



Communications  
for today... and tomorrow

## Tek-ENTRY® Vandal-Resistant Apartment Entry Systems

### Specification Sheets Submittal Package

as of 3/15/2012

[www.tektone.com](http://www.tektone.com)

**Phone:** (828) 524-9967  
**Toll-Free:** (800) 327-8466  
**Sales:** Option 2  
**Tech Support:** Option 3

277 Industrial Park Road  
Franklin, NC 28734  
[tektone@tektone.net](mailto:tektone@tektone.net)  
Fax: (828) 524-9968

*Copyright © 2012 TekTone® Sound & Signal Mfg., Inc., All rights reserved.*

No part of these publications may be copied without the express written permission of TekTone® Sound & Signal Mfg., Inc. The contents of these specification sheets are furnished for informational use only, are subject to change without notice, and should not be construed as a commitment by TekTone® Sound & Signal Mfg., Inc. TekTone® Sound & Signal Mfg., Inc. assumes no responsibility or liability for any errors or inaccuracies that may appear in this documentation.

TekTone, the TekTone logo, Tek-Call, Tek-Care, Tek-Check-In, Tek-Com, Tek-Digicare, Tek-Door, Tek-Entry III, Tek-Guard, Tek-Micro, Tek-Micro II, Tek-MMARS II, Tek-NIOS, Tek-NIOS II, Tek-Paging, Tek-Phone, Tek-Safe, Tek-Select II, Tek-Sentry, Tek-Sound, Tek-Status and Tek-View are either registered trademarks or trademarks of TekTone® Sound & Signal Mfg., Inc. in the United States and/or other countries. All other trademarks are the property of their respective owners.



# AM193, AM493 Series Speaker/Microphone Entrance Panels Specification Sheet

IL319  
Section A  
Rev. 8 - 03/2012



**AM193/08P**  
entrance panel  
with postal release option  
and OF191 frame



**AM493/08P**  
vandal-resistant  
entrance panel  
with postal release option  
and OF191 frame

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The entrance panel shall be TekTone®'s AM193 or AM493 series Speaker/Microphone Entrance Panel or approved equal and shall provide for up to 16 push buttons per panel.

The panel shall contain name and suite (or apartment) number card holders for button identification. The panel shall be flush or surface mounted and shall be finished in brushed aluminum.

## FEATURES

The AM193 and AM493 series Speaker/Microphone Entrance Panels are modular series for use with TekTone®'s TA205B handset intercom suite stations.

The panels are equipped with a voice frequency response speaker and microphone, and can accommodate up to 16 buttons per panel. For more than 16 suites, the AM193 is used in conjunction with an AM190/12 or AM190/22 button adder panel, while the AM493 is used with an AM490/12 or AM490/22 button adder panel.

The AM193 and AM493 series Speaker/Microphone Entrance Panels and TA205B handset intercom suite stations provide two-way communication between the building entrance and suite, in addition to telephonic privacy and hands-free loudspeaking at the entrance. Controlled entry is permitted by push button operation of the electric door release in the handset, if desired.

TekTone®'s AM193 and AM493 panels with 2–8 buttons are available with postal release option.

- Modular design
- Hands-free loudspeaking
- Weather-resistant speaker
- Easily accessible name holders

## SPECIFICATIONS

- Dimensions: Height: 16.5" (413 mm)  
Width: 4" (100 mm) each panel
- Push button: Individually replaceable with self-wiping contacts
- Speaker: 2.5" (64 mm) voice frequency response
- Construction: Modular extruded, anodized aluminum panel with high-impact grill
- Flush Mount: OH190 series housing and OF190 series frame
- Surface Mount: OF190S series frame

## REQUIRED COMPONENTS

- |                     |                       |
|---------------------|-----------------------|
| AM193, AM493 series | Entrance Panel        |
| PK205               | Amplifier             |
| SS102A or SS105B    | Transformer           |
| TA205B              | Handset Suite Station |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Sales: Choose option 2 • Tech Support: Choose option 3

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



# Tek-ENTRY® AM642 Series Vandal Resistant Entrance Panels Specification Sheet

IL524  
Section A  
Rev. 8 - 08/2010



**AM642 Series Entrance Panels**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The entrance panel shall be TekTone® AM642 Vandal-Resistant Series or approved equal, and shall provide for up to 16 push buttons per speaker panel. The panel shall include a weather-resistant Mylar speaker mounted behind a louvered panel and perforated aluminum material to protect the speaker from damage. Push button switches shall be individually replaceable with self-wiping contacts. The push button actuator shall be made of solid, extruded aluminum. In addition, the panel shall contain up to 16 individually replaceable name holders. The name holders shall be made of black flame-retardant polycarbonate plastic with clear flame retardant polycarbonate plastic lenses to protect card inserts.

The AM642 shall have top and bottom decorative end caps that shall also serve as mounting brackets to allow flush or surface mounting. The decorative end caps shall be made of black flame retardant polycarbonate plastic.

Each AM642 Panel, or approved equal, shall be supplied with name card sheets that may be easily separated into individual name strips. Name strips shall be inserted into name holders without the use of tools.

## FEATURES

The AM642 Series Vandal-Resistant Entrance Panel is for use with TekTone® loud-speaker type suite stations. The anodized aluminum panel is available in two sizes. The 4.75" × 11.25" panel accommodates 2 to 8 push buttons, and the 4.75" × 17.25" panel is used for applications requiring 10 to 16 push buttons or a postal release option.

Panels are equipped with a weather-resistant Mylar speaker protected by a louvered panel and perforated aluminum material. The speaker panel can accommodate up to 16 push buttons and actuators. In addition, the panel also contains up to 16 name holders with plastic lenses that snap easily into the panel and are individually replaceable.

- Vandal-resistant panel and push button actuators
- Hands-free loud-speaking
- Weather-resistant Mylar speaker
- Self-wiping push button switches
- Decorative end caps
- Individually replaceable name holders
- Slim-line surface-mount option
- Simple installation

## SPECIFICATIONS

- Dimensions: Height: 11.25" or 17.25"  
("S" suffix denotes surface mount)  
Width: 4.75"
- Push button: Individually replaceable type with self-wiping contacts
- Speaker: 2.5" (64 mm) voice frequency response
- Construction: Anodized extruded aluminum panel
- Housings, flush: OH600 Back Box for 2-8 buttons  
OH601 Back Box for 10-16 buttons
- Surface mount: Add "S" to panel part number, (i.e., AM642/10S).
- Name holders: 2.125" × 1.0625"

## REQUIRED COMPONENTS

- |                    |                    |
|--------------------|--------------------|
| IR100/200 Series:  | Apartment Stations |
| PK543A             | Amplifier          |
| SS102A (or SS105B) | Transformer        |
| OH600 (or OH601)   | Back Box           |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# Tek-ENTRY® AM492 Vandal Resistant Apartment Intercom System Specification Sheet

IL462  
Section A  
Rev. 11 - 08/2010



**AM492 Series Entrance Panel**  
shown with OF191 frame

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The apartment intercom system entrance panel shall be TekTone® AM492 Vandal Resistant Series or approved equal, and shall provide for up to 18 push buttons per speaker panel.

The panel shall include a weather-resistant Mylar speaker mounted behind a louvered panel and perforated aluminum material to protect the speaker from damage. Push button switches shall be individually replaceable type with self-wiping contacts. Push button actuators shall be made of solid, extruded aluminum. In addition, the panel shall contain up to 18 individual name holders. The name holders shall be made of black flame-retardant polycarbonate plastic with clear flame retardant polycarbonate plastic strips to protect card inserts. Each name holder shall snap into two small slots on the panel itself and shall be individually replaceable.

The panel shall be flush or surface mounted and shall be finished in brushed aluminum.

## FEATURES

The AM492 Series Vandal Resistant Apartment Intercom System Entrance Panel is a modular series for use with TekTone® apartment intercom stations. Panels are equipped with a Mylar, voice-frequency response speaker protected by a louvered panel and perforated aluminum material. The speaker panel can accommodate up to 18 push buttons. For more than 18 apartments, the AM492 is used with the AM490/12 or AM490/22 push button add-on panel.

Pressing the button corresponding to the desired name and apartment number causes a buzzing at the apartment station. The resident may then converse with the caller. Controlled entry is permitted by push button operation of the electric door release. AM492 panels with 0–10 buttons are available with postal option.

- Vandal resistant panel and push button actuators
- Weather-resistant Mylar speaker
- Fully-enclosed back box with knockouts
- Modular design
- Hands-free loudspeaking
- Individually replaceable name holders (black flame retardant polycarbonate plastic)
- Self-wiping push button switches
- Slim-line surface mount option

## SPECIFICATIONS

- Dimensions: Height: 16.5" (419 mm)  
Width: 4" (102 mm) each panel
- Speaker: 2.5" (64 mm) Mylar
- Push Button: Individually replaceable with self-wiping contacts.
- Construction: Modular extruded, anodized aluminum panel and push button actuators.
- Housings: OH190 Series for flush mounting. OF190S Series frame for surface mounting.

