



*Communications
for today... and tomorrow*

Tek-CARE® NC110, NC110A UL®-Listed Audible-Visual Nurse Call System

Specification Sheets Submittal Package

as of 4/19/2011

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Tek-CARE®NC110 Series Nurse Call System Specification Sheet

IL365
Section E
Rev. 12-08/2010



NC110/32 with OF201

FEATURES

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

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

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

- UL® 1069 Listed
- Electronic DC buzzer
- Tone-Off and Tone-Test functions
- **EMERGENCY** and **ROUTINE** call signaling
- Modular design
- Protected markings

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The annunciator/control panel shall be TekTone®'s Tek-CARE®NC110 series, or approved equal, with push button controlled circuits for tone-off (**ROUTINE** calls only) and tone test and indicator lights for **EMERGENCY** and **ROUTINE** calls. Indicator lights shall have removable lenses for lamp replacement access and to protect light identification markings. Screw terminals shall be provided for light wiring hook-up. An audible signal shall be provided through an electronic buzzer. The annunciator panel shall be of an extruded aluminum, modular-type construction.

The NC110 series shall be UL® 1069 Listed.

SPECIFICATIONS

Dimensions: Reference OH/OF200 Series Housing Chart
 Power Requirement: 24 VAC
 Connections: Screw terminal
 Construction: Extruded Aluminum Panels

REQUIRED COMPONENTS

AM110 Series	Annunciator Add-On Panels
NC110 Series	Master Annunciator Panel
OH200 Series	Flush Housing
OF200 Series	Frame
SF Series	Call Stations
IH151NK	Power and Control Unit, Transformer

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NC110A Nurse Call Annunciator/Control Panel Specification Sheet

IL850
Section E
Rev. 3-01/2011



NC110A Annunciator/Control Panel

FEATURES

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

Emergency signals are identified at the annunciator/control panel by a rapid flashing of the associated station indicator LED, call LED and emergency LED; in addition to a rapid pulsating tone. Routine calls are indicated by the steady illumination of the station selector LED, call LED, and a slow pulsating tone. The tone may be canceled for normal calls by depressing the **TONE ON/OFF** button. **EMERGENCY** calls take precedence over **ROUTINE** calls. Call signals can be canceled at point of origin only. Tone on/off and tone test functions are button selectable from the control panel, and three levels of tone volume are button selectable with LED indication. Indicator LEDs signal the presence of **EMERGENCY** or **ROUTINE** calls. The NC110A has a capacity of 50 selector points. All selector LEDs, indicator LEDs and control buttons are included on a membrane-type switch mounted on a telephone-sized plastic housing. A normally open isolated relay contact output for ancillary off-board call handling is also included.

- UL® 1069 Listed
- Electronic tone circuit with volume control
- Tone on/off and tone test functions
- **EMERGENCY** and **ROUTINE** call signaling
- 50-point capacity with labels for custom marking
- Spill-resistant membrane switch

SPECIFICATIONS

Dimensions: 8.5" × 8.5" × 3"
(216 mm × 216 mm × 76 mm)

Power Requirement: 24 VDC, 650 mA

Connections: Keyed plug-in

Construction: Flame-retardant (UL® 94V-0) plastic with membrane switch

Mounting: 3-gang ring for connector plate

REQUIRED COMPONENTS

SF series	Call Stations
IH151NK	Power & Control Unit, Transformer

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The annunciator/control panel shall be TekTone®'s NC110A or approved equal, with button-controlled circuits for tone on/off (**ROUTINE** calls only), tone test and tone volume control, plus indicator LEDs for **EMERGENCY** and **ROUTINE** calls. Fifty indicator LEDs shall be provided for room annunciation, with removable labels to allow for custom point markings. An audible signal shall be provided via an enclosed 45-ohm speaker with 3 tone volume settings. An N.O. isolated relay contact shall be available for ancillary off-board call handling.

The unit shall use convenient plug-in connectors to allow for ease of wiring rough-in and shall connect via two supplied 6-foot cables. The housing shall be high-impact, flame-retardant (UL® 94V-0) plastic with a membrane-type switch for control buttons and LEDs, and shall be desk mounted.

The NC110A shall be UL® 1069 Listed.

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IH300 Series Desk Cabinets Specification Sheet

IL502
Section E
Rev. 10-08/2010



IH302



IH303

SPECIFICATION

IH300 Series housings are desk cabinets for 2 to 6 TekTone® 4" wide aluminum panels. See chart for reference. IH300 series cabinets are constructed of black laminate covered wood.

APPLICATION

Housings are designed for use with Tek-CARE® NC110 and Tek-CARE® NC150 nurse call panels, CM800 emergency call panels and DS100 door sentry & emergency alarm panels.

Model #	Number of Panels	Height	Width	Depth
IH302	2	6"	9.5"	17"
IH303	3	6"	13.5"	17"
IH304	4	6"	17.5"	17"
IH305	5	6"	21.5"	17"
IH306	6	6"	25.5"	17"

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Housings Reference Chart

NOTES:

- For "SF" Series Emergency Switches, use single gang ring, or single gang ring and double gang box IH357/IH358.
- For "LI" Dome Light Series, use double gang ring (or double gang ring and box).
- For "AM" and "CM" Series, see specification requirements.
- For IR300 Series Nurse Call Stations, use Steel City #3GC and #H3BD or exact equivalent.
- For IR150B Series, use Steel City #3GC and #H3BD. If space is limited, use ARC-CO#2GBD and #3GC.
- For IR150SS Station, use OH600 flush housing mounted horizontally.
- The last two digits of frame and housing model numbers indicate the number of gangs (i.e., panel capacity). Exceptions: IH101, IH102, OH600, OH601, IH400A.

Model #	IH101 backbox (flush)	IH102 ring (flush)	IH400A housing (desk)
IR100B	×	×	×
IR102C	×	×	×
IR103E	×	×	×
IR104E	×	×	×
IR105E	×	×	×
IR203E			×
IR204E			×
IR205E			×
IR207B	use standard 2-gang electrical box		
IR704BD	×	×	×
OR500 Series	×	×	
OR600 Series	use standard 1-gang electrical box		
SM201B SM201K/P	use standard 1-gang electrical box		×

Dimension and Finish Chart—Housings, Frames, Desk Cabinets

Flush Mount Housings					
Model#	Overall Width	Wall Cutout Width	Overall Height	Wall Cutout Height	Overall Depth
IH101	4"	4-1/4"	5-1/2"	5-3/4"	1-3/4"
IH102	4-3/4"	4-1/4"	6"	5-5/8"	1/2"
OH150	5-1/4"	4-1/2"	11-1/8"	10-5/8"	3-7/8"
OH191	4-3/8"	4-1/2"	17-1/8"	17-1/4"	3-1/2"
OH192	8-3/8"	8-1/2"	17-1/8"	17-1/4"	3-1/2"
OH193	12-3/8"	12-1/2"	17-1/8"	17-1/4"	3-1/2"
OH194	16-3/8"	16-1/2"	17-1/8"	17-1/4"	3-1/2"
OH195	20-3/8"	20-1/2"	17-1/8"	17-1/4"	3-1/2"
OH201	5-3/8"	4-1/2"	16-7/8"	16-1/4"	3-7/8"
OH202	9-3/8"	8-1/2"	16-7/8"	16-1/4"	3-7/8"
OH203	13-3/8"	12-1/2"	16-7/8"	16-1/4"	3-7/8"
OH600	4"	4-1/4"	10-3/16"	10-3/8"	1-13/16"
OH601	4"	4-1/4"	16-1/16"	16-1/4"	1-13/16"

