TekTone® Tek-CARE®120 System Layout

(See installation manuals for complete wiring information.)

Tek-CARE® Appliance Server Options

- Tek-CARE® Reporting Software
- Tek-CARE TV Display Monitors
- Tek-CARE® Staff App server
- Email Output Software
- Tek-CARE®120 Connection
- Tek-CARE® NC300 II/III Connection
- Tek-CARE®500 Connection
- Tek-ALERT® Connection
- Tek-CARE® Event Monitor for Windows
- Tek-PAGING®

Central Equipment (CE) Modules

Master Station

Master Station

Room Controller, or Room Controller with 2-color Dome Light—Each has 6 connection points for up to 6 stations. Single & dual patient stations and 2-button pull-cord stations use 1 point each; duty stations each use 2 points.
Note: Use the Tek-CARE Master Station Load Value Calculator available at www.tektone.com/resources to ensure that the power capacity of each NC120 CE Module is not exceeded.

to next room controller

Duty Station

Tek-CARE® Network—Ethernet cable, 328′ max; extend with NC556 Ethernet to Fiber Converters and/or NC554/8 Network Switch. 20 CEs per network; 19 with Tek-CARE® Appliance Server.

Master Bus—CAT5 or better, 1000′ maximum per port; 2 ports per CE, 3 masters per port (use CT400P5 splitters), 2 multicolor dome lights per master (use CT400 splitters), 50′ maximum dome light wiring per NC415AV master.

Data Bus—18 AWG stranded pair or better, 1000′ maximum; 16 room controllers and 4 duty stations maximum per run, 4 runs per CE.

Station Wiring—22 AWG stranded pair, 50′ maximum for duty stations, 100′ maximum for all other stations.

IL1004 • Rev. 11 • 10/2020

TekTone® Tek-CARE®160 System Layout

(See installation manuals for complete wiring information.)