## REQUIRED COMPONENTS

- |           |                             |
|-----------|-----------------------------|
| IR Series | Apartment Intercom Stations |
| OF Series | Frames                      |
| OH Series | Housings                    |
| PK543A    | Amplifier                   |
| SS Series | Transformers                |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# Tek-ENTRY® Vandal Resistant Apartment Entry Panels Specification Sheet

IL500  
Section A  
Rev. 9 - 08/2010

**CM492/024  
OF192 Frame and  
AM190D Directory**



**CM491/016  
OF291 Frame**



## FEATURES

The CM492 series vandal resistant apartment entry panels are modular so that adding additional button panels (if required), directory panels, frame and housing will comprise a complete entrance panel. The CM491 series vandal resistant apartment entry panel is available with 4, 8, 12, 16 or 20 buttons and includes an integral directory. Panels are equipped with a Mylar voice-frequency response speaker protected by a louvered grill and perforated aluminum material. The aluminum push button actuators may be engraved with up to four letter/digit combinations.

- Vandal resistant panel and push button actuators
- Weather resistant Mylar speaker
- Fully enclosed back box with knockouts
- Hands-free loudspeaker (or optional handset)
- Engraveable solid aluminum and push button actuators
- Vandal resistant Lexan® directories\*
- Slim-line surface mount frame option
- Tamper resistant mounting screws

## SPECIFICATIONS

|                |  |
|----------------|--|
| Dimensions:    | Height: 16.5" (418 mm)                             |
|                | Width: 4" (100 mm)                                 |
| Speaker:       | 2.5" (63.5 mm) Mylar                               |
| Construction:  | Modular extruded anodized aluminum                 |
| Flush Mount:   | CM491 OF291 frame, OH191 housing                   |
|                | CM492 OF190 series frame,<br>OH190 series housing  |
| Surface Mount: | CM491 OF291S frame                                 |
|                | CM492 OF190S series frame                          |
| Plungers:      | Engraved extruded aluminum                         |
| Push Button:   | Individually replaceable with self-wiping contacts |

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The entrance panel shall be TekTone®'s vandal resistant CM491 series or CM492 series. CM492 shall contain as many engraved plungers as there are apartments or areas to be called. CM491 shall contain 4, 8, 12, 16 or 20 engraved plungers. Directory panels shall be supplied to accommodate an equivalent number of tenant names.

The panel shall include a weather resistant Mylar speaker mounted behind a louvered grill and perforated aluminum material to protect the speaker from damage. Push button switches shall be individually replaceable with self-wiping contacts. Push button actuators shall be made of solid, extruded aluminum suitable for engraving.

All mounting screws shall be tamper resistant. The panel shall be flush or surface mounted and shall be finished in brushed aluminum.

## COMPONENTS

|              |                                   |
|--------------|-----------------------------------|
| AM190D       | Directory Panel                   |
| IR series    | Speaker-type Remote Stations      |
| PK543/A      | Amplifier                         |
| RP055EN      | Apartment Number Button Engraving |
| SS Series    | Transformer                       |
| OF/OH Series | Frame & Housing                   |

\*Note: Lexan® is a Registered Trademark of General Electric Corporation.

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# IR085B Apartment Intercom Station Specification Sheet

IL614  
Section A  
Rev. 6 - 08/2010



**IR085B**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

Suite stations shall be TekTone® IR085B, or approved equal, and shall be large enough to cover the area occupied by the previous intercom unit. Momentary action push buttons shall be provided for **TALK**, **LISTEN** and **DOOR** operations. The speaker/microphone shall be 3.5" (89 mm) high-sensitivity type with voice-frequency response. Screw terminal connections shall be provided and required wiring shall be just three common wires and one selective wire.

## FEATURES

The IR085B Apartment Intercom Station is designed specifically for renovation use and is large enough to cover the area occupied by most existing intercom units, making repainting unnecessary. The reduced wiring requirement permits using the existing wiring (if in good condition), while the advanced electronic design permits use in large or small buildings. A wide variety of optional accessories are available to provide additional functions, such as dual entrance operation, post office door release, silent door operation, etc.

Pressing the appropriate button on the entrance panel causes an electronic call tone to be heard in the apartment stations. The tenant responds by pushing the **TALK** button while speaking to a caller, the **LISTEN** button while waiting for a reply, and the **DOOR** button to allow entry to the building.

- Simple push button operation
- Automatic privacy
- Easy installation
- Large panel covers most openings

## SPECIFICATIONS

Dimensions:    Width:    8.75"    (222 mm)  
                         Height:    6.5"    (165 mm)

Construction:    Steel faceplate with white vinyl coat.

Controls:        Individually replaceable push buttons with self-wiping plated contacts., identified for **TALK**, **LISTEN** and **DOOR** functions.

Speaker/Mic:    3.5" (89 mm) with voice response, also used for electronic tone signal.

Mounting:        Mounting holes may be positioned to accommodate an existing back box. Supplied without holes or mounting screws, unless custom ordered.

## REQUIRED COMPONENTS

|                     |                       |
|---------------------|-----------------------|
| PK543A              | Amplifier             |
| PO001               | Door Release          |
| SS102A, SS105B      | Transformer           |
| AM192, CM192, AM600 | Series Entrance Panel |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)  
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)



# IR086S Apartment Intercom Station Specification Sheet

IL503  
Section A  
Rev. 8 - 08/2010



**IR086S**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

Suite stations shall be TekTone® IR086S, or approved equal, and shall be large enough to cover the area occupied by the previous intercom. Momentary-action push buttons shall be provided for **TALK**, **LISTEN** and **DOOR** operations.

The speaker/microphone shall be a 3.5", high-sensitivity type with voice-frequency response. Pigtail or plug-in terminal connections shall be provided.

## FEATURES

The IR086S Apartment Station is designed specifically for replacement of 3311-type apartment intercom stations, and is not meant for use with TekTone® systems and amplifiers. The unit is large enough to cover the area occupied by most existing units, making repainting unnecessary.

The caller, by pressing the appropriate button on the entrance panel, causes an electronic call tone to be heard in the apartment station. The tenant responds by pushing the **TALK** button while speaking to the caller, the **LISTEN** button while waiting for a reply, and the **DOOR** button to allow entry to the building.

- Simple push button operation
- Easy installation

## SPECIFICATIONS

|               |   |
|---------------|---|
| Dimensions:   | Height: 6.875" (175 mm)<br>Width: 6.125" (155 mm)   |
| Construction: | Steel faceplate with white vinyl coat.  |
| Controls:     | Individually replaceable type push buttons with self-wiping, plated contacts. Identified <b>TALK</b> , <b>LISTEN</b> , and <b>DOOR</b> functions. |
| Speaker/Mic:  | 3.5" (89 mm) with voice response. Also used for electronic tone signal.   |
| Mounting:     | Mounting holes are positioned to accommodate an existing surface or flush back-box. Supplied with holes and mounting screws.                      |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)  
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)



# IR087A Apartment Intercom Station Specification Sheet

IL723  
Section A  
Rev. 4 - 08/2010



**IR087A**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

Suite stations shall be TekTone® IR087A, or approved equal, and shall be large enough to cover the area occupied by the previous intercom unit. Momentary action push buttons shall be provided for **TALK**, **LISTEN**, and **DOOR** operations. The speaker/microphone shall be 3.5" high-sensitivity type with voice-frequency response.

Screw terminal connections shall be provided and required wiring shall be only three common wires and one selective wire for IR087A stations.

## FEATURES

The IR087A Apartment Station is designed specifically for renovation use and is large enough to cover the area occupied by most existing intercom units, making repainting unnecessary. The reduced wiring requirement permits using the existing wiring (if in good condition), while the advanced electronic design permits use in large or small buildings. A wide variety of optional accessories is available to provide additional functions, such as dual entrance operation, post office door release and silent door operation.

- Simple push button operation
- Automatic privacy
- Easy installation
- Large panel covers most openings

## SPECIFICATIONS

Dimensions: Height: 8.75" (222 mm)  
Width: 6.5" (165 mm)  
Construction: Steel faceplate with white vinyl coat.  
Controls: Individually replaceable type push buttons with self-wiping plated contacts. Identified for **TALK**, **LISTEN**, and **DOOR** functions.  
Speaker/Mic: 3.5" (89 mm) with voice response. Also used for electronic tone signal.  
Mounting: Mounting holes may be positioned to accommodate an existing back box. Supplied without holes or mounting screws.

