with quality electronic components mounted on a flame-retardant (UL® 94V-0) plastic faceplate
Mounting:	Requires IH121K or IH122K (purchased separately) Attach included back plate to a standard single-gang ring or single-gang ring and box.
Connections:	2-wire flying lead

Optional Components

RP187K gaskets to install in wet environments (5 each)
RP131K Single-Gang Blank Plate (5 each)
NC415G3 or NC404TS Master Station

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

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TekTone's quality system is registered to the ISO 9001:2015 standard.

Features

- Call type is indicated by one of four colored LEDs
- A call tone sounds for the highest priority call
- UL/cUL®1069 and UL®2560 Listed
- RoHS Compliant

Description

The SF125 Duty Station annunciates calls both audibly and visually via 4 colored LEDs and a tone speaker. The various call priorities will be indicated by the LEDs and the highest level call will be annunciated by time. Watched zones are programmable via the LS450 Config Tool.

The SF125 Duty Station connects via the LI122UN Room Controller with Dome Light or the PM120 Room Controller, using 2 of the 6 connection points. Each NC120 Central Equipment Module supports up to 24 duty stations (6 duty stations per run) depending on power restrictions. Refer to the Tek-CARE® [Master Station Load Value Calculator](#) on TekTone's website for more information on power restrictions.

The station's plastic bezel snaps onto the included mounting plate, leaving no visible screw holes.

Required Components

NC120 Central Equipment Module
PM120, LI122UN Room Controller

Optional Components

NC415G3 or NC404TS Master Station



SF125 Duty Stations

Specifications

- Dimensions: 4.58"H × 6.74"W × 1.03"D
(116 mm × 171 mm × 26 mm)
- Environment: 5%–95% non-condensing humidity;
0°C–60°C
- Construction: PC board with quality electronic components mounted on a flame-retardant (UL® 94V-0) plastic faceplate
- Mounting: Attach included back plate to a standard single- or dual-gang ring, or single- or dual-gang ring and box
- Connections: 2-wire flying lead, a plus 2 screw terminals for the toner module. Uses 2 of the station module's 6 points

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

Features

- Provides one N.O. Dry Contact Output
- Exists as an SF120 peripheral on the system as does SF121, SF123, etc.
- Four programmable behaviors
- Station snaps into a single or dual bezel, combining functions into one location
- LED indicator on faceplate shows when the dry contact is engaged
- Device initiation can occur from either an associated station, zone, or master

Description

The normally open (N.O.) Dry Contact Module provides a two-pin header for a relay/device connection and another for the station connection. Upon initiation it will provide one of four programmable output behaviors; from the master station, either a 5-second on or a toggle on/off output, or at the station, a local or zone output.

The SF126DC can be mounted individually or with another SF120 peripheral, depending on the application. Use applications for the SF126DC may include:

- Triggering an input on a security alarms panel for offsite monitoring
- Activating strobes and sirens
- Activating pre-recorded messages on 3rd party equipment

Required Components

Tek-CARE120, 400P5+/GEN3, or 3000 Nurse Call Systems
IH121K Single Station Mounting Kit

-or-

IH122K Dual Station Mounting Kit



SF126DC Dry Contact Output Module (right)
shown with
SF123 Customizable 2-Button Pull-Cord
Station (left) (cord not shown)

Specifications

Dry contact rating:	24 VDC, 100 mA maximum
Connections:	Two 2-pin pigtailed connectors; one for station controller, one for dry contact
Mounting:	Attach IH121K or IH122K to a single- or dual-gang ring and box
Construction:	PC board assembly mounted on a plastic faceplate

Features

- 16 gauge stainless steel construction
- Single-gang faceplate
- Tamper-resistant spanner screws
- LED visual indicators for visual notification
- Up to six total peripherals are supported by the room station or controller

Description

The SF123V Vandal 2-Button Station has two large, low-profile, vandal resistant push buttons for Call and Cancel. The SF123V is also equipped with a call assurance LED.

The IR160V Remote Speaker/Microphone Panel provides two-way audio communication with a resident's room. The IR160V is also equipped with audio LED that illuminates with audio connection, and has a steel mesh for speaker protection.

