# TekTone®

COMMUNICATIONS FOR TODAY ... AND TOMORROW.

# Tek-CARE®160
## Nurse Call System

### Submittal Package
as of 3/12/24

## Features

- Each NC160 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)

- Enables the use of IR160 Audio Stations and master stations

- Network up to 20 Tek-CARE modules together on the Tek-CARE system

- 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 NC160 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 NC160 CE Module includes two field-replacable back-up batteries that provide system power during the facility's switchover to emergency generator power.

TekTone's LS450 Config Tool software is also included with purchase of an NC160 module.
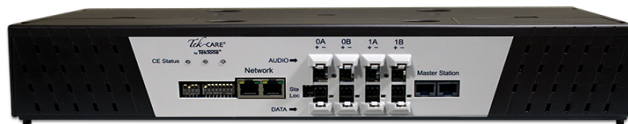
## Listings

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

RoHS Compliant.



NC160 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 |
| Wiring: | TekTone recommends Belden 5300UP cable or equivalent for the audio bus on the Tek-CARE160 system |

## Required Components

LI122UN Room Controller with Dome Light or PM120 Room Controller
NC415G3 or NC404TS Master Station
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
NC475 Tek-CARE Appliance Server
PM123 Auxiliary Input Module
IR160 Audio Station

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

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

## Features

- Master station console option for systems using GEN2 central equipment modules (NC120, NC160, NC356CE, and NC455CE). See NC404TS for another master option
- A touchscreen is provided for user interface making it simple to navigate calls or menus
- Use for both audio/visual and tone/visual applications
- Button directory tabs are provided and are inserted depending on the system type
  - Typically for Audio/visual systems: TALK, RESET, & TONE OFF (routine level call only)
  - Typically for Tone/visual systems: BLANK, RESET, & TONE OFF (routine level call only)



**NC415G3 with TA415L Handset**



**NC415G3 with IH415LD Desk Mount Housing**

## Description

The NC415G3 provides for push to talk audio control for audio capable systems, but 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 the other TekTone products including the NC404TS, NC403TS, and Tek-CARE Apps allowing staff to view calls on the same familiar screen across devices on the same system. 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.

## 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 |
| Electrical Rating: | 24 V, 30 VA (AC or DC) |
| 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

GEN2 modules on the Tek-CARE platform

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
- Full-duplex audio connections between master stations and P5/P5+/GEN3 patient stations
- Fully supervised
- Displays calls, icons, maps, station information, resident information, and much more
- Provides audio connection to patient stations connected to the Tek-CARE Network
- Desk or wall mountable. Wall mount uses a standard VESA mounting system. Wall mounts provided by contractor
- Programmable using our exclusive Config Tool software via laptop connected to the Tek-CARE Network
- The NC404L is UL®/cUL® 1069 and UL® 2560 Listed



NC404TS Master Station

## Description

The NC404TS is a full-featured touchscreen master station designed for use on the Tek-CARE system. The NC404TS provides UL-approved call annunciation, audio connection, and interaction with the Tek-CARE system. The NC404TS may be zoned to display all calls from a system, or a custom subset of call types and stations or transmitters.

The NC404TS is designed to be responsive and intuitive. Calls are automatically sorted by priority and duration, with the highest priority calls being displayed first. If the handset is lifted to answer a call, the highest priority call is answered unless another call has been manually selected. System statuses, staff requests, and staff calls may also be placed from the NC404TS master station.

In addition to a call list view, a map view and icon view are also available if desired.