## REQUIRED COMPONENTS

|                     |                       |
|---------------------|-----------------------|
| PK543A              | Amplifier             |
| PO001               | Door Release          |
| SS102A, SS105B      | Transformer           |
| AM192, CM192, AM600 | Series Entrance Panel |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# IR103E, IR104E, IR105E Apartment Intercom Stations Specification Sheet

IL486  
Section A  
Rev. 11 - 08/2010



**IR103E, IR104E, IR105E**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

Suite stations shall be TekTone®'s IR103E, IR104E or IR105E. The stations shall be equipped with momentary-action push buttons for talk, listen and door operation. Buttons shall be labeled in English, and with both international and Braille symbols. The speaker/microphone shall be a 2.5" high-sensitivity type with voice-frequency response. The station shall have an attractive, flame-retardant ABS plastic faceplate with screw terminal connections.

Required wiring shall be just 2 common and 1 selective wires for the IR103E station; 3 common and 1 selective wires for the IR104E station; and 4 common and 1 selective wires for the IR105E station.

## FEATURES

The IR103E, IR104E and IR105E Apartment Intercom Stations combine modern styling with ease of operation to provide natural, clear voice communication and positive door-release operation. The attractive, flame-retardant ABS plastic faceplates are flush mounted and blend with any setting. The advanced circuitry and versatility permit use in large or small buildings, with one or several entrances.

A wide variety of optional accessories is available to provide additional functions, such as multiple entrance operation and post office door release.

- Flush mounting
- Simple, push button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Precision-engineered for reliability
- English text, international symbols and Braille

## SPECIFICATIONS

Dimensions: Height: 6.875" (175 mm)  
Width: 5" (127 mm)  
Depth: 1.25" (32 mm)

Finish: Flame-retardant ABS plastic.

Controls: Individually replaceable push buttons with self-wiping contacts. Identified for talk, listen and door functions.

Speaker/Mic: 2.5" (89 mm) with voice response. Also used for electronic tone signal.

Connection: Screw terminals

Housings: IH102 ring or IH101 box

## REQUIRED COMPONENTS

|              |                 |
|--------------|-----------------|
| AM/CM Series | Entrance Panels |
| PK543A       | Amplifier       |
| SS Series    | Transformers    |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# IR203E, IR204E, IR205E Apartment Intercom Stations Specification Sheet

IL233  
Section A  
Rev. 19 - 08/2010



**IR203E, IR204E, IR205E**

### ARCHITECTS' AND ENGINEERS' SPECIFICATION

Apartment intercom stations shall be TekTone®'s IR203E, IR204E or IR205E. The stations shall be equipped with momentary-action push buttons for talk, listen and door operation. Buttons shall be labeled in English, and with both international and Braille symbols. The speaker/microphone shall be a 2.5" high-sensitivity type with voice-frequency response. The station shall have an attractive, flame-retardant ABS plastic faceplate with screw terminal connections.

Required wiring shall be just 2 common and 1 selective wires for the IR203E station; 3 common and 1 selective wires for the IR204E station; and 4 common and 1 selective wires for the IR205E station.

### FEATURES

The IR203E, IR204E, IR205E Apartment Intercom Stations combine modern styling with ease of operation to provide natural, clear voice communication and positive door-release operation. The attractive flame-retardant ABS plastic faceplates are surface mounted, and blend with any setting. The advanced circuitry and versatility permit use in large or small buildings, with one or several entrances.

A wide variety of optional accessories is available to provide additional functions, such as multiple entrance operation and post office door release.

- Surface mounted
- Simple, push button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Precision-engineered for reliability
- English text, international symbols and Braille

### SPECIFICATIONS

|              |  |                 |
|--------------|--|-----------------|
| Dimensions:  | Height:  | 6.875" (175 mm) |
|              | Width:   | 5" (127 mm)     |
|              | Depth:   | 1.25" (32 mm)   |
| Finish:      | Flame-retardant ABS plastic.   |                 |
| Controls:    | Individually replaceable push buttons with self-wiping contacts. Identified for talk, listen and door functions. |                 |
| Speaker/Mic: | 2.5" (62.5 mm) with voice response. Also used for electronic tone signal.  |                 |
| Connection:  | Screw terminals standard.  |                 |
| Housings:    | Single-gang ring or single-gang electrical box.  |                 |

### REQUIRED COMPONENTS

|              |                 |
|--------------|-----------------|
| AM/CM Series | Entrance Panels |
| PK543A       | Amplifier       |
| SS Series    | Transformers    |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# IR207B 4-Wire Apartment Station Specification Sheet

IL183  
Section A  
Rev. 13 - 03/2010



**IR207B**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

Suite stations shall be TekTone® IR207B or approved equal, with a rugged stainless steel panel and momentary action push buttons for talk, listen and door operation. The 2.5" × 2.5" speaker/microphone shall have voice-frequency response and shall be secured by stainless steel studs.

Screw terminal connections shall be provided. Required wiring shall be just 3 common and 1 selective wires.

## FEATURES

The IR207B Apartment Stations are rugged, dependable units combined with advanced electronic design to provide natural, clear voice communication and positive door release operation. These versatile stations may be used in large or small buildings and feature a wide variety of optional accessories to provide needed additional functions, such as multiple entrance, post office door release, timed door release operation, etc.

- Simple push button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Rugged and reliable

## SPECIFICATIONS

Dimensions: Height: 4.5" (115 mm)  
Width: 4.5" (115 mm)

Finish: Satin brushed stainless steel

Controls: Individually replaceable push buttons with self-wiping contacts. Identified for **TALK**, **LISTEN** and **DOOR** functions.

Speaker/Mic: 45 ohms, 2.5" × 2.5"

Connections: Screw terminals

Housing: Standard 2-gang electrical box

Wiring: 3 common and 1 selective

## REQUIRED COMPONENTS

|                  |                |
|------------------|----------------|
| PK543A           | Amplifier      |
| PO001            | Door Release   |
| CM192 or AM192   | Entrance Panel |
| SS102A or SS105B | Transformer    |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)



# LI404B Strobe Specification Sheet

IL544  
Section E  
Rev. 8 - 08/2010



**LI404B Corridor Light**

### ARCHITECTS' AND ENGINEERS' SPECIFICATION

Strobe light shall be TekTone® LI404B or approved equal. Operation shall be accomplished by placing a call to a remote station. The strobe light shall flash for approximately 15–20 seconds upon detection of the incoming call signal.

The strobe light shall have a brightness of 15 candela per UL® 1971 (75 candela per UL® 1638). It shall be encased in an attractive, flame retardant (UL® 94V-0) plastic housing.

The strobe light shall meet ADA and UL® requirements for signaling appliances.

### FEATURES

The LI404B Strobe is a high-intensity remote visual signaling device for use with TekTone® PK543, PK205 and PK104B Amplifier Apartment Systems, and with TekTone® PK502B Transfer Relays. The unit is primarily for use in locations where hearing-impaired persons require supplemental call notification, but can be used anywhere a visual indication of an incoming call is desired. The bright strobe light flashes for approximately 15–20 seconds when an incoming call is detected.

The device can be installed in most standard single or double gang electrical boxes or similar indoor openings. It is not a weatherproof device and therefore should not be used for any outdoor applications. Installation is facilitated by the use of simple connections to the pre-mounted circuitry and a complement of mounting hardware.

The LI404B Strobe Light portion meets ADA and UL® 1971 requirements.

### SPECIFICATIONS

|               |   |                       |           |
|---------------|---|-----------------------|-----------|
| Dimensions:   | Height:   | 5.5"                  | (140 mm)  |
|               | Width:  | 4.5"                  | (114 mm)  |
|               | Depth :   | 3.5"                  | (89 mm)   |
|               | Projects:   | 2.5"                  | (63.5 mm) |
|               |   | from mounting surface |           |
| Construction: | Attractive, flame-retardant (UL® 94V-0) plastic housing |                       |           |
| Strobe:       | 15 candela per UL® 1971                                 |                       |           |
| Power:        | 24 VDC, 57 mA DC nominal                                |                       |           |
| Wiring:       | 18 gauge minimum, 750' maximum                          |                       |           |
| Installation: | Standard single or dual gang box                        |                       |           |

### REQUIRED COMPONENTS

PK amplifier system: includes PK543, PK205, and related system components (PK502B Transfer Relays, IR & TA Remote Stations, CM & AM Entrance Panels)