Activating the SF336A Key Switch outside the ward enables all of the peripheral stations inside the ward, and places an Enabled call at the nurse master station. The in-use LED on the key switch indicates that the ward's staff station and emergency switches are on.

When the SF336A is activated, if a staff member requires emergency assistance, using the staff station or any of the emergency switches places a high priority call to the master station. Call placement is indicated by an LED on the staff station or emergency switch, and at the associated dome light. Call cancellation is possible only at the main station.

The SF123PSY option functions the same way as the SF123V, but is used instead when a single call button and no reset button is desired.

These devices can be used on most TekTone Tek-CARE systems (3000, GEN3, P5+, and 120 systems) as they are standard SF120 peripherals with standard SF120 connections.

Note: Use of SF123PSY with SF336A will require Tek-CARE SW version 1.46.3 or newer.



SF123V Vandal
2-Button Station



IR160V Remote
Speaker/Microphone Panel



SF123PSY Vandal
1-Button Station



SF336A Vandal
Key Switch

Required Components

Tek-CARE®3000 Nurse Call System,
Tek-CARE®400 GEN3 Nurse Call System,
Tek-CARE®400 P5+ Nurse Call System, or
Tek-CARE®120 Nurse Call System
HT007 #6 Spanner Driver

Specifications

Note: These devices require grounded backboxes. This is critical for protection against electrostatic discharge (ESD).

Note: Consider additional depth required for cable connectors.

SF123V

Dimensions: 4.5"H × 2.75"W × 2"D
(115 mm × 70 mm × 51 mm)
Construction: 16-gauge stainless-steel panel
Connections: 2-wire plug-in connectors
Mounting: Single-gang ring with a dual-gang box

SF123PSY

Dimensions: 4.5"H × 2.75"W × 2"D
(115 mm × 70 mm × 51 mm)
Construction: 16-gauge stainless-steel panel
Connections: Pigtail connections
Mounting: Single-gang ring with a dual-gang box

IR160V

Dimensions: 4.5"H × 2.75"W × 1.25"D
(115 mm × 70 mm × 32 mm)
Construction: 16-gauge stainless-steel panel
1.5" diameter (38 mm) Mylar Speaker/
Microphone
Connections: 2-wire plug-in connector or 2 8P8C jacks
Mounting: Single-gang ring with a dual-gang box

SF336A

Dimensions: 4.5"H × 2.75"W × 1.25"D
(115 mm × 70 mm × 32 mm)
Construction: 16-gauge stainless-steel panel
Connections: Plug-in connectors
Input for a latching dry contact to connect
a keypad or card reader
Mounting: Single-gang ring with a dual-gang box

Features

- Easy Installation
- Mounted on a flame-retardant (UL® 94V-0) plastic panel
- Simple, reliable operation

Description

The JK300A Monitor Call Interface is for use in applications where a simple interface is needed to connect the monitor input of an IR300-series, IR400P5-series, or IR43xG3-series station to an external contact closure. The JK300A accepts a standard ¼" phono-type jacks and places a call if a plug is removed. A ¼" dummy plug is included for use when the monitor point is not connected to an external device. The JK300/2 Monitor Call Interface provides two ¼" jacks and two dummy plugs.

Applicable Systems

Tek-CARE®3000 Nurse Call System
IR33x-series Staff/Duty, Single/Dual Patient, or
Multipurpose Stations

Tek-CARE®570 Wireless Nurse Call System
SF571 Universal Transmitter

Tek-CARE®500 Wireless Emergency Caall System
SF525UL Universal Contact Transmitter

Tek-CARE®400 GEN3 Nurse Call System
IR43xG3-series Staff/Duty, Single/Dual Patient, or
Multipurpose Stations

Tek-CARE®400 P5/P5+ Nurse Call System
IR400P5/P5+-series Multipurpose, Patient, Resident,
Check-In, Staff, or Duty Stations

Tek-CARE®400 Nurse Call System
PM123 Auxiliary Input Module
IR400-series Multipurpose, Patient, Resident, Check-In,
Staff or Duty Stations

Tek-CARE®300III Nurse Call System
IR300-series Multipurpose, Patient, Staff or Duty
Stations