Frames		
Model #	Width	Wall Cutout
OF191	6-1/4"	-
OF192	10-1/4"	-
OF193	14-1/4"	-
OF194	18-1/4"	-
OF195	22-1/4"	-
Height: 19" (overall)		
Depth: 7/8"		
OF201	6-1/4"	4-1/2"
OF202	10-1/4"	8-1/2"
OF203	14-1/4"	12-1/2"
Height: 17-3/4" (overall)		
Cutout: 15-7/8"		
Depth: 2-1/2"		

Desk Cabinets		
Model #	Width	Depth
*IH302	9-1/2"	6"
*IH303	13-1/2"	6"
*IH304	17-1/2"	6"
IH400A	5"	7"
(white)		
* Cabinet Assembly Only.		
IH300 series Height = 17"		

Surface Mount Frames			
Model #	Width	Height	Depth
OF190S	4-1/4"	19-3/4"	1-1/2"
OF191S	6-1/4"	19"	2-1/4"
OF192S	10-1/4"	19"	2-1/4"
OF193S	14-1/4"	19"	2-1/4"
OF194S	18-1/4"	19"	2-1/4"
OF195S	22-1/4"	19"	2-1/4"

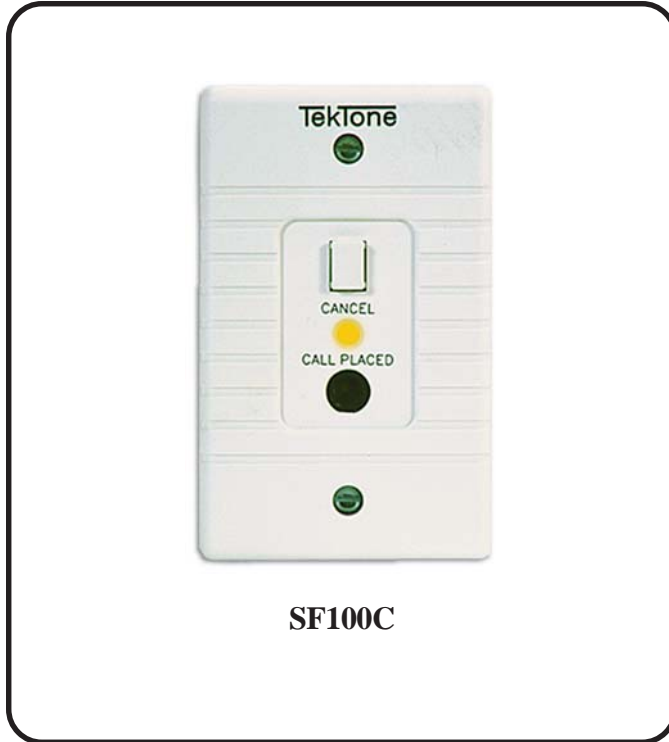
Surface Mount Housings	
Model #	Width
OH301	6-1/8"
OH302	10-1/8"
Height: 17-3/4"	
Depth: 3-5/8"	

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SF100C Single Bed Room Station Specification Sheet

IL362
Section E
Rev. 13-09/2010



SF100C

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The room station shall be TekTone® SF100C or approved equal, and shall include a call-placed indicator, a cancel button, and a jack for a TekTone® SF301A (or approved equal) call cord. A call will be registered at the nurse station, corridor light, and corridor zone light (if installed), and the station's call-placed LED if the call switch is pushed or if the call cord is accidentally removed from its jack. All electronic components needed for these features and functions shall be mounted on a printed circuit board and all station components shall be mounted on a rugged UL® 94V-0 plastic faceplate. The station shall be housed in a standard single gang ring with square box. A plug-in connector shall be provided for connections.

The SF100C shall be UL® 1069 Listed.

FEATURES

The SF100C Room Station includes a jack allowing the attachment of a call cord (SF301A). A call is registered at the nurse station, corridor light and corridor zone light (if installed) when the call cord button is used, or if the call cord is accidentally removed from the jack on the panel. The station includes a call-placed indicator which lights when a call is placed and a cancel button mounted on an attractive, flame-retardant (UL® 94V-0) plastic faceplate.

- UL® 1069 Listed
- Simple, push button calling
- Call-placed indicator and cancel button
- Call automatically registers if call cord is accidentally removed
- Corridor zone light capability

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114mm)
	Width:	2.75"	(69mm)
	Depth:	1.75"	(44mm)
	Projects:	0.4375"	(11mm)
Construction:	Attractive, flame retardant (UL® 94V-0) plastic faceplate. Switches and electronic components are circuit board mounted.		
Connections:	Plug-in connectors.		
Housing:	Single gang ring with square box or exact equal.		

REQUIRED COMPONENTS

Tek-CARE® NC110	Nurse Call System
SF301A	Call Cord

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SF101C Audible-Visual Room Station Specification Sheet

IL366
Section E
Rev. 11 - 8/2010



SF101C

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The room station shall be TekTone® SF101C or approved equal, and shall include an integral call-placed LED, a call button and a cancel button. A call shall be registered at the annunciator panel, a corridor light or corridor zone light (if installed), and the station's call-placed LED. All electronic components needed for these features and functions shall be mounted on a printed circuit board and all station components shall be mounted on a rugged UL® 94V-0 plastic faceplate. The station shall be installed in a single gang ring with square box. Plug-in connectors shall be provided for connections.

The SF101C Room Station shall be UL® 1069 Listed.

FEATURES

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

- UL® 1069 Listed
- Simple, push-button calling
- Call-placed indicator
- Cancel push button
- Call activates lamp on annunciator panel and corridor light
- Flame retardant (UL® 94V-0) plastic faceplate
- Corridor zone light capability

SPECIFICATIONS

Dimensions:	Height:	4.50"	(114 mm)
	Width:	2.75"	(69 mm)
	Depth:	1.75"	(44 mm)
	Projects:	0.4375"	(11 mm)
		from mounting surface	
Construction:	Flame retardant (UL® 94V-0) plastic faceplate. Switches and electronic components are circuit board mounted.		
Connections:	Plug-in connectors.		
Housing:	Single gang ring (IH357) with square box (IH358).		