Central Equipment (CE) Modules

18/2 UTP

Master Station

Master Station

Tek-CARE® Appliance Server Options

- Tek-CARE® Reporting Software
- Tek-CARE TV Display Monitors
- Tek-CARE® Staff App server
- Email Output Software
- Tek-CARE®120 Connection
- Tek-CARE®300 II/III Connection
- Tek-CARE®500 Connection
- Tek-ALERT® Connection
- Tek-CARE® Event Monitor for Windows
- Tek-PAGING®
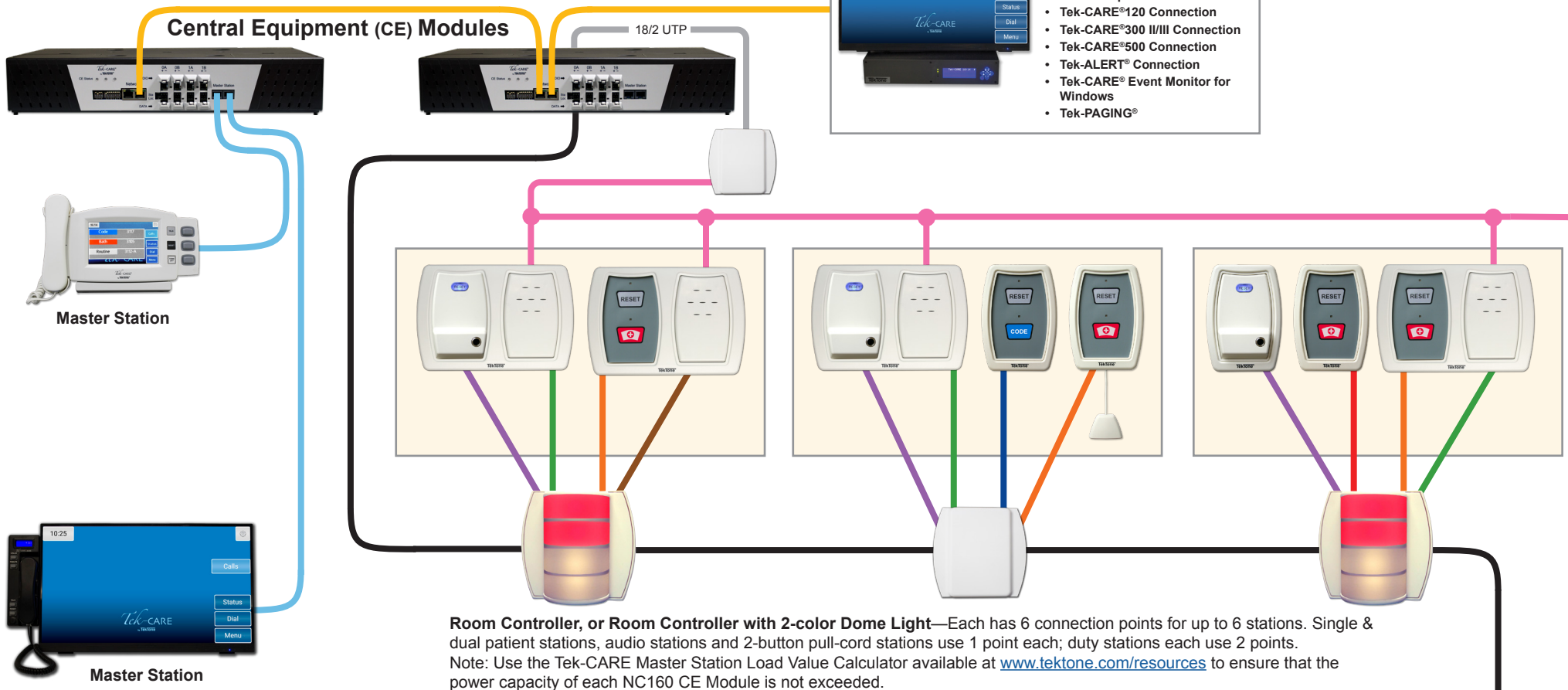
Room Controller, or Room Controller with 2-color Dome Light—Each has 6 connection points for up to 6 stations. Single & dual patient stations, audio stations and 2-button pull-cord stations use 1 point each; duty stations each use 2 points.
Note: Use the Tek-CARE Master Station Load Value Calculator available at www.tektone.com/resources to ensure that the power capacity of each NC160 CE Module is not exceeded.

Duty Station

Tek-CARE® Network—Ethernet cable, 328′ max; extend with NC556 Ethernet to Fiber Converters and/or NC554/8 Network Switch. 20 CEs per network; 19 with Tek-CARE® Appliance Server.

Master Bus—CAT5 or better, 1000′ maximum per port; 2 ports per CE, 3 masters per port (use CT400P5 splitters), 2 multicolor dome lights per master (use CT400 splitters), 50′ maximum dome light wiring per NC415AV master.

Data Bus—18 AWG stranded pair or better, 1000′ maximum; 16 room controllers and 4 duty stations maximum per run, 4 runs per CE.

Audio Bus—CAT5e or better, 1000′ maximum. 4 runs per CE.