Tek-CARE®120 Nurse Call System
PM123 Auxiliary Input Module



JK300A, JK300/2 Monitor Call Interface

Specifications

Dimensions:	4.5"H × 2.75"W × 1.5"D × 0.25" (114 mm × 70 mm × 38 mm × 6.5 mm)
Construction:	Reliable components mounted on a flame-retardant (UL® 94V-0) plastic panel
Connections:	Wire lead pigtails
Housing:	Single-gang electrical box or ring

Description

The ST019A is a highly reliable and cost effective magnetic reed switch used by the NC702 Door Controller to monitor door position.

The switch is low profile for unobtrusive mounting and is provided with a plastic cover to hide the wiring connections. A plastic spacer is included for mounting the permanent magnet on a steel door.

The ST019A has a standard gap of 1" between the switch and permanent magnet.

Note that for use with the Tek-CARE®700 Wander Management System, the switch must be wired for Normally Open (N.O.) operation.

Applicable Systems

Tek-CARE®700 Wander Management System
NC702 Door Controller

Tek-CARE®570 Wireless Nurse Call System
SF571 Universal Transmitter

Tek-CARE®500 Wireless Emergency Call System
SF525UL Universal Contact Transmitter

Tek-CARE®400GEN3 Nurse Call System
PM123 Auxiliary Input Module

Tek-CARE®3000 Nurse Call System
PM123 Auxiliary Input Module

Optional Components

NC475 Tek-CARE® Appliance Server with LS700K
Tek-CARE®700 Connectivity License
LS610-series Tek-CARE® Reporting
LS623-series Event Monitors



ST019A Magnetic Switch

Specifications

Dimensions: 1.0"H × 2.55"W × 0.63"D
(25 mm × 64 mm × 16 mm)

Contact

Rating: 100 mA Max @ 28 VDC

Cable: 22-gauge, 2-conductor

Mounting: Surface Mount (screws included)

Listings



UL634 Standard; Honeywell File Number
BP547.

TekTone® has designed Tek-CARE®700 to work as a system. Its server has been carefully designed and matched to work with Tek-CARE700 peripherals. TekTone will not warrant or support components of Tek-CARE700 that are purchased separately unless the components are add-ons to previously sold systems. TekTone will also not warrant or support a system that is a mix of TekTone and non-TekTone parts, unless prior permission has been obtained. In order to track our systems and to inform facilities of software upgrades, full site information (site name, address and phone number) will be required when ordering. Site information and Tek-CARE server warranty numbers will also be required when requesting technical support.

Features

- Enables single mounting of SF-series stations on the Tek-CARE Nurse Call Systems

Description

The IH121K Single Station Mounting Kit allows a single SF-series station to be mounted in a single housing. An IR160, SF121, SF122, SF123, or SF124 station may be installed in the IH121K to satisfy the needs of the facility.

The plastic bezel snaps onto the included mounting plate, leaving no visible screw holes. The pull-switch slider and pull-string are included in the kit. The IH121K is packaged with a locking screw for added security.

Required Components

IR160 Audio Station
SF121 Single Patient Station
SF122 Dual Patient Station
SF123 Customizable 2-Button Pull-Cord Station
SF124 Staff Peripheral Station

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.



IH121K Single Station Mounting Kit
(shown without pull-string and slider)

Specifications

Dimensions: 4.58"H × 3.25"W × 1.03"D
(116 mm × 83 mm × 26 mm)
Environment: 0°C–60°C
Construction: Flame-retardant (UL® 94V-0) plastic face-plate
Mounting: Attach included back plate to a standard single-gang ring, or single-gang ring and box

Features

- Enables dual mounting of SF-series stations on the Tek-CARE Nurse Call Systems

Description

The IH122K Dual Station Mounting Kit allows two SF-series stations to be mounted in a single housing. Any combination of two IR160, SF121, SF122, SF123, and SF124 stations may be installed in the IH122K to satisfy the needs of the facility.

The plastic bezel snaps onto the included mounting plate, leaving no visible screw holes.

