TekTone®

COMMUNICATIONS FOR TODAY ... AND TOMORROW.

CM800 Emergency Call System

Submittal Package
as of 6/1/23

Features

- Modular design
- Protected markings
- Multiple use
- Up to 4 digits per lamp
- Vertical or horizontal mounting

Description

The CM800-series Annunciators are modular panels, permitting use in systems requiring from 16 to 344 annunciator lamps. The CM800 is suitable for use in emergency call, security alarm, services monitoring, and similar applications where visual and audible annunciation is required. (If audible indication is not needed, specify when ordering.) Identification markings are easily applied by dry transfer letter method or label maker.

CM800/20 Annunciator
with AM800/36 Add-on Panel and OF202 Frame

Specifications

Power Required: 16 to 24 VAC or VDC
Connections: Screw terminals
Housings: Flush mounting, OH200
Lamps available only in multiples of four.

Required Components

CM800-series Speaker Panel
AM800-series Add-On Panel
PK2019A Power & Control Unit
SS106 Transformer

Housing and Frame Chart for CM800

Number of Lamps	Flush	Width Cut-Out	Frame	Width Overall
4 - 20	OH201	4-1/2"	OF201	6-1/4"
24 - 56	OH202	8-1/2"	OF202	10-1/4"
60 - 92	OH203	12-1/2"	OF203	14-1/4"
96 - 128	OH204	16-1/2"	OF204	18-1/4"

OH200 Series wall cut-out .... height: 16-1/4"..............depth:3-7/8"

OF200 Series overall   .... height: 17-3/4"...............depth:2-1/2"

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

- For use in general alarm applications
- Low power drain and shockproof construction

Description

The BE007 DC Corridor Bell is for use in general alarm applications and is UL® Listed.

The corridor bell produces a long, continuous ringing sound and features low power drain and shockproof construction. The corridor bell is supplied complete with plate and is ideally suited for general alarm applications of medium ambient level.

BE007 DC Corridor Bell

Specifications

Bell Size:	6"
Diameter:	6"
Depth:	2.875"
Amps:	0.062
VA:	1.5
dB at 10':	92

Listings

UL® 464 Listed

Required Components

CM800 Emergency Call System
SF117-series or SF118-series Emergency Call Stations
PK601A DC Power Supply
SS106 Transformer

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

- Automatic Tone Off reset
- Reliable and rugged design

Description

The IR019B Remote Tone Speaker provides remote tone annunciation when connected directly to a PK2019A Power and Control Unit, and in parallel with a TekTone® CM800-series or DS100-series Annunciator Panel.

The tone speaker features a momentary contact Tone Off button for tone silencing. Depressing the Tone Off button silences the tone at all IR019B locations. The Tone Off light remains illuminated while tone-silencing is enabled. When the emergency initiating device has been reset, the Tone Off will automatically reset.

IR019B Remote Tone Speaker

Specifications

Dimensions:	4.5"H × 4.5"W (115 mm × 115 mm)
Finish:	Satin brushed stainless steel
Controls:	Individual replaceable push button with self-wiping contacts
Indicators:	28 volt red light
Speaker/Mic:	45-ohms, 2.5"
Connections:	Pigtails
Housing:	Standard dual-gang electrical box

Required Components

CM800 Emergency Call System
or
DS100 Door Sentry & Emergency Alarm System

PK2019A Power and Control Unit
SS106 Transformer

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

TekTone®

COMMUNICATIONS FOR TODAY ... AND TOMORROW.

CM800 Emergency Call System • Rev. 15 - 4/2022

Features

- Excellent visibility
- Audible call indication
- Easy bulb replacement
- Durable construction

Description

The LI118B and LI123B Corridor Lights provide both visual and audible indication of any type of call. Models may be used with an emergency call system or in any application where this type of call indication is needed.

The standard mounting plate accommodates both models and features an easily removable white translucent cover for bulb replacement.

LI118B, LI123B Corridor Lights

Specifications

Dimensions:	5"H × 6.75"W × 4.5"D (127 mm × 171 mm × 117 mm)
Bulb:	Type 1829, 28V, min. BAY
AC Buzzer:	Type 123A-G5, 24 VAC, 160 mA
DC Buzzer:	Type 118-G1, 24 VDC, 40 mA
Power:	LI118B: 24 VDC, 80 mA LI123B: 24 VAC, 200 mA
Finish:	Translucent white plastic cover mounted on a flame retardant (UL 94V-0) plastic panel
Mounting:	Fits standard dual-gang box and ring. Minimum depth of box must be no less than 1.75"

Required Components

CM800 Emergency Call System

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Tek-CARE Nurse Call and CM800 Emergency Call Systems • Rev. 22 - 4/2022

Features

- Snap-in lens
- Easy bulb replacement
- Flame retardant HIPS 30 plastic panel
- Excellent visibility

Description

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.

Listings

UL® 1069 Listed; UL® File Number E71599.