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

## Required Components

GEN2 Modules and compatible stations
NC475 Tek-CARE Appliance Server
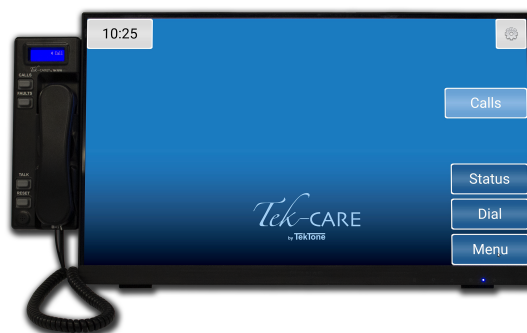
## Specifications

| | |
|---|---|
| Dimensions: | Monitor: 14"H × 21.3"W × 1.9"D (356 mm × 541 mm × 48 mm) |
| | NC404L Handset: 8.28"H × 2.86"W × 2.1"D (210 mm ×72 mm × 53 mm) |
| Construction: | PC board with quality electronic components |
| Input power: | 120 VAC at 50Hz–60Hz (touchscreen monitor) 12 VDC (NC403NOTS component) P5 Bus Power (NC404L component) |
| Temperature: | 0°–70°C |
| Humidity: | 5–95% (non-condensing) |

## Listings

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

 RoHS Compliant.

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Tek-CARE Nurse Call Systems • Rev. 4 - 3/2024

## Features

- 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



NC403TS Tek-CARE Monitor

## 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 Tek-CARE Monitor is connected to the Tek-CARE system via the facility's local area network (LAN). A CL234 wall-mount bracket may be purchased separately and used in conjunction with a VESA designed TV/Monitor wall- mount bracket.

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.

## Specifications

| | |
|---|---|
| Demensions: | 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

## Optional Components

CL234 Wall-Mount Bracket

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## 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.

## Listings

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

RoHS Compliant.

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) |

## Required Components

NC120 or NC160 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

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Tek-CARE120/160 Nurse Call System • Rev. 4 - 3/2022

## 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/TC160 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 standalone mounting.

## Listings

RoHS Compliant.

Shown: CT160K (CT160 in mounting hardware)

## Specifications

| | |
|---|---|
| Dimensions in housing: | 4.8"H × 5.0"W × .77"D (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 |

## Required Components

Tek-CARE® 120/160 Nurse Call System

For Data:
NC120/160 CE Module
PM120, LI122UN Room Controllers

For Audio:
NC160 CE Module
IR160 Audio Stations

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**Tek-CARE120 and 160 Nurse Call Systems • Rev. 9 - 7/2023**

## 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.

## Listings

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

RoHS Compliant.



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) |

## Required Components

NC120 or 160 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

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## Features

- Provides two dry contact inputs for the Tek-CARE120/160 and Tek-CARE400 P5+/GEN3 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-CARE120/160, Tek-CARE400 P5+, and Tek-CARE400 GEN3 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, NC160, or NC455CE Central Equipment Module LI122UN Room Controller, PM120 Room Controller, or IR42xP5/IR43xG3 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.

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## Features

- Provides two-way audio into resident rooms
- LED illuminates when an audio connection is open
- UL/cUL® 1069 and UL® 2560 Listed
- RoHS Compliant

## Description

The IR160 Audio Station is designed to be installed in a resident living area where two-way audio communication is required.

Up to four IR160s may be associated with a single station ID using the LS450 Config Tool software.

Mount the station using an IH121K Single Station Mounting Kit, or mount an IR160 Audio Station and a call-placement station 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.
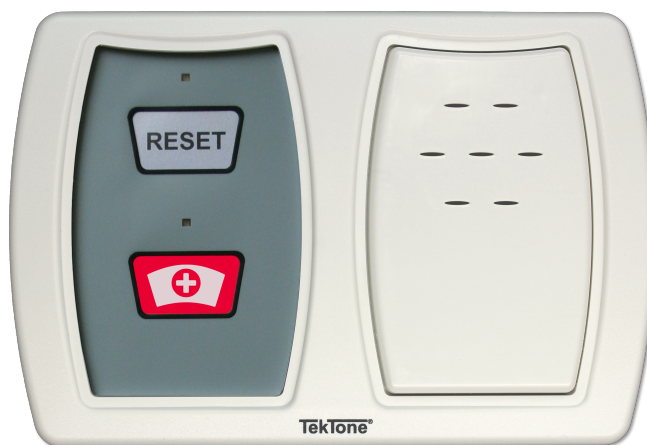
## Listings

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

RoHS Compliant.