Optional Components

IR160 Audio Station
SF121 Single Patient Station
SF122 Dual Patient Station
SF123 Customizable 2-Button Pull-Cord Station
SF124 Staff Peripheral Station



IH122K Dual Station Mounting Kit

Specifications

Dimensions:	4.58"H × 6.74"W × 1.03"D (116 mm × 171 mm × 26 mm)
Environment:	0°C–60°C
Construction:	Flame-retardant (UL® 94V-0) plastic faceplate
Mounting:	Attach included back plate to a standard single- or dual-gang ring, or single- or dual-gang ring and box

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.



RoHS Compliant.

Features

- Proprietary nurse call appliance server running the Tek-CARE OS. The Tek-CARE Appliance Server is available in two different variants:
 - The NC475 is a headless appliance server
 - The NC475DESK is supplied with a 24" touch-screen monitor (size may vary) and wireless keyboard and mouse
- Functions as a tone-visual master station for the Tek-CARE500 and Tek-CARE570 systems
- Includes paging software module for automatic and manual pages to staff
- Software module options include event monitoring, reporting, Staff App, Apple TV displays, email output, and more
- Two network interface ports provide connections to the Tek-CARE Network and facility LAN
- Six RS232 serial ports provide connections for a paging transmitter, a central monitoring interface, and Tek-CARE500 and Tek-CARE570 Receivers

Description

The NC475 Tek-CARE Appliance Server provides the platform to install and run various software modules for Tek-CARE communications platform. The Tek-CARE Appliance Server is designed to be desk mounted or installed in a rack mount application. Rack mount ears and mounting screws are included and when rack mounted, uses 2U of rack space.

The Tek-CARE Appliance Server also supplies ports for the Tek-CARE Network and the facility's LAN, the radio pocket paging system's paging transmitter, Tek-CARE 300III Integration, the NC570, NC510UL, NC510ES, and NC510 FA Receivers.

The LCD screen on the Tek-CARE Appliance Server displays any calls and faults active on the nurse call system. The LED indicators to the left of the LCD provide power, fault, and call status at a glance. A simple configuration menu is also accessible from the front display.

The NC475DESK can function as a tone-visual master for the Tek-CARE platform. Calls, faults, and basic system configuration options are available, but audio communication is not available from the NC475 or NC475DESK. For audio communication, purchase the appropriate master station for your Tek-CARE system.



NC475DESK

Specifications

Dimensions:	NC475: 2.5"H × 13.45"W × 7.875"D (64 mm × 342 mm × 199 mm)
Monitor:	14"H × 21.3"W × 1.9"D (356 mm × 541 mm × 48 mm)
Power:	AC/DC Power Adapter included
Input:	100-240 VAC, 2A, 50/60Hz
Output:	12 VDC, 5A, 60W Max
Battery Backup:	TekTone PK250B or equivalent required
Temperature:	0-40°C
Humidity:	0-95% (non-condensing)

Applicable Systems

Tek-CARE®120 Nurse Call System
Tek-CARE®300III Nurse Call System
Tek-CARE®400 P5/P5+ Nurse Call Systems
Tek-CARE®400 GEN3 Nurse Call System
Tek-CARE®500 Wireless Nurse Call System
Tek-CARE®570 Wireless Nurse Call System
Tek-CARE®600 Alert Integration Manager
Tek-CARE®700 Wander Management System
Tek-CARE®3000 Nurse Call System

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.

Software License Selections

Individually available software modules run on the Tek-CARE Appliance Server, adding ancillary features to the healthcare communications system.

System Connectivity:

- **LS120 Tek-CARE120 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE120 Nurse Call Systems.
- **LS301 Tek-CARE300II & LS300 Tek-CARE300III connectivity license** enables the Tek-CARE Appliance Server to import events.
- **LS400 Tek-CARE400 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE400 Nurse Call Systems.
- **LS460 Tek-CARE Media Gateway connectivity license** provides integration between the Tek-CARE Network and VoIP telephone systems. This includes 4 audio paths. LS465 adds 4 additional audio paths.
- **LS500 Tek-CARE500 connectivity license** enables the Tek-CARE Appliance Server to import events from FA, ES, and UL version Tek-CARE500 Wireless Nurse Call Systems.
- **LS570 Tek-CAREconnectivity license** enables the Tek-CARE Appliance Server to import events from the Tek-CARE570 Wireless Nurse Call System)
- **LS600 Tek-ALERT connectivity license** enables the Tek-CARE Appliance Server to import events from other systems, such as nurse call and fire alarm. (One LS600 required per interface.)
- **LS700K Tek-CARE700 connectivity license with Starter Kit** enables the Tek-CARE Appliance Server to import events from our wander management system. It includes the NC708 Starter Kit with ID-TAD, testing tag, #6 spanner hex bit, and programming adapter for door controllers.