REQUIRED COMPONENTS

Tek-CARE®NC110 Nurse Call System

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SF102 Dual Bed Room Station Specification Sheet

IL639
Section E
Rev. 5 - 08/2010



SF102

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The room station shall be TekTone® SF102 or approved equal, and shall include a lighted push button switch that serves as a **CALL-PLACED** indicator and provides a **CANCEL** function. Two jacks for TekTone® SF301A (or approved equal) call cords are also provided. A call will be registered at the nurse station, corridor light, corridor zone light (if installed) and the station's lighted **CALL-PLACED** switch if either call switch is pushed or if either call cord is accidentally removed from its jack. All electronic components needed for these features and functions shall be mounted on a printed circuit board and all station components shall be mounted on an attractive, flame retardant ABS faceplate. The station shall be housed in a standard single gang ring with square box. A plug-in connector shall be provided for connections.

The SF102 shall be UL® 1069 Listed.

FEATURES

The SF102 Room Station includes two jacks allowing for the attachment of two call cords (SF301A). A call is registered at the nurse station, corridor light and corridor zone light (if installed) when either cord button is depressed or if either call cord is accidentally removed from the jack on the SF102. The station includes a lighted **CALL-PLACED** switch that lights when a call is placed. The **CALL-PLACED** switch also provides the system **CANCEL** function. All of the electronics are mounted on an attractive, flame retardant ABS plastic faceplate.

- UL® 1069 Listed
- Simple, push button calling
- Combined **CALL-PLACED** indicator and **CANCEL** button
- Call automatically registers if either call cord is accidentally removed
- Attractive, flame retardant ABS plastic faceplate
- Corridor zone light capability

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114 mm)
	Width:	2.75"	(69 mm)
	Depth:	1.75"	(44 mm)
	Projects:	0.4375"	(11 mm)
Construction:	Attractive, flame retardant ABS plastic faceplate. Switch and electronic components are circuit board mounted.		
Connections:	Plug-in connectors.		
Housing:	Single gang ring with square box.		

REQUIRED COMPONENTS

Tek-CARE®NC110	Nurse Call System
SF301A	Call Cord

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SF301A, SF302 Call Cords Specification Sheet

IL338
Section E
Rev. 17-08/2010



SF301A

SF302



FEATURES

The TekTone® SF301A (single) or SF302 (double) call cords are for use with the Tek-CARE® NC110N, NC150N, NC200N and NC300™II Nurse Call Systems, and the Tek-CARE®500 Wireless Emergency Call System, where ¼" phono jacks are used. Ten-foot cords are also available as SF301A/10 and SF302/10. The SF301A and SF302 are oxygen safe call cords certified safe for use by all patients receiving oxygen therapy. These waterproof and impact resistant call cords have completely sealed push buttons.

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

SPECIFICATIONS

Connection: ¼" (6.35 mm) plug-in phono jack
Construction: SPST1-A switch
Integral brass, fine silver contacts
1 AMP, 115 watt maximum, AC
Dimensions: 7' (2.13 m) long polyvinyl covered cord

REQUIRED COMPONENTS

Tek-CARE®500 Wireless Emergency Call System
with SF530 Room Station

or

Tek-CARE® NC300™II Nurse Call System
with SF380A Patient Stations

or

Tek-CARE® NC200N or NC150N Nurse Call Systems
with IR 151B or IR 152B Patient Stations

or

Tek-CARE® NC110N Nurse Call System
with SF100C or SF102 Patient Stations

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Call cords shall be TekTone® SF301A, SF302, or approved equal. Model SF301A shall provide one molded push button. Model SF302 shall provide a "Y" type cord with two molded push buttons. The call cords shall be waterproof and shall be suitable for use in oxygen environments.

The momentary-contact push button cordsets shall be encased in a molded, shock-proof plastic shell. They shall be connected to a 7' (2.13 m) long polyvinyl covered cord with an integrally molded right-angle plug.

The SF301A and SF302 shall be UL® 1069 Listed.

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SF301G, SF302G Call Cords Specification Sheet

IL434
Section E
Rev. 14 - 08/2010



SF301G

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The call cord shall be TekTone® SF301G, SF302G or approved equal. Model SF301G shall include a single squeeze bulb for call origination. Model SF302G shall include two squeeze bulbs in a “Y” configuration to a single plug.

The call cords shall permit simple call origination and shall be acceptable for use in oxygen, geriatric or general applications.

The momentary contact, air operated switch shall be built into the plug and shall be activated by a slight pressure to the squeeze bulb. A 6' long vinyl tube shall connect the squeeze bulb to the stainless steel plug. A stainless steel bed clamp shall be permanently affixed to the call cord, but shall be adjustable along the length of the cord.

Call cords shall be UL® 1069 Listed.

FEATURES

TekTone® SF301G and SF302G Call Cords are for use with the Tek-CARE® NC110N, NC150N, NC200N and NC300II Nurse Call Systems, where 1/4" phono jacks are used. Patient stations include SF100C, IR151B, IR152B, SF380C, SF380P and SF530.

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.

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

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)

REQUIRED COMPONENTS

Tek-CARE®500 Wireless Emergency Call System
with SF530 Room Stations

or

Tek-CARE®NC300II Nurse Call System
with SF380C or SF380P 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 Patient Stations

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SF155B Emergency Station Specification Sheet

IL513
Section E
Rev. 10 - 08/2010



SF155B Emergency Station
(pull cord not shown)

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Emergency station shall be TekTone® SF155B or approved equal. Operation of emergency signals shall be accomplished by a short pull on the nylon cord or by pulling down on the red lever marked EMERGENCY.

The red call-placed indicator shall flash to assure the patient that the call has been placed. Switching mechanism shall consist of a reliable DPDT switch.

The SF155B shall be UL® 1069 Listed.

FEATURES

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

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

- UL® 1069 Listed
- Simple and flexible operation
- Call-placed indicator
- Call cancel at point of origin
- Flame-retardant (UL® 94V-0) plastic faceplate
- 1.1" wide pull down lever

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114 mm)
	Width:	2.8125"	(72 mm)
	Depth:	1.625"	(41 mm)
	Projects:	0.6875"	(17 mm)
			from mounting surface (including pull-down lever)
Construction:		Flame-retardant (UL® 94V-0) plastic faceplate. Switch and electronic components are circuit board mounted.	
Connections:		Plug-in connectors.	
Housing:		Single gang ring (IH357) with square box (IH358), or exact equal.	

REQUIRED COMPONENTS

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

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SF156B Code Station Specification Sheet

IL648
Section E
Rev. 7 - 08/2010



SF156B

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Code station shall be TekTone® SF156B or approved equal. Operation of all system code signals shall be accomplished by activating the centrally-located slide-switch. Call placement is indicated by a rapid flashing red light. Canceling the call shall be possible only at the point of origin. Reliable solid-state components shall be used. A plug-in wiring pigtail shall be provided for all connections.

The SF156B shall be used in conjunction with a PK153 third priority control unit to provide a separate and distinct flash and tone rate.

The SF156B shall be UL® 1069 Listed.