## Required Components

IH121K Single Station Mounting Kit -and/or-
IH122K Dual Station Mounting Kit
NC160 Central Equipment Module
LI122UN Room Controller with Dome Light
-and/or-
PM120 Room Controller
NC415G3 Master Station -and/or-
NC404TS Master Station

IR160 Audio Station (Right) shown with SF123 Customizable 2-Button Pull-Cord Station (Left)
(cord not shown)

## 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 IH121K or IH122K back plate to a standard single-gang ring or single-gang ring and box |
| Connections: | 4-wire flying lead (1 pair for Room Controller, 1 pair for Audio Bus) -or- 1 pair from flying lead connector and CAT5e or better cable for audio pair using optional 8P8C connectors |

## Optional Components

RP131K Single-Gang Blank Plate (5 pack)
SF121 Single Patient Station
SF122 Dual Patient Station
SF123 Customizable 2-Button Pull-Cord Station

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## 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 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.

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## 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 comlpetely sealed push buttons.



SF301A, SF302 Call Cord

## 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

## 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 |

## Listings



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

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## 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

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**Tek-CARE Nurse Call Systems • Rev. 12 - 10/2023**

## 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



SF123 Customizable 2-Button Pull-Cord Station

## 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 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, 160, P5+, or GEN3 Nurse Call System

## 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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Tek-CARE120 and 160 Nurse Call Systems • Rev. 9 - 7/2023

## 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 or NC160 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.
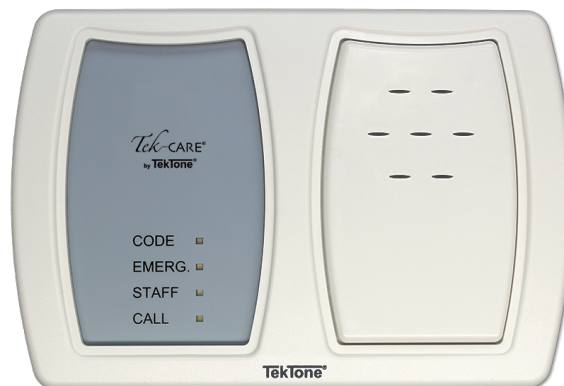
## Listings

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

RoHS Compliant.

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 |

## Required Components

NC120 or NC160 Central Equipment Module
PM120, LI122UN Room Controller

## Optional Components

NC415G3 or NC404TS Master Station

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## 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.

## 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 |

## Required Components

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

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## 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.

## Listings

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

RoHS Compliant

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 |

## Optional Components

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

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## 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-CARE Nurse Call System Tek-CARE120/160/400 (P5+ or GEN3)
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 (GEN3, P5+, 160, 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®400 GEN3 Nurse Call System,
Tek-CARE®400 P5+ Nurse Call System,
Tek-CARE®160 Nurse Call System, or
Tek-CARE®120 Nurse Call System
HT007 #6 Spanner Driver

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![TekTone logo - COMMUNICATIONS FOR TODAY ... AND TOMORROW.]

Tek-CARE and Tek-ALERT Systems • Rev. 2 - 9/2023

## 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

## 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®120/160 Nurse Call Systems
- 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-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.

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Tek-CARE Nurse Call and Tek-ALERT Alert Integration Systems • Rev. 13 - 3/2024

## 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 and 160 Nurse Call Systems
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

## Listings



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# 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.
- **LS160 Tek-CARE160 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE160 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-CARE120/160, 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).