Event Monitors & Reporting:

- **LS610-series Reporting** records all activity on the Tek-CARE Appliance Server, and provides custom reports on this activity for followup review and evaluation by management. Reports are viewed using a web browser by any computer networked to the Tek-CARE Appliance Server. They may also be printed, saved as HTML files for later viewing in a web browser, or saved as a CSV files for viewing in a spreadsheet program (such as Microsoft Excel).

When LS453 Email Output software is combined with LS610-series Reporting, reports can be sent automatically via email. Available in packages for 100 points (LS610/1), 500 points (LS610/5), 1000 points (LS610/10), 2500 points (LS610/25), 5000 points (LS610/50), and 10000 points (LS610/100). A point is one Tek-CARE120 or Tek-CARE400 addressable device, Tek-CARE500 transmitter, Tek-ALERT device ID, or Tek-CARE700 tag.

- **LS623-series Event Monitor for Windows** displays activity from all connected systems. This software is installed on the Tek-CARE Appliance Server, plus up to 255 personal computers networked to the Tek-CARE Appliance Server. (PCs must be running Microsoft Windows.) Available in packages of one license (LS623/1), five licenses (LS623/5), 10 licenses (LS623/10), or 25 licenses (LS623/25).

ADT Interface:

- **LS452 ADT Interface** receives Admit, Discharge and Transfer information from the facility's hospital information system (HIS)—including patient name, room number, bed number and doctor name—and inserts it into the corresponding fields in the Tek-CARE system's patient database. Information in these fields is then visible to facility staff on touchscreen master stations.

Email Output:

- **LS453 Email Output** enables email addresses to be added as staff devices. The software sends calls and other events via email to the assigned staff members. Events can also be sent to anything that has an email gateway—for example, sending an SMS message to a cell phone.

Tek-CARE Staff App:

- **LS620/LS630 Tek-CARE non-voice/voice App Server license** enables the Tek-CARE Appliance Server to send events via the facility's Wi-Fi to mobile devices running the LS621/LS631-series app.
- **LS621/LS631-series Tek-CARE non-voice/voice Staff App** enables mobile iOS and Android devices to act as portable event monitors. Up to 255 iOS and/or Android devices running the Tek-CARE app can be active on the system at one time. Install licenses on the Tek-CARE Appliance Server, and download the app from the Apple Store. See the IL1020 specification for device requirements. Available in packages of one license (LS621/1 or LS631/1), five licenses (LS621/5 or LS631/5), 10 licenses (LS621/10 or LS631/10), 25 licenses (LS621/25 or LS631/25), 50 licenses (LS621/50 or LS631/50), 100 licenses (LS621/100 or LS631/100), and 200 licenses (LS621/200 or LS631/200).

Tek-CARE TVs:

- **LS622-series Tek-CARE TV for the Apple TV App licenses** enables a 4th Generation (or newer) Apple TV with an HDMI connected widescreen TV or monitor to act as an event monitor. Up to 10 Apple TVs can be active on the system at one time. Install licenses on the Tek-CARE Appliance Server. Available in packages of one license (LS622/1), five licenses (LS622/5), 10 licenses (LS622/10), 25 licenses (LS622/25), 100 licenses (LS622/100), and 200 licenses (LS622/200).