Station Wiring—22 AWG stranded pair, 50′ maximum for duty stations, 100′ maximum for all other stations.
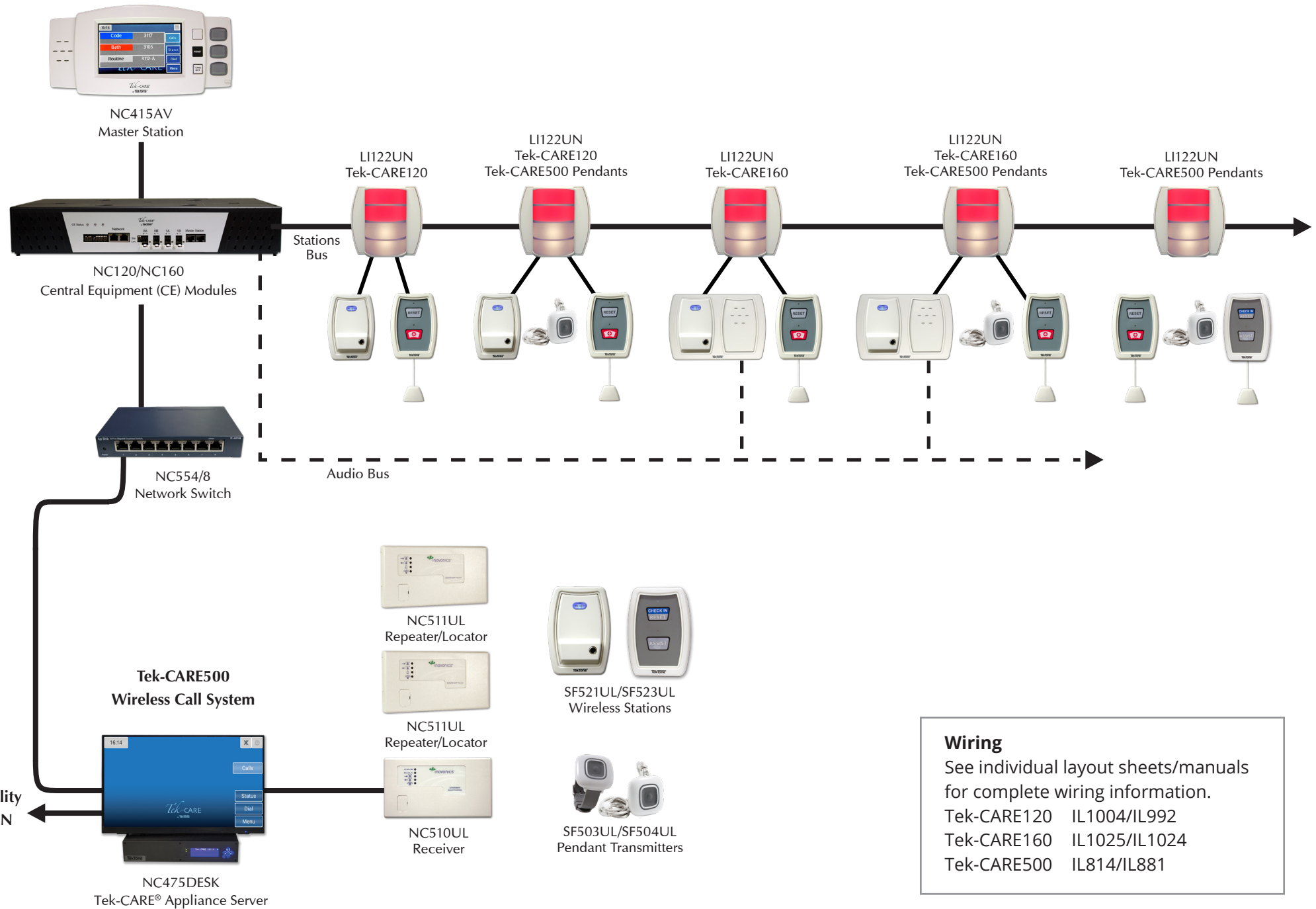
RS232 Serial Cable—50′ maximum.