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

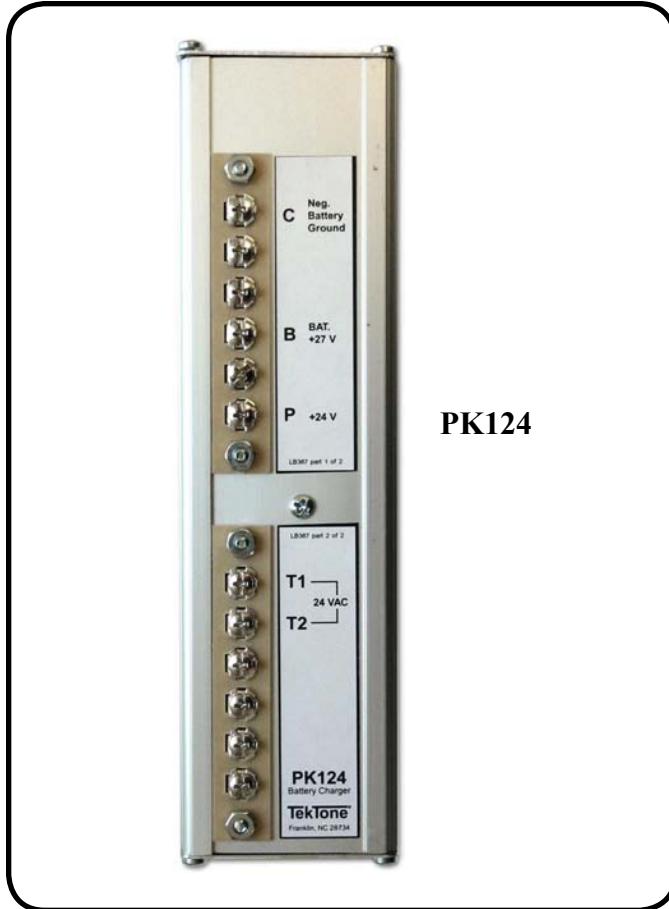
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# 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 |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# 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 |        |          |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

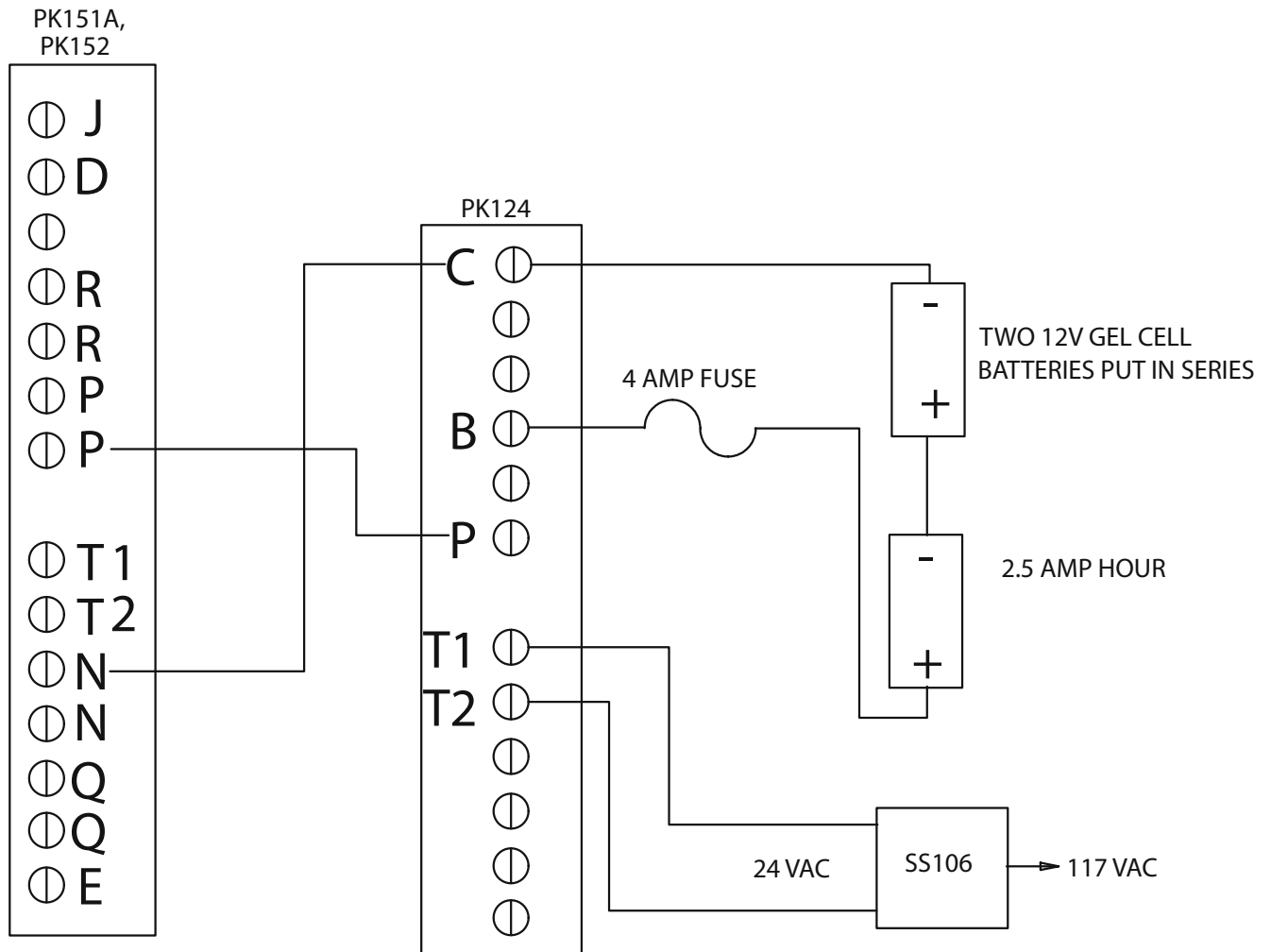
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)



# Wiring Diagrams for PK124 Battery Charger

IL426  
Section E  
Rev. 11 - 03/2012

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



### Notes:

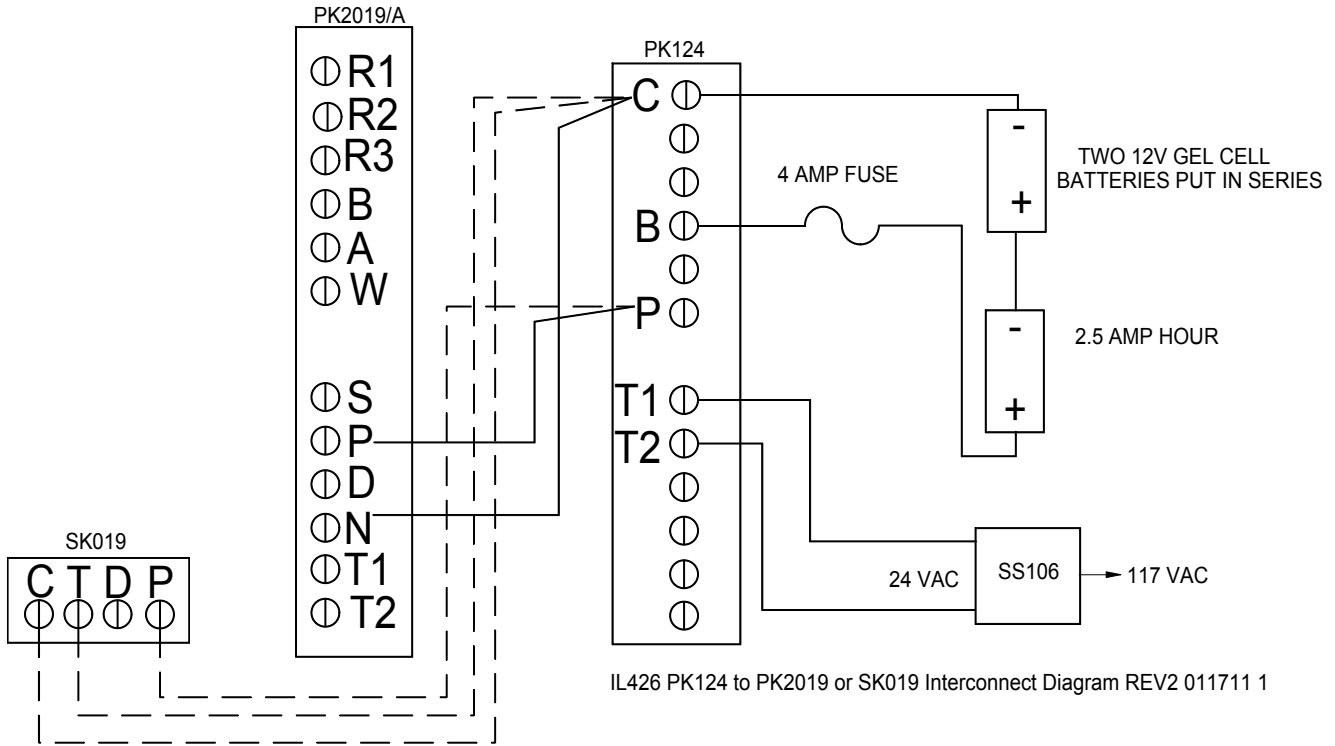
1. Do not connect transformer to PK151A or PK152.
2. Use 24 VAC connections on SS106 transformer.
3. All wiring #18 unless shown.
4. See installation manual for additional PK151A or PK152 connections.