Features

- Provides interface between telephone line and the NC475 Tek-CARE Appliance Server
- RoHS Compliant
- Allows central monitoring to be added to Tek-ALERT and Tek-CARE systems
- Call information provided for the monitoring station using Contact ID® protocol
- SIA Digital Communication Standard - Ademco® Contact ID Protocol for Alarm System Communications

Description

The NC503 Central Monitoring Modem allows central monitoring to be added to the Tek-ALERT® Alert Integration Manager or to a Tek-CARE® nurse call or emergency call system. The NC503 provides an interface between the system's Tek-CARE Appliance Server and a telephone line in order to send alarm messages to a central monitoring station.

The NC503 Central Monitoring Modem is connected to the Tek-CARE Appliance Server via a standard straight serial cable, and is connected to a telephone wall jack using a standard 6-position/2-wire telephone cable. The NC503 includes the auto dialer, a straight serial cable, a power adapter with cord, and a telephone cable.

Applicable Components

NC475 Tek-CARE Appliance Server running Tek-CARE Software version 1.16 or greater, plus one or more:

- Tek-CARE®120 Nurse Call System
- Tek-CARE®300 II/III Nurse Call System
- Tek-CARE®400 P5 & P5+ Nurse Call Systems
- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®500 Wireless Nurse Call System
- Tek-CARE®700 Wander Management System
- Tek-CARE®3000 Nurse Call System
- Tek-ALERT® Alert Integration Manager



NC503 Central Monitoring Modem

Specifications

Dimensions:	0.88"H × 4"W × 6"D (22 mm × 102 mm × 152 mm)
Power:	9 VAC, 1000 mA power adapter
Environment:	0°C–60°C
Connections:	Plug-in type
Isolation:	Mechanical relay, Opto-isolator and telephone coupling transformer
Housing:	High-strength plastic

Listings



RoHS Compliant.

Features

- Improves staff awareness and efficiency
- Calls can be filtered and zoned
- App-to-station and app-to-master audio support
- Send and receive text messages
- View resident information
- Call tone sounds for the highest priority call

Description

The LS621/LS631-series Tek-CARE Staff App is a powerful tool for facility staff that improves resident care and satisfaction while giving staff members improved situational awareness and improving the efficiency of your care staff.

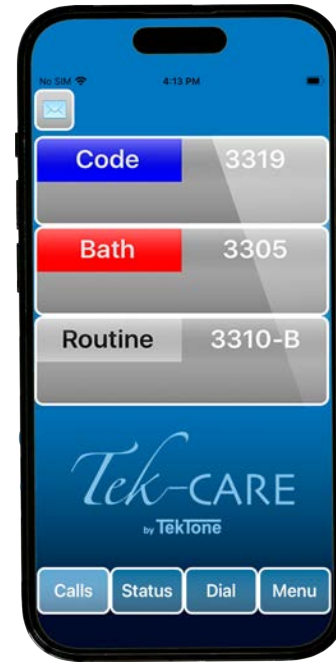
The Tek-CARE Staff App requires an NC475 Tek-CARE Appliance Server to be installed as part of the Tek-CARE system. Both the NC475 and the device running the Tek-CARE Staff App must be networked together on the same facility LAN.

In order to enable Tek-CARE Staff App functionality on the Tek-CARE system, contact TekTone Sales and purchase the LS620 App Server and LS621-series licenses as required for non-voice. Purchase the LS630 voice-based App Server and LS631-series licenses as required for the audio and voice-based option. The LS621/LS631 licenses can be purchased in packs of 1, 5, 10, 25, 50, 100, and 200.

When a patient calls the staff from a room station, the assigned staff member can answer immediately and speak directly with the patient using the Staff App with LS631 voice-based licensing on a configured mobile device.

The Tek-CARE Staff App operates as a staff device on the Tek-CARE system, allowing each individual app to be configured for a particular staff member's needs.

Up to 255 Tek-CARE Staff Apps can be used concurrently on a single system.



LS621/LS631 Tek-CARE Staff App

Specifications

Connections: Wi-Fi connection to facility LAN.

Required Components

NC475 Tek-CARE Appliance Server
Mobile iOS Devices currently supported by Apple (The Tek-CARE Staff App requires devices running iOS 10.3 or later.)
Mobile Android Device (Devices must run Android 4.1 or later.)
LS620 Tek-CARE App Server license, non-voice.
or
LS630 Tek-CARE App Server license, voice.