FEATURES

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

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

- UL® 1069 Listed
- Simple, reliable operation
- Call-placed indicator
- Call activates light on annunciator panel, corridor light and/or zone light.
- Corridor zone light capability
- Mounted on attractive flame retardant (UL® 94V-0) plastic panel

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114 mm)
	Width:	2.75"	(70 mm)
	Depth:	0.75"	(20 mm)
Construction:	Reliable components mounted on an attractive flame retardant (UL® 94V-0) plastic panel.		
Connections:	Plug-in wiring pigtail.		
Housing:	Single gang ring (or single gang ring/ double gang box)		

REQUIRED COMPONENTS

Tek-CARE®NC110N	Nurse Call System
PK153	Third Priority Control Unit

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TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)



SF337C Emergency Shower Switch Specification Sheet

IL629
Section E
Rev. 11-03/2011



SF337C Emergency Shower Switch
(Cord Not Shown)

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The emergency shower switch shall be TekTone® SF337C or approved equal. Operation of emergency signals shall be accomplished by a short pull on the washable TPU plastic cord or by pulling down on the RED lever marked **EMERGENCY**.

The red **CALL-PLACED** indicator shall flash to assure the patient that the call has been placed.

The emergency shower switch shall be waterproof if mounted according to manufacturer's instructions. If mounted correctly, the faceplate shall be sealed from the electronic components. The switching mechanism shall consist of a reliable reed switch with a sealed magnet actuator.

The SF337C shall be UL® 1069 Listed.

FEATURES

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

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

- UL® 1069 Listed
- Waterproof if installed per manufacturer's instructions
- Call-placed indicator
- Call cancel at point of origin
- Attractive, flame-retardant (UL® 94V-0) plastic faceplate
- 1.1" (28mm) wide pull-down lever
- Washable TPU plastic pull cord kit is included

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114mm)
	Width:	2.8125"	(72 mm)
	Depth:	1.625"	(41 mm)
	Projects:	0.6875"	(17 mm)
		(including pull down lever)	
Construction:	Flame-retardant (UL® 94V-0) plastic		
Connections:	Plug-in type.		
Housing:	Single gang ring with square box.		

APPLICABLE SYSTEMS

Tek-CARE® 400 P5 Nurse Call System
Tek-CARE® NC300 II Nurse Call System
Tek-CARE® NC200, NC150, NC110 Nurse Call Systems
Tek-CARE® 500 Wireless Emergency Call System

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SF339 Emergency Switch Specification Sheet

IL744
Section E
Rev. 4 - 09/2010



SF339 Emergency Switch

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The emergency switch shall be TekTone® SF339 or approved equal. Operation of emergency signals shall be accomplished by pushing the red mushroom-style button. The red call-placed indicator shall operate to assure that the call has been placed.

Emergency signal shall be cancelled by turning the mushroom-style button clockwise. Switching mechanism shall consist of a reliable DPDT switch.

The SF339 shall be UL® 1069 Listed.

FEATURES

The SF339 Emergency Switch includes a locking mushroom-style switch, and is for use in any location where activation of an emergency signal is required. All electronic components are mounted on a circuit board, including a reliable industry-proven DPDT switch for circuit initiation. The DPDT switch and the indicator LED are completely sealed in plastic.

The SF339 may be used as an emergency switch or as a staff-assist emergency call switch. The large mushroom-style button is easily activated, so that calls may be placed using an elbow, shoulder, etc., when using the hands is inconvenient or inappropriate. Calls are cancelled by turning the mushroom-style button clockwise.

Dome light indication and system annunciation vary according to the manner in which the SF339 is installed.

- UL® 1069 Listed
- Simple and flexible operation
- Call-placed indicator
- Call cancel at point of origin
- Flame-retardant (UL® 94V-0) plastic faceplate
- 0.9" diameter (23 mm) red mushroom-style button

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114.3 mm)
	Width:	2.8125"	(71.4 mm)
	Depth:	1"	(25.4 mm)
	Projects:	1"	(25.4 mm)
Construction:	Flame-retardant (UL® 94V-0) plastic faceplate. DPDT switch and electronic components are circuit board mounted.		
Connections:	Plug-in connectors.		
Housing:	Single gang ring (IH357) with square back box (IH358) or exact equal.		

APPLICABLE SYSTEMS

Tek-CARE®400 P5 Nurse Call System
Tek-CARE®NC300II Nurse Call System
Tek-CARE® NC200, NC150, NC110 Nurse Call Systems
Tek-CARE®500 Wireless Emergency Call System

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LI150B Duty Station Specification Sheet

IL654
Section E
Rev. 4 - 08/2010



LI150B Duty Station

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Duty Stations shall be TekTone® LI150B or approved equal. Both visual and audible indication of normal and emergency call shall be provided.

A solid-state LED indicator shall provide a steady signal for normal calls and a flashing signal for emergency calls. A **TONE OFF** switch shall be provided, which shall not be able to cancel an emergency signal. The station shall consist of reliable components mounted on a durable fire-retardant (UL® 94V-0) plastic panel, and shall have screw terminals for electrical connections.

The LI150B shall be UL® 1069 Listed.

FEATURES

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

Normal calls are indicated by a steady light and intermittent tone. Emergency calls take precedence and are indicated by a flashing solid-state LED light and a pulsating tone. A tone-off switch permits silencing of the tone signal for normal calls only.

- UL® 1069 Listed
- Simple, reliable operation
- Call-placed indicator
- Mounted on rugged, flame-retardant (UL® 94V-0) plastic panel

SPECIFICATIONS

Dimensions:	Height:	4.5"	(114mm)
	Width:	2.75"	(70mm)
	Depth:	1"	(25 mm)
	Projects:	0.5"	(13mm)
			from mounting surface
Construction:	Reliable components mounted on a flame-retardant (UL® 94V-0) plastic faceplate		
Connections:	Screw terminals		
Housing:	Single gang ring (IH357) with square box (IH358), or exact equal.		

REQUIRED COMPONENTS

Tek-CARE® NC200, NC150 or NC110 Nurse Call System
IR150 series or SF100 series Patient Stations

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LI381 Corridor Light LI382 Corridor Zone Light Specification Sheet

IL518
Section E
Rev. 17 - 08/2010



**LI381 Corridor Light
LI382 Corridor Zone Light**

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Corridor lights shall be TekTone® LI381 Corridor Light and LI382 Corridor Zone Light, or approved equal. Lights shall include a white flame-retardant translucent polystyrene plastic lens mounted on a flame-retardant (UL® 94V-0) plastic panel. The lens shall be removable without the use of tools for ease of bulb replacement. The LI382 shall provide for two bulbs, one white bulb and one red covered bulb, to differentiate between normal and emergency calls

The LI381 and LI382 shall be UL® 1069 Listed.

FEATURES

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

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

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

- UL® 1069 Listed
- Snap-in lens
- Easy bulb replacement
- Attractive flame-retardant HIPS30 plastic panel
- Excellent visibility

SPECIFICATIONS

Dimensions:	Height:	4.5625" (115 mm)
	Width:	4.5625" (115 mm)
	Depth:	3.3" (84 mm)
Bulbs:	#1829 28V 70 mA	
Power:	LI381:	24 VDC, 51mA
	LI382:	24 VDC, 102mA
Finish:	White flame-retardant translucent polystyrene plastic lens mounted on a flame-retardant (UL® 94V-0) plastic panel.	
Housing:	Fits either standard dual gang box and ring or single gang box and ring.	