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Sales: Choose option 2 • Tech Support: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)

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

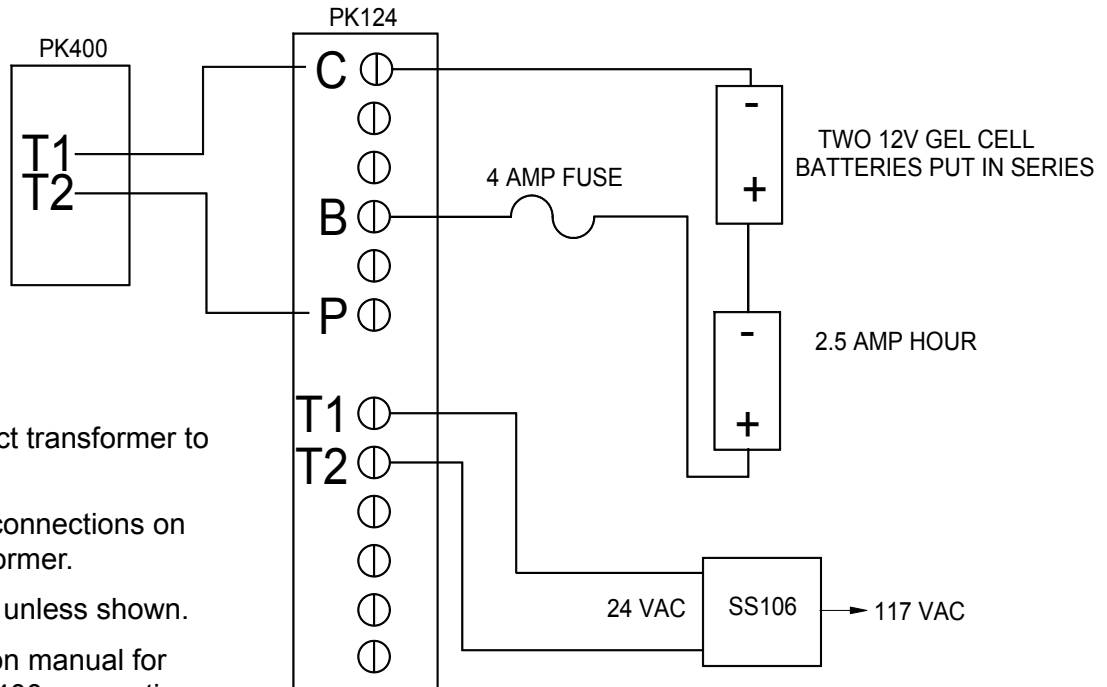


IL426 PK124 to PK2019 or SK019 Interconnect Diagram REV2 011711 1

### 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.

IL426 PK124 to PK400 Interconnect Diagram REV1 011711 1



# PK205 Intercom Amplifier Specification Sheet

IL246  
Section A  
Rev. 8 - 08/2010



**PK205 Intercom Amplifier**

## FEATURES

The PK205 Intercom Amplifier is designed for use with the TA205B Handset Intercom Suite Station and provides the amplification, control and power circuits needed to operate a complete apartment intercom system. Using solid-state technology and constructed with high-quality components, this amplifier is designed for long-lasting reliable performance. Optional accessories are available to provide additional functions such as dual-entrance operation, post office door release, etc.

- Low voltage operation
- Rugged aluminum construction
- Volume adjustment
- 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 on a printed circuit board

Amplification: Solid-state circuitry

Door Switching: Heavy-duty relay with nylon dust cover (buzzing operation)

Controls: Volume adjustment

Connections: Screw terminals

Mounting: Surface (usually installed in entrance panel housing)

Power Required: 16 volts AC 10 VA

Temperature: 0° C–50° C

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The intercom amplifier shall be a TekTone® PK205 or approved equal, and shall provide the control, amplification and power circuits to operate the entire intercom system. The amplifier shall have rugged aluminum construction, adjustable volume, and balanced input. Low voltage wiring shall be used and screw terminals shall be provided for ease of installation.

## REQUIRED COMPONENTS

|                       |                       |
|-----------------------|-----------------------|
| AM193 or AM493 Series | Entrance Panels       |
| PO001                 | Door Release          |
| SS102A or SS105B      | Transformer           |
| TA205B                | Handset Suite Station |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# Installation Instructions for PK502B

## Dual Entrance Control Unit

IL499  
Section A  
Rev. 19 - 03/2012

### Application

The TekTone® PK502B Dual Entrance Control Unit provides a means to connect TekTone® Apartment Intercom amplifiers to more than one entrance. Voice and door release functions are automatically transferred to the calling entrance. The quantity of PK502Bs needed is equal to one less than the number of entrances.

### Procedure

**Warning: This switching unit will not function unless programmed for use—see Test Step #1.**

1. Determine equipment location.
2. Install wiring.
3. Install equipment.
4. Check wiring and make connections.
5. Apply power and check operation.

### Equipment Location

Locate the PK502B within 3' (1 m) of the intercom amplifier. If more than one PK502B is used, install them all in the same area. Keep the PK502B away from direct heat or extreme cold. Operating temperature should be between 10°F and 90°F.

### Wiring

1. The first PK502B will support two entrances; each additional PK502B will support one additional entrance. For example, a three-entrance system will have two PK502Bs. See *Figure 2* for an example with additional entrances.
2. Wire the suite station common wires to the amplifier, and wire the power transformer according to instructions supplied with the amplifier.
3. If more than one PK502B is used, run 1 cond. #18 plus 7 cond. #22 between PK502Bs. Run 3 cond. #18 plus 3 cond. #22 from the last PK502B to the amplifier.
4. Run 2 cond. #22 twisted shielded (2 cond. #22, plus 2 cond. #22 shielded for PK205 amplifiers) from each entrance panel to the associated PK502B.
5. Run multi-cond. #22 cable (use 1 cond. per suite station) from entrance panel to entrance panel, and from one entrance panel to the suite stations, as required by instructions supplied with amplifier.

6. From each entrance door release, run 1 cond. #18 to the PK502B and 1 cond. #18 to the amplifier.
7. If a Post Office (P.O.) lock adapter is used, run 1 cond. #18 to the amplifier, and 1 cond. #18 to the associated door release from the P.O. lock adapter. In the wiring diagram, the P.O. lock adapter is shown connected to door release #1, but it may be connected to whichever door release is required.

### Connections

1. Make connections as shown on the wiring diagram for the amplifier being used. (For PK543/A amplifier, refer to *Figure 1*, *Figure 2* and *Figure 3*. For PK205 amplifier, refer to *Figure 4* and *Figure 5*.) If more than two PK502Bs are used, break the connections going from the PK502Bs outside the dashed lines to the amplifier and insert the wiring shown inside the dashed lines for any additional PK502Bs.
2. If a P.O. lock adapter is used, do not connect it until a P.O. lock is obtained from the post office. When ready, make connections as shown on the appropriate wiring diagram.
3. Connect transformer to power source and follow the test procedures in the next section.

### Test

After performing the test required in the amplifier's instructions, do the following:

1. The PK502B must be programmed to operate with the amplifier being used. Locate the programming switch and set switches as follows.  
  
To use a PK543/A or PK205 amplifier, set switches 2 and 4 **on** and switches 1, 3 and 5 **off**. Failure to set the programming switches properly will result in faulty operation, but will not cause permanent damage to the PK502B.
2. Perform tests required in the amplifier's instructions, then at each entrance, press a call button and observe the following:
  - a. The buzz tone should be heard at the called suite station.
  - b. If the Entrance Tone is enabled at the amplifier, then the buzz tone should be heard at the entrance panel.

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)  
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Sales: Choose option 2 • Tech Support: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)

- c. Voice communication should be possible with the called suite station.
  - d. If the door button is pressed at the suite station, the door release should operate. When the door release time has passed, the PK502B's red test light should be *off*.
3. If the P.O. lock adapter is installed, it may be tested by using a postal service key, or by operating the P.O. lock adapter micro switch if a key is unavailable. The door time delay on the amplifier does not affect the P.O. lock adapter.

## Troubleshooting

If the system fails to operate properly, check all wiring. If the wiring is correct, check the troubleshooting points on the amplifier installation instructions. Then check the following:

### No buzz:

Check wiring to terminal Z1 and Z2. If more than one PK502B is used, then the entrance #2 buzz wire must connect to all PK502B's.

### No voice communication:

Check wiring to terminals S0, S1, S2, M0, M1 and M2.