IL1025 R5 02/2022
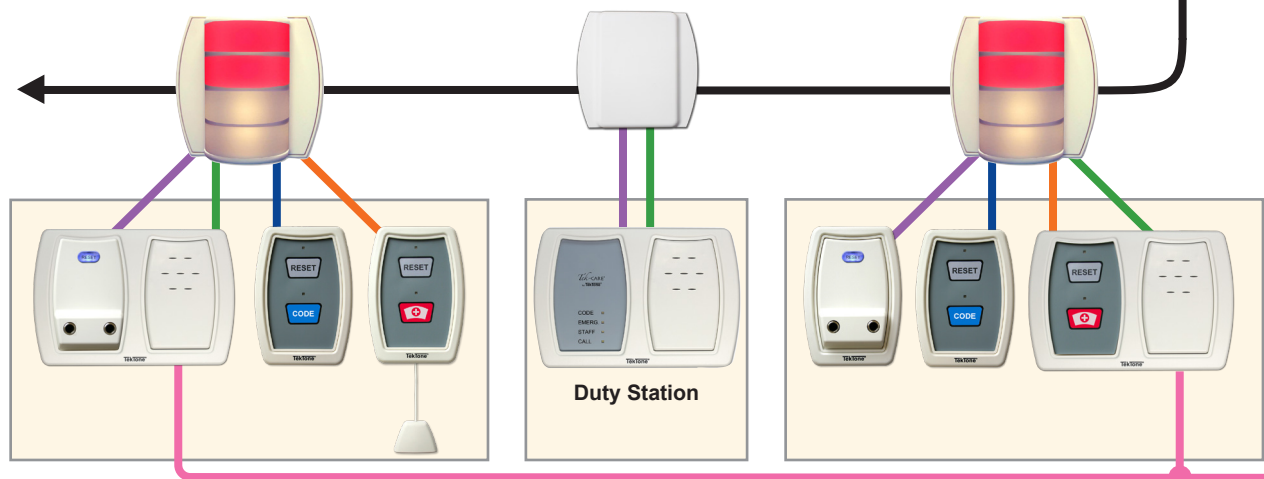
TekTone® Integrated Wired and Wireless Call Systems w/ Domes

IL1091 • Rev. 0 • 02/2022

Tek-CARE120/160
Nurse Call System (Wired)

NC415AV
Master Station

NC120/NC160
Central Equipment (CE) Modules

Stations Bus

LI122UN
Tek-CARE120

LI122UN
Tek-CARE120
Tek-CARE500 Pendants

LI122UN
Tek-CARE160

LI122UN
Tek-CARE160
Tek-CARE500 Pendants

LI122UN
Tek-CARE500 Pendants

NC554/8
Network Switch

Audio Bus

Tek-CARE500
Wireless Call System

NC511UL
Repeater/Locator

NC511UL
Repeater/Locator

NC510UL
Receiver

SF521UL/SF523UL
Wireless Stations

SF503UL/SF504UL
Pendant Transmitters

Facility
LAN

NC475DESK
Tek-CARE® Appliance Server

Wiring
See individual layout sheets/manuals
for complete wiring information.
Tek-CARE120   IL1004/IL992
Tek-CARE160   IL1025/IL1024
Tek-CARE500   IL814/IL881

TekTone® Tek-CARE® Appliance Server Integration Layout

(See installation manuals for complete wiring information.)

Tek-CARE500
Wireless Nurse Call

Tek-CARE400 P5+
Nurse Call

Tek-CARE300 III
Nurse Call

Tek-CARE NC110, NC150, NC200
Nurse Call

Tek-CARE160
Nurse Call

Tek-CARE120
Nurse Call

Tek-CARE700
Wander Management

The Tek-CARE Appliance Server can simultaneously connect to any TekTone nurse call system, plus a variety of foreign systems—such as fire alarm and security systems. The Tek-CARE Appliance Server displays the calls, events and messages from all connected systems at once.

NC475 Tek-CARE Appliance Server

Any computer networked with the Tek-CARE Appliance Server can create customizable reports on all activity. Plus, networked PCs can view all system events and messages as they occur via TekTone's Tek-CARE Remote Event Monitor.

Tek-ALERT
Integration Manager

foreign systems

Facility LAN

Tek-PAGING
Radio Pocket Paging

ROUTINE

(LED Messaging Sign available for Tek-CARE120/160, 400 & 500 only.)

Tek-CARE Remote Event Monitor

Reporting System and Config Tool Live

Media Gateway License

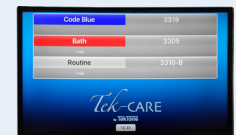## Email Output Software

Staff App
iPhone, iPad, iPod Touch, Android

Tek-CARE TV Monitors