Features

- Can be placed anywhere in the facility with network connectivity
- Calls can be filtered and zoned
- Resident info can be removed for HIPPA compliance
- A call tone sounds for the highest priority call

Description

The LS622-series Tek-CARE App for TV is designed to be used as a cost-effective and attractive event monitor for the Tek-CARE system. The Tek-CARE TV App can be downloaded from the App Store free of charge.

The LS622-series Tek-CARE App for TV requires a 4th Generation or newer Apple TV. The Apple TV can be purchased from any major electronic retailer.

The Apple TV requires an NC475 Tek-CARE Appliance Server to be installed as part of the Tek-CARE system. Both the NC475 and the Apple TV running the Tek-CARE TV must be networked together on the same LAN.

In order to enable the Apple TV functionality on the Tek-CARE system, contact TekTone Sales and purchase the LS622/x software license. The LS622 can be purchased in packs of 1, 5, 10, 25, 100, and 200.

The Apple TVs with the LS622/x license can be zoned to display calls from desired zones to improve staff awareness and efficiency. In situations where the monitor is visible to facility visitors, the app can also be set to not display resident names.

Up to 255 Apple TVs with the LS622/x license can be installed on a single system.



LS622-series Tek-CARE App for TV



4th Generation Apple TV

Specifications

Connections: Ethernet or Wi-Fi connection to facility LAN.

Required Components

- NC475 Tek-CARE Appliance Server
- 4th Generation (or newer) Apple TV and compatible display

Features

- Metal-case device
- 8P8C Ethernet ports
- Compliant with IEEE 802.3 standards
- Wall mountable or desktop installation options
- No configuration, Plug-and-Play installation



NC554/8 Network Switch

Description

The NC554/8 (8-port) Network Switch is used to create the Tek-CARE® Network. This network provides data transmission between Tek-CARE nurse call systems, the Tek-ALERT® Alert Integration Manager, and the NC475 Tek-CARE® Appliance Server from the Tek-CARE central equipment (CE) to master stations, enabling some ancillary features that are too data-intensive for just one CE connection.

The network switch is used in these scenarios:

- Connect multiple master stations, an NC475 Tek-CARE Appliance Server and/or a laptop computer to the single network port on a GEN2 module.
- Each Ethernet cable segment can be up to 328 feet (100 meters). Use multiple network switches between GEN2 master stations and the CE to extend the distance to a maximum of 1000 feet (305 meters).
- Increase distance between CE modules using NC554/8 network switches and NC556 Ethernet to Fiber Converters.
- Add multiple foreign devices by connecting their CT601 Serial to IP Converters to the NC475 Tek-CARE Appliance Server.

These fast Ethernet switches automatically detect the type of network (auto negotiation) and type of cable (auto MDIX) and configure themselves, making for a Plug-and-Play networking solution.

The NC554/8 Network Switch allows up to 7 Ethernet devices to connect to the Tek-CARE Network.

Specifications

Dimensions:	6.2"W × 4"L × 1"D (158 mm × 101 mm × 25 mm)
Standards:	IEEE 802.3ab, 802.3i, 802.1p, 802.3u, and 802.3x
External Ports:	8 Female 8P8C
Cable Length:	328' (100 m) maximum
Enclosure Type:	Steel housing
LED Indicators:	Power, plus 1 Link/Activity per 8P8C port
Power Adapter:	Included
Environment:	0°C–40°C (32°F–104°F), 10%–90% Relative Humidity

Features

- Compliant with IEEE 802.3 (10Base-T), 802.3u (100Base-FX) standards, and 802.3u (100Base-TX) standards
- Wall mountable or desktop installation options
- No configuration, Plug-and-Play installation

Description

The NC556 Ethernet to Fiber Converter is used when Ethernet connections in any Tek-CARE® nurse call system must be extended over 100 meters. The NC556 Ethernet to Fiber Converter is particularly useful for large campuses or in instances when the Tek-CARE central equipment cabinets are located in multiple buildings and must be interconnected to create a single system.