REQUIRED COMPONENTS

Tek-CARE® NC110,
NC150, NC200 or NC300II Nurse Call Systems
CM800 Emergency Call System

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IH151N Housing Specification Sheet

IL646
Section E
Rev. 5 - 08/2010



IH151N Housing

FEATURES

The IH151N Housing is used as a central junction point for wiring in the CM800 and Tek-CARE® NC110, NC150, NC200 systems.

Knockouts are included on all sides except lid to allow the connection of electrical conduit from any direction. In addition, the lid has a knockout which can be used to install an optional key lock—the TekTone® HW231 or equivalent. A single-gang electrical junction box is mounted inside the main enclosure to allow protected electrical connections to be made. The enclosed electrical junction box is galvanized steel with a stainless steel cover plate.

- Maintenance free
- Easy Installation
- 19-gauge steel construction
- Knockouts provided
- UL® 1069 Listed when constructed with PK151A Annunciator Power & Control Unit and SS106 Transformer

ARCHITECTS' AND ENGINEERS' SPECIFICATION

Housing shall be TekTone® IH151N housing or approved equal. The IH151N housing shall be of steel construction for durability. It shall include a single-gang metal junction box to protect electrical connections.

Knockouts shall be provided on all sides except lid to facilitate easy connection of electrical conduit. The lid shall have a knockout for an optional key lock—TekTone® HW231 or equivalent.

All exposed surfaces shall be either stainless steel or painted to protect against oxidation. The outer enclosure shall be composed of 19-gauge cold-rolled steel.

SPECIFICATIONS

Dimensions:	Height:	11.75" (300 mm)
	Width:	11.75" (300 mm)
	Depth:	3.75" (96 mm)
Construction:	19 gauge, cold-rolled steel	

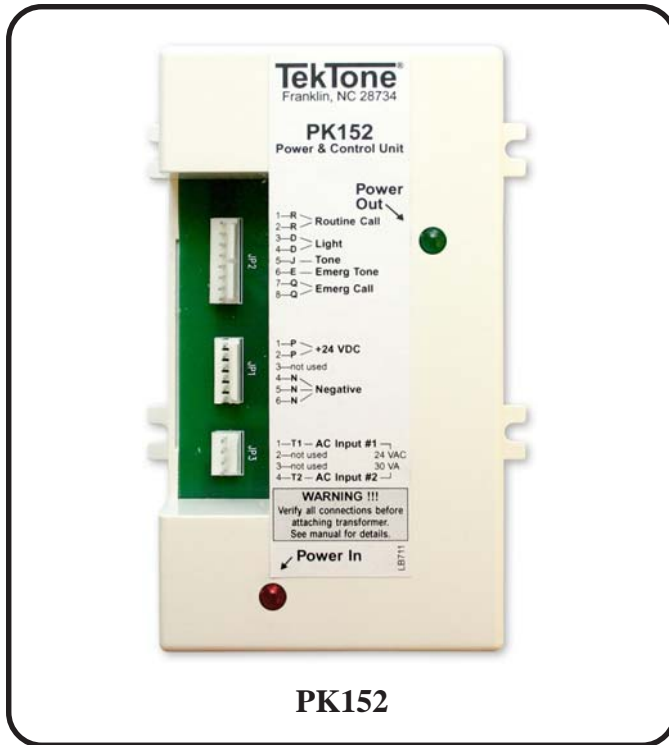
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PK152 Annunciator Power & Control Unit Specification Sheet

IL367
Section E
Rev. 12 - 03/2011



PK152

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The power and control unit shall be TekTone® PK152 or approved equal. The PK152 shall provide power and control circuits to operate audible and visual signals for emergency and normal calls of a complete nurse call or area of rescue assistance system. Normal calls must be indicated by a steady light and slowly repeating tone signal. The control unit shall automatically cancel the normal audible signal during intercom use. The unit shall contain all of the electronic circuitry needed for the features and functions mentioned above. The PK152 shall support up to 1 amp of current load from field devices. It shall also support interconnection of a secondary power supply to increase the output current load to 3 amps (use TekTone®'s PK800A Power Supply). Regular and emergency common lines shall be protected against shorted connections. It shall be mounted on a printed circuit board and housed in a rugged plastic case.

The PK152 shall be ETL Listed to the UL® 1069 Standard.

FEATURES

The PK152 Annunciator Control Unit provides power and control circuits to operate Tek-CARE®NC150, NC200 and NC110 nurse call systems or the Tek-SAFE™ area of rescue assistance system. The PK152 contains the electronic circuitry necessary to detect the presence of normal and emergency calls, and to generate audible and visual control signals. It provides steady or intermittent voltages to operate visual signaling devices. The PK152 supports up to 1 amp of current load from field devices, and supports interconnection of a secondary power supply (PK800A) to increase the output current load to 3 amps. Protective circuitry has been incorporated to protect routine and emergency call commons from shorts.

- Red LED for power in; Green LED for power out.
- UL® 1069 Listed.
- High-quality electronic components.
- Provides steady light and slow tone for normal call; flashing light and rapid tone for emergency call.
- Routine and emergency commons incorporate short-protection circuitry.

SPECIFICATIONS

Dimensions: Height: 5.5" (140 mm)
Width: 3.125" (79 mm)
Depth: 1.875" (48 mm)

Construction: Electronic components mounted on a printed circuit board and housed in a rugged plastic case.

Connections: Pigtails.

Temperature: 0°C–50°C.

Mounting: Surface-mounted (within 50' of master station).

Power: 24 VAC, 30VA.

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

REQUIRED COMPONENTS

Tek-CARE®NC110, NC150 or NC200 Nurse Call System
-or- Tek-SAFE™ Area of Rescue Assistance System

— for higher current applications add —

PK800A 24 VDC Power supply

FZ151 In-line 4A fuse connector

SS100 24 VAC, 100VA Transformer

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SS102A, SS105B, SS106 Transformers PO001 Electric Door Opener Specification Sheet

IL127
Section A
Rev. 12 - 03/2010

PO001 ELECTRIC DOOR OPENER

TekTone®'s PO001 Electric Door Opener is for use in unlocking and locking doors from a variety of TekTone® remote stations. The door opener can be installed in place of the door lock, or on a door jamb with various door lock sets. The PO001 is a normally locked type with heavy duty coils, and operates on 8-16 VAC or 3-6 VDC. The unit features a flat face with satin zinc finish and solid brass locking latch for long wear. Model PO001 is reversible for mortise-type locks and latches up to 1/2" width and throw, and is ideal for most narrow jamb mortise-type installations. Depending on the specific job requirements, the PO001 can be reversed for right or left-hand door installation.