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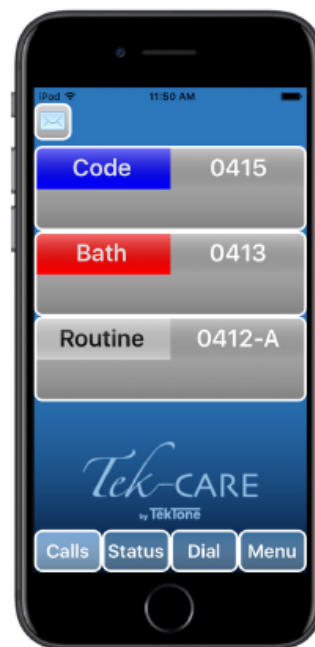
The Tek-CARE Staff App requires an NC475 Tek-CARE Appliance Server to be installed as part of the Tek-CARE system. Both the NC475 and the device running the Tek-CARE Staff App must be networked together on the same facility LAN.

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: WiFi 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.

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## 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



LS622-series Tek-CARE App for TV

## 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.



4th Generation Apple TV

## Specifications

Connections: Ethernet or WiFi connection to facility LAN.

## Required Components

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

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## 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 |

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Tek-CARE Nurse Call Systems, Tek-ALERT and Wander Management • Rev. 6 - 9/2023

## 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 or 160 Nurse Call Systems
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

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Tek-CARE Nurse Call and Tek-ALERT Systems • Rev. 26 - 10/2023

## 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.



PK250B Uninterruptible Power Supply (UPS)
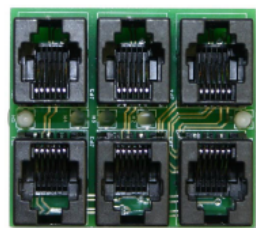
## Listings

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

## Applicable Components

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

## Specifications

| | |
|---|---|
| **Dimensions:** | 5.5"H × 10.8"W × 4.1"D<br>(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<br>2x 115 VAC surge protection only<br>1x USB battery backup + surge |
| **Input:** | |
| Voltage: | 120 VAC |
| Frequency: | 50 or 60 Hz |
| Connection: | 5' cord with right angle plug |

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![TekTone logo — COMMUNICATIONS FOR TODAY ... AND TOMORROW.]

## Features

- CT400: six 6P6C connectors
- CT400P5: six 8P8C connectors
- Use CT400 for ease of wiring IR4xx-series stations, SF480-series switches and LI484Z zone lights
- Use CT400P5 to simplify wiring from IR4xx-series stations to peripheral switches
- Use CT400P5 for ease of wiring IR4xxP5-series stations and PM424ZP5 zone light modules
- Use CT400P5 to connect two or three NC415AV or NC404TS master stations to a single port on the NC120 or 160 CE Module

## Description

The CT400 and 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.

The CT400 Splitter is used for stations that have 6P6C connectors and the CT400P5 is used for stations with 8P8C connectors for trunk cable wiring.

The CT400P5 Splitter may also be used for the peripheral bus—wiring from IR4xx-series stations to their peripheral switches.

The CT400P5 Splitter is also used for the Tek-CARE120 or 160 master bus to connect two or three master stations to a single port on the NC120/160 CE Module.

## Specifications

| | |
|---|---|
| Dimensions: | 2.0625"H × 1.625"W × 0.875"D (52 mm × 41 mm × 22 mm) |
| Connections: | six 6P6C jacks (CT400) six 8P8C jacks (CT400P5) |



CT400 6P6C Splitter, CT400P5 8P8C Splitter

## Required Components

CT400 (Commons Bus) and CT400P5 (Peripheral Bus):
Tek-CARE®400 Nurse Call System
PM453 Master & Station Module

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®120/160 Nurse Call System
NC120/160 Central Equipment Module
NC415AV or NC404TS Master Station

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Tek-CARE Nurse Call System • Rev. 15 - 10/2023

## 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.



JK300A, JK300/2 Monitor Call Interface

## Applicable Systems

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 or 160 Nurse Call Systems
PM123 Auxiliary Input Module

## 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 |

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Tek-CARE Nurse Call Systems • Rev. 17 - 9/2023

## 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.

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**Tek-CARE Nurse Call Systems • Rev. 14 - 9/2023**

## 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

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