The NC556 Ethernet to Fiber Converter does not require setup or configuration—it is a truly plug-and-play device and is operationally transparent to the nurse call system. Potential uses for the NC556 include linking Tek-CARE central equipment cabinets, connecting a NC475 Tek-CARE Appliance Server to a remote Tek-CARE central equipment cabinet, or extending the Tek-CARE Network to NC404TS Master Stations.

The NC556 supports a maximum fiber optic cable length of 2 kilometers (1.2 miles). The NC556 is designed for SC-terminated multimode fiber optic cable. The fiber converter fully complies with applicable IEEE 802.3 standards. It is UL® 1069 listed for use with the Tek-CARE nurse call system.

A 12 VDC power transformer is included. As an integral part of the nurse call system, the NC556 Ethernet to Fiber Converter must be connected to a Uninterruptible Power Supply and life safety electrical circuit.

TekTone® recommends that the NC556 Ethernet to Fiber Converter be installed by a technician who is experienced in making multimode fiber connections.

Listings



UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599. Evaluated to UL60950-1 Standard.



NC556 Ethernet to Fiber Converter

Specifications

Dimensions:	3.7"H × 3.0"W × 0.8"D (94 mm × 76 mm × 20 mm)
Local unit connectors:	1- 8P8C Female
Remote unit connectors:	1- Fiber Optic SC Female
Max data transfer rate:	10/100 Mbps
Max transfer distance:	2 km (1.2 miles)
Fiber type:	Multi Mode
Wavelength:	1310 nm
Power consumption:	200 mA @ 12 VDC
Enclosure type:	Plastic
Environment:	0°C - 50°C (32°F - 122°F), 10% - 90% Relative Humidity

Applicable Systems

Tek-CARE®120 Nurse Call System
Tek-CARE®400, P5/P5+/GEN3 Nurse Call Systems
Tek-ALERT® Alert Integration Manager
Tek-CARE®500 Wireless Nurse Call System
Tek-CARE®700 Wander Management System
Tek-CARE®3000 Nurse Call System

Features

- Provides uninterrupted power
- Distinctive alarms for on battery and battery low

Description

The PK250B Uninterruptible Power Supply (UPS) provides uninterrupted power in the event of utility power failures, brownouts and blackouts. It is for use with the NC356CE Central Equipment (CE) Module, NC455CE Central Equipment (CE) Module, NC503 Central Monitoring Dialer, and the NC475 Tek-CARE Appliance Server. Its economical cost and compact size will enhance the operation of your system.

When power is interrupted, the PK250B immediately cuts in to provide square wave power for any connected hardware until an emergency generator is activated or power is restored. In the event of a prolonged power outage, the PK250B will provide power to the limit of its battery. Battery backup for the NC475 Tek-CARE Appliance Server is rated for 10 minutes.

The unit has distinctive alarms for *on battery* and *battery low*. Other features include output receptacles for connection of equipment, and power cord for a standard 120 volt, 15 AMP power circuit.

Applicable Components

NC356CE Central Equipment Module (Tek-CARE300III Nurse Call System)
NC455CE Central Equipment Module (Tek-CARE400 P5+/GEN3, Tek-CARE3000 Nurse Call Systems)
NC475 Tek-CARE® Appliance Server



PK250B Uninterruptible Power Supply (UPS)

Specifications

Dimensions: 5.5"H × 10.8"W × 4.1"D
(139.7 mm × 274.3 mm × 104.1 mm)

Battery:

Type: Sealed, maintenance-free lead-acid
Capacity: 600 VA / 330 W
Voltage: 115 VAC +/-8%
Frequency: 50 or 60 Hz +/-0.1% (auto-sensing)
Connections: 5x 115 VAC battery backup + surge
2x 115 VAC surge protection only
1x USB battery backup + surge

Input:

Voltage: 120 VAC
Frequency: 50 or 60 Hz
Connection: 5' cord with right angle plug

Listings



FCC Part 15 Class B, FCC Part 68, TUV, UL® 1778, UL® 2560.

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 1/4-wave BNC-terminated antenna to provide coverage that meets most requirements.

Required Components

NC397A Pagers plus one of these systems:

- Tek-CARE®3000 Nurse Call System
- 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 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.

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®3000 Nurse Call System
- 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 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.