DIMENSIONS

Faceplate: 1.25" × 5.875" (31.8 mm × 149 mm)
Case width: 0.9375" (24 mm)
Case depth: 1.4375" (37mm)
Latch opening: 1.375" (35 mm)

SS102A, SS106 TRANSFORMERS

TekTone®'s SS102A and SS106 Class 2 Transformers offer compact, easy-to-install low voltage AC power sources for use with various TekTone® intercom systems. Both transformers are UL® Listed and will safely take themselves offline when overheated. The transformers are constructed for easy installation in a standard 1/2" knockout or for surface installations, and may be used in plastic or metal boxes. Primary wire connections are made using the pre-stripped pigtails and ground wire; secondary connections are made using screw terminals.



SPECIFICATIONS

SS102A 120 VAC primary, 16 VAC 10 VA secondary
SS106 120 VAC primary, 8 VAC 20 VA
16/24 VAC 30 VA secondary

SS105B TRANSFORMER

TekTone®'s SS105B Class 2 Plug-In Transformer was designed for quick and easy installation in environments where pigtail-type transformers are impractical or unsightly. It is particularly suitable for use in office or home installations, or in areas where the transformer must be exposed. The plug-in installation saves time and money over standard transformer installation requiring hand wiring and long runs from hard-to-get-at areas. TekTone®'s unit installs quickly and easily to existing outlets and includes an extra long replacement screw for secure attachment to a faceplate.



SPECIFICATIONS

117-16 VAC 10 VA Plug-in type, UL® Listed

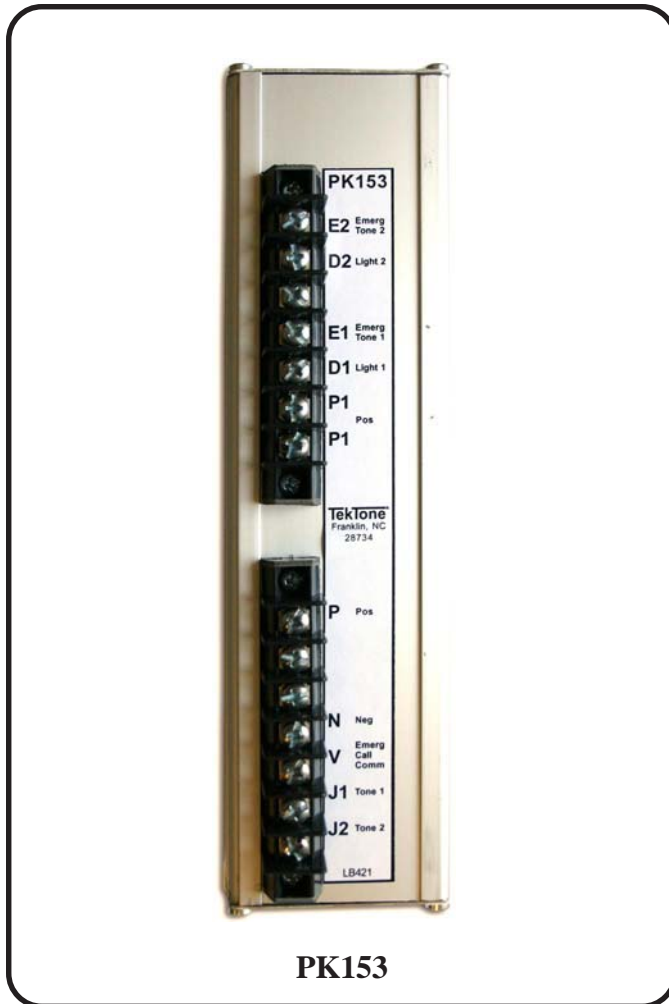
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PK153 High Priority Emergency Call Control Unit Specification Sheet

IL473
Section E
Rev. 10-08/2010



PK153

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The control unit shall be a TekTone® PK153, or approved equal, and shall provide control circuits to operate audible and visual signals for higher priority smoke detector or code call annunciation. The control unit shall automatically override normal and lower level emergency calls. The unit shall contain all of the electronic circuitry needed for the features and functions mentioned above, and shall be mounted on a printed circuit board and housed in a rugged extruded aluminum case.

The PK153 shall be UL® 1069 Listed.

FEATURES

The PK153 Control Unit provides the control circuits to operate a higher priority call signal, such as a smoke detector alarm or a code call, for TekTone®'s Tek-CARE® NC110, NC150, NC200 nurse call systems. When used in conjunction with the PK151A, the unit provides the additional circuitry for three levels of calls.

- UL® 1069 Listed
- High-quality integrated circuitry and electronic components
- Rugged extruded aluminum case
- Provides flashing light and rapid tone for emergency calls

SPECIFICATIONS

Dimensions:	Height: 9.5" (240 mm)
	Width: 2.375" (60 mm)
	Depth: 2.25" (57 mm)
Construction:	Electronic components mounted on printed circuit boards and housed in a rugged extruded aluminum case
Connections:	Screw terminals
Temperature Range:	0°C–50°C
Mounting:	Surface mounted (within 50' of Nurse Call Master)
Power Requirement:	24 VDC

REQUIRED COMPONENTS

Tek-CARE®NC110,NC150 or NC200	Nurse Call System
PK151A	Power and control unit
SS106	Transformer

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

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PK800A Auxiliary Power Supply Specification Sheet

IL664
Section E
Rev. 7 - 10/2010

PK800A Auxiliary Power Supply



FEATURES

TekTone®'s PK800A Auxiliary Power Supply provides additional DC power for the Tek-CARE® NC200, NC150 and NC110 Nurse Call Systems, allowing for extended light capacity. Both of the outputs, +24VDC and +5VDC, are protected from shorts that might occur at the output. When the shorts are removed, the power supply recovers and operates normally. A 4 amp fuse protects the input of the power supply. The PK800A Auxiliary Power Supply maintains its output for approximately 2 seconds after removal of its input power. This feature prevents the loss of system functionality during periods of brief power interruptions.

- UL® 1069 Listed
- Compact design
- Protected from shorts at the outputs

SPECIFICATIONS

Dimensions:	Height:	10.625" (270 mm)
	Width:	3.5" (88.9 mm)
	Depth:	2.5" (64 mm)
Construction:	Extruded Aluminum case. Internal circuit board.	
Connections:	Screw Terminals	
Fuse:	4 amp	
Power:	24VAC / 100VA / 60Hz	

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The Auxiliary Power Supply shall be TekTone®'s PK800A or approved equal. The power supply shall provide two outputs: +5VDC and +24VDC.

The PK800A Auxiliary Power Supply shall be capable of a direct short at its output terminals without causing damage to the power supply electronics. When the short is removed from the power supply output, the PK800A shall electrically recover from the shorted condition and continue to operate in a normal fashion after the replacement of the fuse, if required.

The PK800A shall be mounted in an aluminum case, and screw terminals shall be used for wire connections. The AC input to the power supply shall be 24VAC / 100VA / 60 Hz.

The PK800A shall be UL® 1069 Listed when used with the IH151NK.