### No door release:

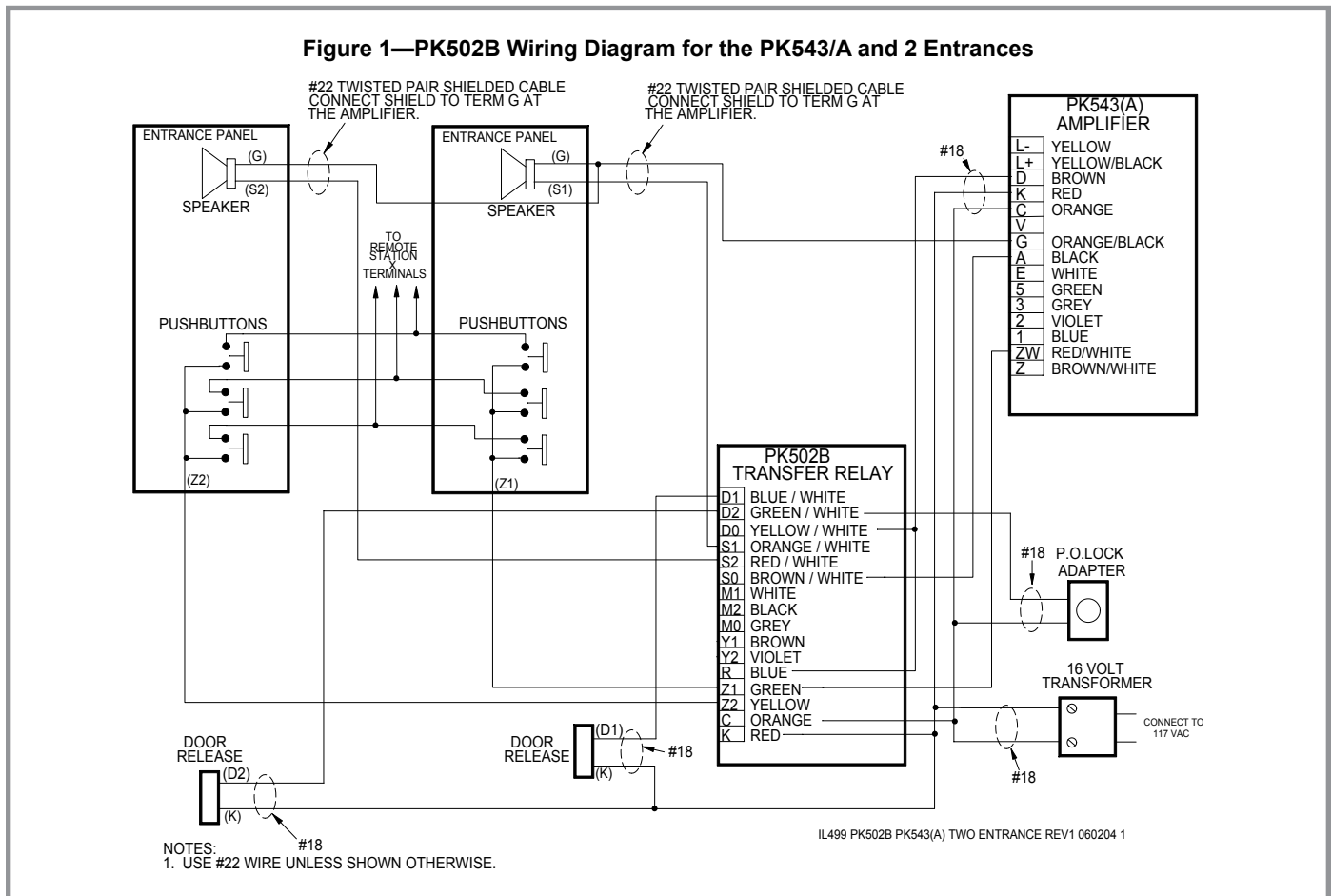
Check wiring to terminals D0, D1 and D2.

## Diagnostic Test Procedure

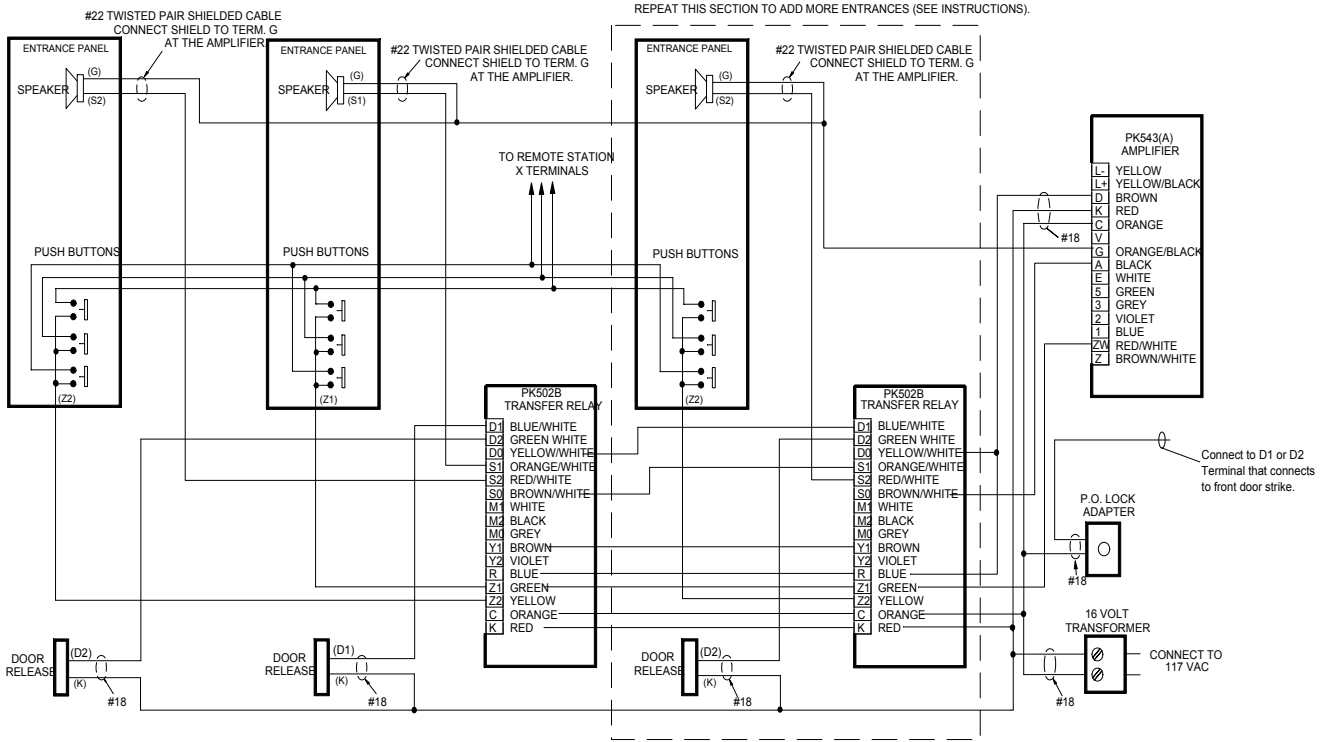
The PK502B has a built-in test circuit. This step should normally be unnecessary, but to test the PK502B do the following:

1. Set all programming switches *off*.
2. The red test light, located behind the wiring connector, should be *off*. If it is *on*, wait 3 minutes for time out, and it should be *off*.
3. Set programming switch #1 *on*. The red test light should be *on*.
4. Set programming switch #2 *on*. The red test light should be *off*. In a quiet location, a click may be heard as the internal relay operates.
5. Set all programming switches *off*. The red test light should remain on for about 2 minutes. It is not necessary to wait for it to go *off* unless busy light trouble is encountered.
6. Reset programming switches to the desired amplifier setting as shown in *step 1 of the Test Section*. Failure to set the programming switches properly will result in faulty operation.

If the test circuit fails this procedure, replace the PK502B.



**Figure 2—PK502B Wiring Diagram for the PK543/A and 3 to 8 Entrances**

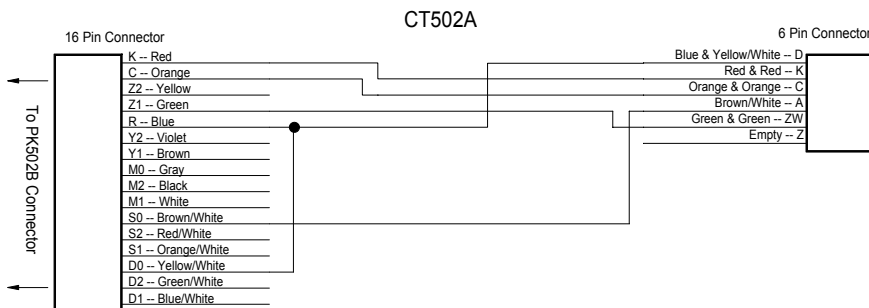


NOTES:1. USE #22 WIRE UNLESS SHOWN OTHERWISE.