REQUIRED COMPONENTS

Tek-CARE® NC200,	
NC150 or NC110	Nurse Call System
IH151NK	Junction box with transformer and power & control unit

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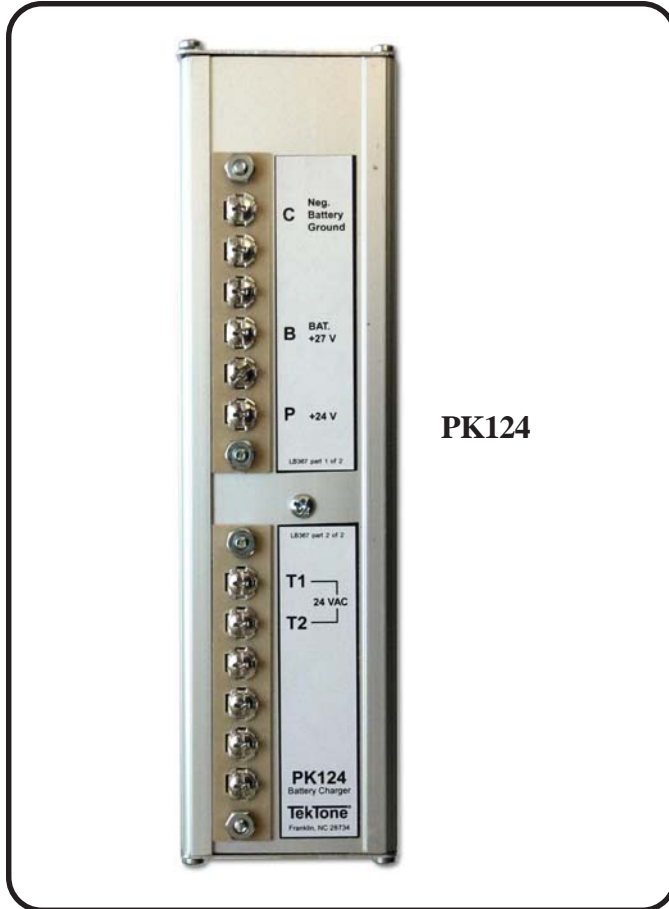
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PK124 Battery Charger Specification Sheet

IL818
Section E
Rev. 4 - 04/2011



PK124

FEATURES

The PK124 Battery Charger, when used in conjunction with two BA001—12 VDC batteries, provides continuous battery charging so that if power to system equipment is interrupted, standby operating power is provided for up to approximately 6 hours. (Time may vary depending on system size and usage.)

TekTone® systems supported by the PK124 include the DS100 Door Sentry & Emergency Alarm System and the CM800 Emergency Call System.

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

SPECIFICATIONS

Dimensions: Height: 9.5" (240 mm)
 Width: 2.375" (60 mm)
 Depth: 2.25" (57 mm)

Construction: Rugged extruded aluminum case housing, quality electronic components mounted on PCB

Power: 24 VAC, 30 VA provided by SS106 transformer

Connection: Screw terminals

Mounting: Surface

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The battery charger shall be TekTone® PK124 or approved equivalent, and shall be used in conjunction with two TekTone® BA001—12 VDC batteries, or approved equivalent. The PK124 shall provide continuous battery charging for approximately 6 hours for uninterrupted equipment operation during power failures.

Screw terminals shall be provided for connections. The PK124 Battery Charger shall be of rugged construction and modular integrated circuit design.

REQUIRED COMPONENTS

CM800	Emergency Call System
<i>or</i>	
DS100	Door Sentry & Emergency Alarm System

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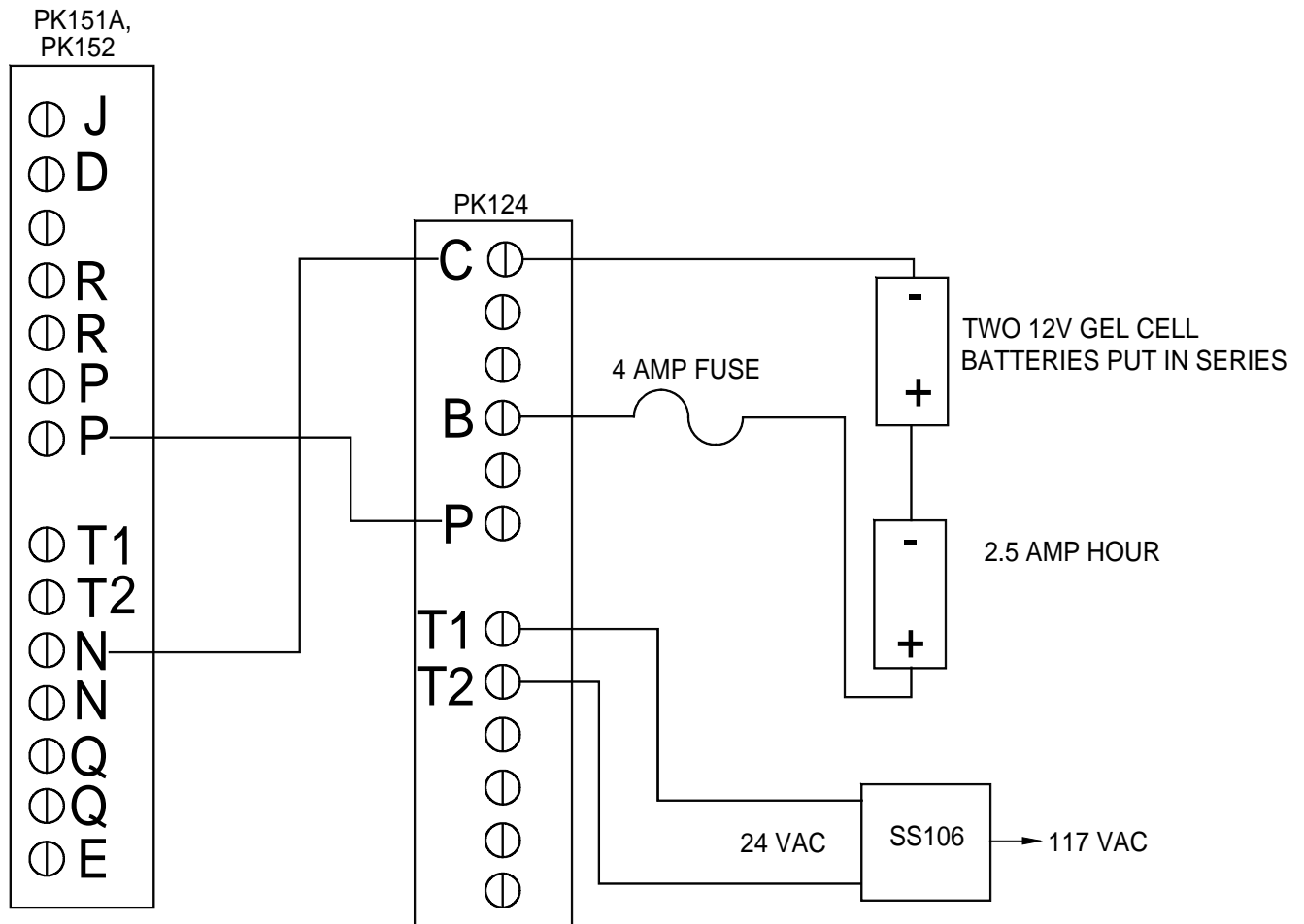
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Wiring Diagrams for PK124 Battery Charger

IL426
Section E
Rev. 10-03/2011

PK124 to PK151A or PK152 (NC110N, NC150N, NC200N) Interconnect Wiring Diagram



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IL426 PK124 to PK151A PK152 Interconnect Wiring Diagram Rev1 031811 1

Notes:

1. Do not connect transformer to PK151A or PK152.
2. Use 24 VAC connections on SS106 transformer.
3. All wiring #18 unless shown.
4. See installation manual for additional PK151A or PK152 connections.

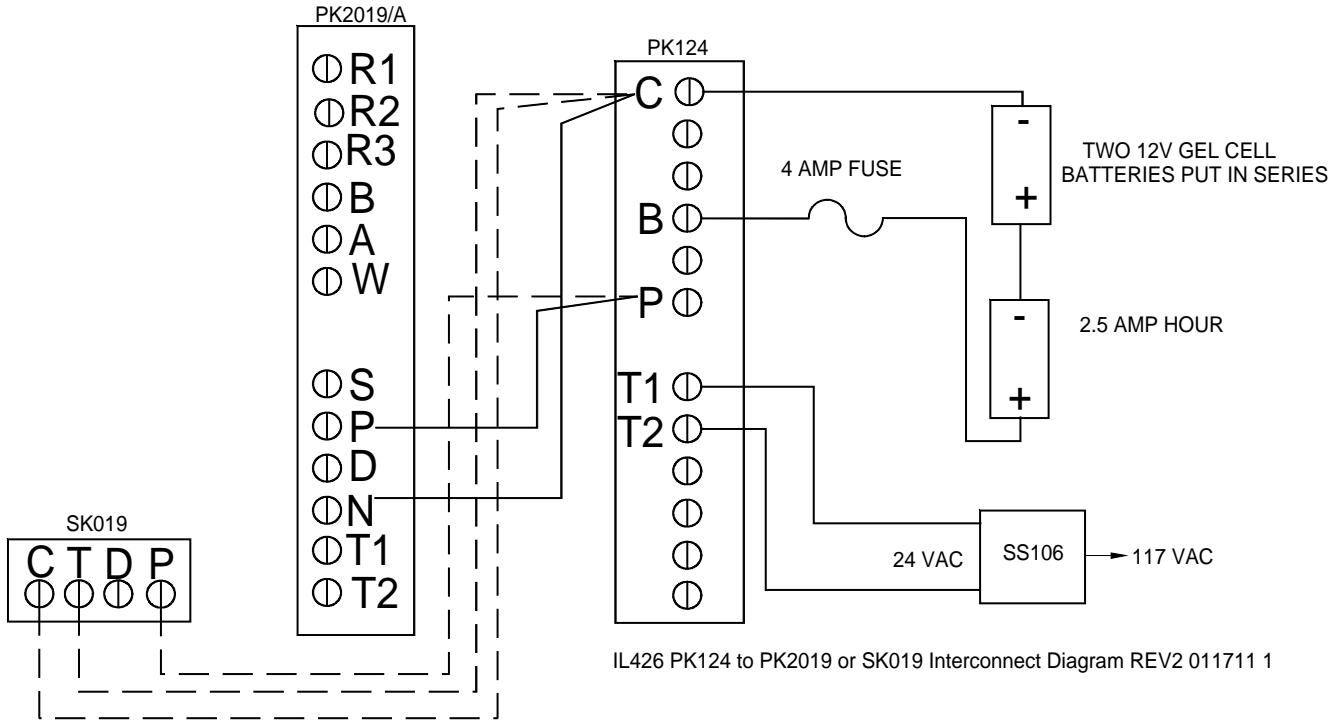
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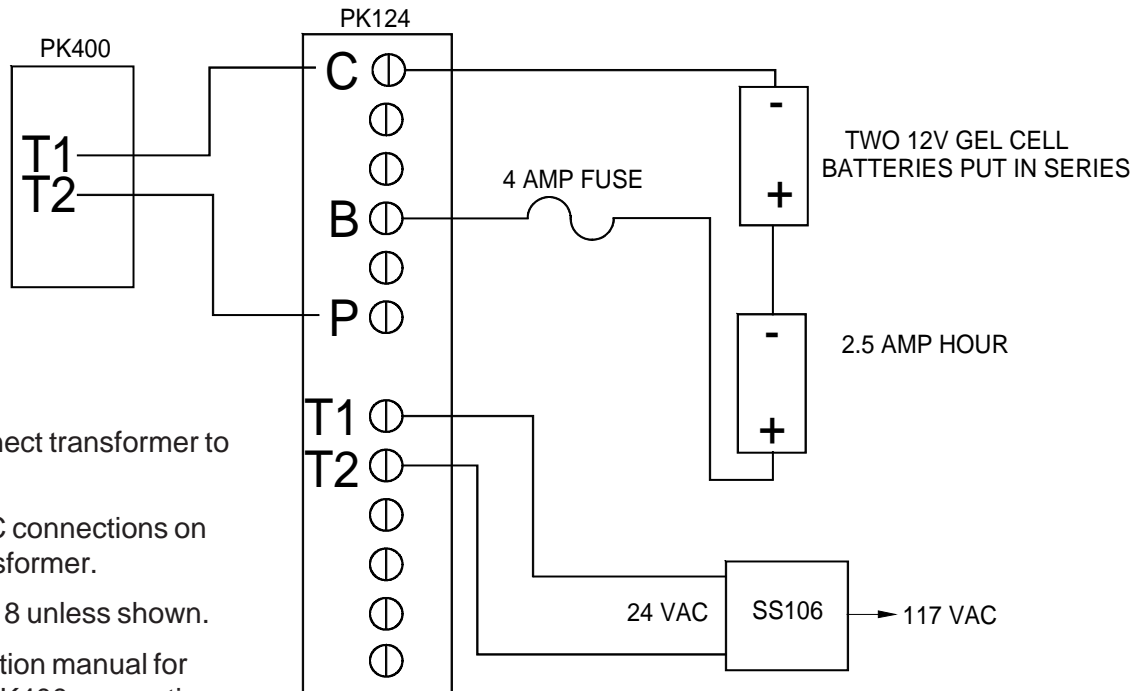
PK124 to PK2019/A (CM800, CM900) or SK109 (DS100) Interconnect Wiring Diagram



Notes:

1. Do not connect transformer to PK2019/A or SK019.
2. Use 24 VAC connections on SS106 transformer.
3. All wiring #18 unless shown.
4. See installation manual for additional PK2019/A or SK019 connections.

PK124 to PK400 Interconnect Wiring Diagram



Notes:

1. Do not connect transformer to PK400.
2. Use 24 VAC connections on SS106 transformer.
3. All wiring #18 unless shown.
4. See installation manual for additional PK400 connections.