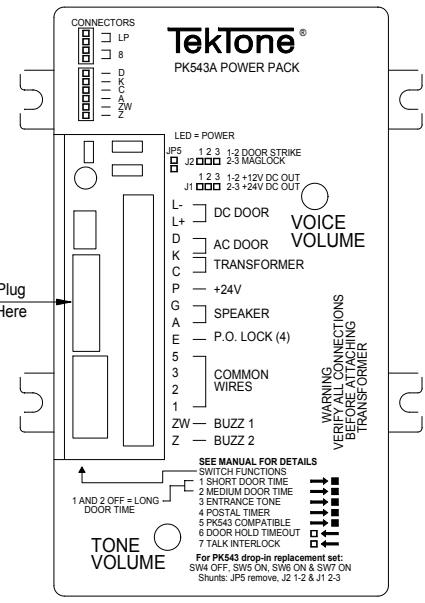
IL499 PK502B PK543(A) THREE ENTRANCE REV1 060204 1

**Figure 3—Using a CT502A Connector to Interconnect the PK502B and the PK543A**

**Explanation:**  
The CT502A is intended to provide a quick and easy means to interconnect the PK502B and the PK543A via a direct connection. Each connector includes additional unconnected wires for connection to additional devices beyond the initial PK502B and PK543A.

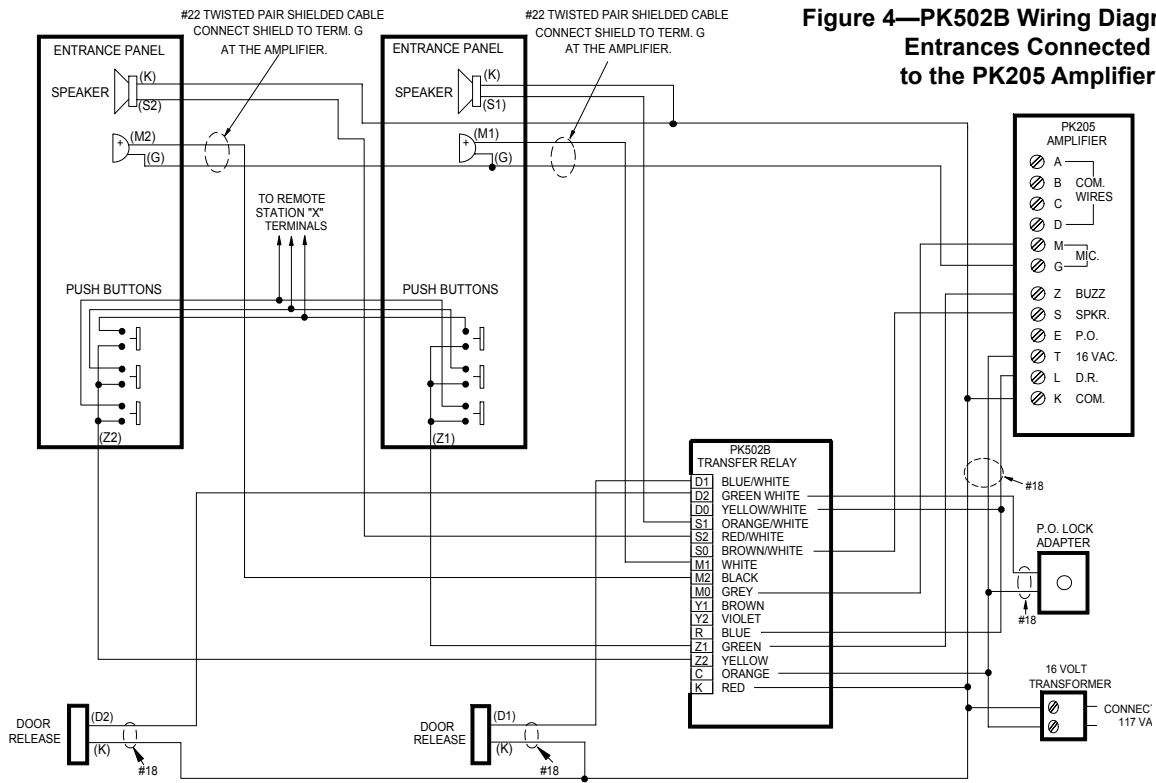


- Notes:**
1. To convert a CT502A to CT502, simply cut off the 6 pin connector.
  2. The "Z" output can be used by relocating the Green & Green wire combination to the empty "Z" opening on the 6 pin connector.
  3. Additional wires are provided on the 6 pin connector (K, C, & ZW (or Z)) to facilitate connection to additional PK502B units. If unused, these must be isolated and taped off.



IL499 CT502A PK543A Connection Information Rev0 060204 1

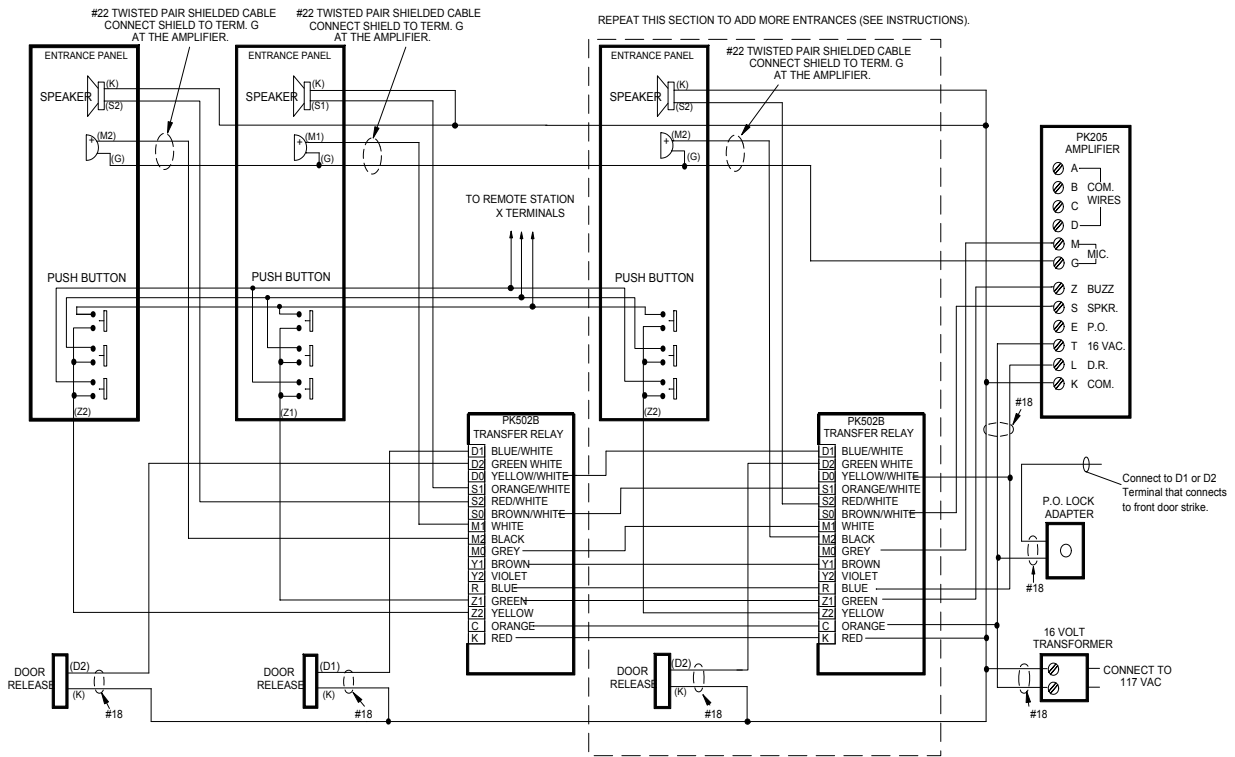
**Figure 4—PK502B Wiring Diagram for 2 Entrances Connected to the PK205 Amplifier**



IL499 PK502B PK205 TWO ENTRANCE REV1 060204 1

- NOTES:
1. USE #22 WIRE UNLESS SHOWN OTHERWISE.
  2. USE SHIELDED WIRE FOR MICROPHONES AS SHOWN.
  3. CONNECT SPEAKER COMMONS DIRECTLY TO THE AMPLIFIER.
  4. CONNECT REMOTE STATION COMMON WIRING AS REQUIRED FOR SINGLE ENTRANCE.

**Figure 5—PK502B Wiring Diagram for 3 to 8 Entrances Connected to the PK205 Amplifier**



IL499 PK502B PK205 THREE ENTRANCE REV1 060204 1

- NOTES:
1. USE #22 WIRE UNLESS SHOWN OTHERWISE.
  2. USE SHIELDED WIRE FOR MICROPHONES AS SHOWN.
  3. CONNECT SPEAKER COMMONS DIRECTLY TO THE AMPLIFIER.
  4. CONNECT REMOTE STATION COMMON WIRING AS REQUIRED FOR SINGLE ENTRANCE.



# PK543A Apartment Intercom Amplifier for 5-, 4- & 3-Wire Remote Stations Specification Sheet



### FEATURES

The PK543A Apartment Intercom Amplifier is a self-contained unit that does not require an external amplifier. The PK543A is designed for use with 3-, 4- or 5-wire apartment remote stations and provides amplification, control and power circuits needed to operate a complete apartment intercom system. Voice volume control and tone volume control are easily adjustable through the screwdriver opening on the front panel.

Additional functions include multiple door entrance operation with the PK502B; AC, DC or Maglock configurations with three selectable delayed door timing modes; post office door lock release; steady or warble call tones; power LED; selectable door button hold timeout; and selectable talk before door interlock (available for 4-wire stations only).

### ARCHITECTS' AND ENGINEERS' SPECIFICATION

The intercom amplifier shall be PK543A or approved equal, and shall provide the amplification, control and power circuits needed to operate the entire intercom system. The amplifier shall feature integrated circuit amplification, integrated circuit tone oscillator (supporting steady and warble tone modes). User access to the voice volume control and call tone volume control shall be provided for field adjustment.

Unit shall also provide for AC, DC or Maglock (12 VDC/24 VDC) door release with three selectable delayed door timing modes and support for postal lock door access control. Steady and warble tone options shall be available to provide identification of call source from entrance panel or suite call button. Unit shall include power LED and selectable options to provide door button hold timeout and talk interlock (talk button must be pressed before door button is pressed—available for 4-wire stations only). A specific function connector shall be provided to facilitate connection to devices that provide multiple entrance panel functionality. Low voltage wiring shall be used and plug-in type terminals shall be provided for installation wiring.

### SPECIFICATIONS

Dimensions:      Height:    5.5"    (140 mm)  
                          Width:    3.125" (80 mm)  
                          Depth:    2"      (51 mm)

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

Amplification:    Integrated Circuit amplifier including amplifier with frequency response, adjusted for ideal voice quality.

Call Tone:        Integrated circuit oscillator with steady and warble modes

Door Release:    AC, DC or Maglock (12 VDC/24 VDC)

Controls:         Voice Volume, Tone Volume and Dipswitches for selectable modes

Connections:     Polarized plug-in type

Power Required: 16 VAC, 10 VA

Mounting:        Surface mount

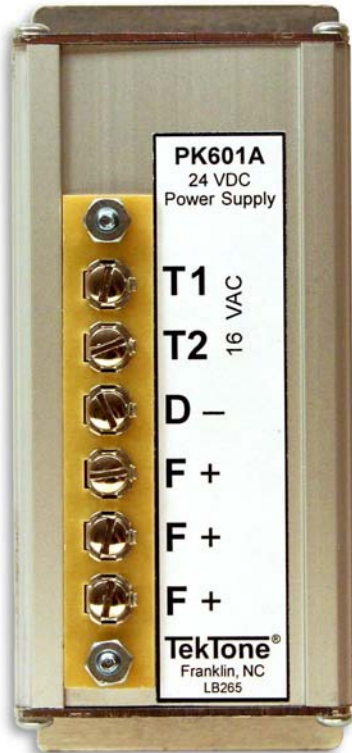
### REQUIRED COMPONENTS

|                 |                 |
|-----------------|-----------------|
| AM or CM series | Entrance Panels |
| IR Series       | Remote Stations |
| SS Series       | Transformers    |



# PK601A 24 VDC Power Supply Specification Sheet

IL420  
Section D  
Rev. 11 - 08/2010



**PK601A**  
**24 VDC Power Supply**

## FEATURES

The PK601A is a 24 VDC power supply designed to power auxiliary signaling devices used in TekTone® emergency call systems. The unit provides a filtered 24 VDC output rated at 1 amp.

Although specifically designed for use with emergency call systems, the PK601A may also be used as a DC silent door opener adapter in TekTone® apartment entrance systems.

- Easy installation
- Low-voltage operation
- Multiple applications
- Precision engineering

## SPECIFICATIONS

|                     |   |                |
|---------------------|---|----------------|
| Dimensions:         | Height:   | 5" (127 mm)    |
|                     | Width:  | 2.375" (60 mm) |
|                     | Depth:  | 2.25" (57 mm)  |
| Construction:       | Quality electronic components mounted on a PC board encased in a rugged extruded aluminum housing |                |
| Connections:        | Screw terminals   |                |
| Mounting:           | Surface   |                |
| Output voltage:     | 24 VDC  |                |
| Output current:     | 1 amp   |                |
| Power Requirements: | 16 VAC, 30 VA   |                |

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The power supply shall be TekTone® PK601A, or approved equal, and shall provide 24 VDC power to auxiliary signaling devices used in specified TekTone® emergency call systems.

The PK601A shall also be suitable for use as a DC silent door opener adapter in specified TekTone® apartment entrance systems.

The PK601A circuitry shall be housed in a rugged extruded aluminum case. Screw terminals shall be provided for installation wiring.

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# SS102A and SS106 Transformers PO001 Electric Door Opener Specification Sheet

IL127  
Section A  
Rev. 13 - 08/2011

## 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



SS102A



SS106

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

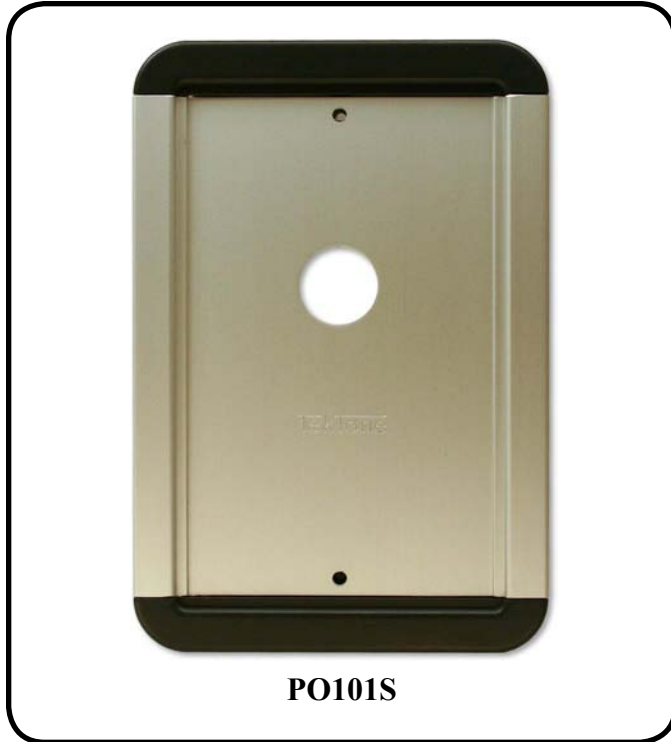
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3

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



# PO101S Postal Door Release Specification Sheet

IL593  
Section A  
Rev. 6 - 08/2010



**PO101S**

### ARCHITECTS' AND ENGINEERS' SPECIFICATION

Postal door release shall be TekTone® PO101S or approved equal. Postal door release panel shall be surface mountable and include a gasket to provide resistance to weather exposure. The postal door release shall be constructed of a rugged extruded aluminum panel with necessary mounting hardware and a microswitch to allow for the installation of a postal lock. Endcaps for the panel shall be molded of durable, flame retardant ABS plastic.

The microswitch shall have wire leads to provide for easy connection.

### FEATURES

The PO101S Postal Door Release provides for postal lock installation and microswitch control of door release devices. It is constructed of a rugged aluminum panel with durable, flame retardant ABS plastic endcaps. The extrusion design provides sufficient depth to make the panel surface mountable with no additional housing required. A gasket is also attached to the rear surface to increase the station's resistance to weather exposure.

### SPECIFICATIONS

|               |  |       |          |
|---------------|--|-------|----------|
| Dimensions:   | Height:  | 7.25" | (184 mm) |
|               | Width:   | 4.9"  | (125 mm) |
|               | Depth:   | 1.5"  | (38 mm)  |
| Construction: | Rugged extruded aluminum panel with durable, flame retardant ABS plastic endcaps |       |          |
| Finish:       | Brushed aluminum   |       |          |

### REQUIRED COMPONENTS

|            |                               |
|------------|-------------------------------|
| Tek-ENTRY® | Apartment Entry System        |
| -or-       | Vandal-Resistant Entry System |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)  
Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)





# Housings Reference Chart

IL312  
Rev. 18 - 03/2012

**NOTES:**

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

| Model #            | IH101<br>backbox<br>(flush)           | IH102<br>ring<br>(flush) | IH400A<br>housing<br>(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<br>SM201K/P | use standard 1-gang<br>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"      |

| Flush Mount 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.<br>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"  |

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)  
 Phone: (828) 524-9967 • Fax: (828) 524-9968 • Sales: Choose option 2 • Tech Support: Choose option 3  
 TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)