Specifications

Dimensions:	4.56"H × 4.56"W × 3.3"D (115 mm × 115 mm × 84 mm)
Bulbs:	#1829 28V 70 mA
Power:	LI381: 24 VDC or VAC, 51 mA LI382: 24 VDC or VAC, 102 mA
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

LI381 Corridor Light & LI382 Corridor Zone Light

Required Components

Tek-CARE® NC110, NC150, NC200 or NC300II/III Nurse Call System

Tek-CARE®500 Wireless Emergency Call System with NC50xES-series remote receiver

CM800 Emergency Call System

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

- Long lasting LEDs
- No bulb replacement needed
- Plug-in connector supplied
- Flame retardant plastic panel

Description

The LI382LED Corridor Zone Light provides visual indication of calls when used with a nurse call system, emergency call system, or similar application.

The LI382LED Corridor Zone Light indicates an emergency call by the rapid flashing of the two red LED bulbs associated with the zone or area from which an emergency call has been placed. Normal calls are indicated by a steady illumination of the two white LEDs. If an emergency and normal call are placed in the same zone at the same time, the red LEDs connected to the emergency station will flash rapidly, while the white LEDs associated with the normal call will maintain a steady illumination.

The standard mounting plate features both single- and dual-gang mounting options.

Required Components

Tek-CARE® NC110, NC150, NC200
or
Tek-CARE300II/III Nurse Call System

Tek-CARE®500 Wireless Nurse Call System with NC50xES-series remote receiver
CM800 Emergency Call System with CM800-series speaker panel

Listings

UL® 1069 Listed; UL® File Number E71599.
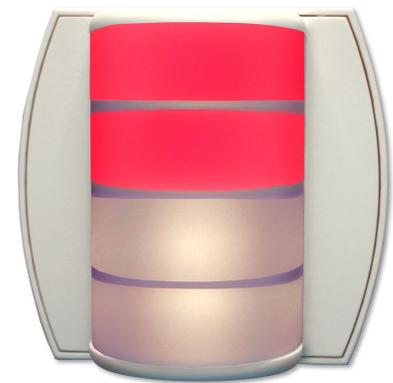
LI382LED Corridor Zone Light

Specifications

Dimensions:	4.8"H × 5.0"W × 2.75"D (122 mm × 127 mm × 70 mm)
LEDs:	2V 20 mA per LED
Power:	24 VDC
Finish:	Base is flame-retardant (UL® 94HB) plastic. Lens is flame retardant translucent polycarbonate plastic
Housing:	Fits standard single- or dual-gang box with single- or dual-gang ring

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

- Single-gang mounting
- 2 or 4 pole switches
- Flame retardant (UL 94V-0) plastic panel
- Highly visible emergency labeling
- May use with central annunciator, or for local alarm functions

Description

The SF117-series Emergency Call Switch is available in two models and features a rugged, long-life, positive-acting switch mounted on a durable flame retardant (UL® 94V-0) plastic panel. Signaling an emergency requires just a short pull in any direction on the 6′ long nylon cord. The signal cannot be canceled except at the point of origin. The SF117/2C provides two circuits to operate a separate visual and audible signal. The SF117/4C provides two additional circuits that may be used to operate additional signaling devices as needed.

Specifications

Dimensions:	4.5"H × 2.75"W × 1.5"D (114 mm × 70 mm × 38 mm)
Panel:	Flame retardant (UL 94V-0) plastic
Switch:	SF117/2C: DPDT SF117/4C: 4PDT
Connections:	Wire leads
Mounting:	Standard single-gang electrical box
Legend:	Pad-printed **EMERGENCY**

SF117/2C, SF117/4C Emergency Call Switch

Required Components

Standalone:
SS106 Transformer
LI381 or LI123B Corridor Light

System:
CM800 Emergency Call System

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Tek-ENTRY Apartment Entry Systems • Rev. 12 - 4/2022

Features

- Call-placed indicator
- Call cancellation only at point of origin
- Flame retardant (UL® 94V-0) plastic faceplate
- Contacts to signal dome light, and buzzer or bell

Description

The SF118C Emergency Switch is available in two models. Both models feature a rugged, long-life, positive-acting switch mounted on a flame retardant (UL® 94V-0) plastic faceplate marked **EMERGENCY** that includes a red LED. Signaling an emergency requires just a short pull in any direction on the 6′ long nylon cord. The signal cannot be canceled except at the point of origin. The SF118/2C provides two contacts, one to signal a dome light and master station, and one to signal a buzzer or DC bell. The SF118/4C provides two additional contacts that may be used to operate additional signaling devices as needed.

SF118/2C, SF118/4C Emergency Call Station

Specifications

Dimensions:	4.5"H × 2.75"W × 1.5"D (114 mm × 70 mm × 38 mm)
Switch:	SF118/2C: PDT SF118/4C: PDT
Construction:	Switch and lamp are ,ounted to a flame retardant (UL® 94V-0) plastic faceplate
Call-Placed Light:	Red LED
Connections:	Wire leads
Mounting:	Standard single-gang electrical box

Required Components

CM800 Emergency Call System

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

- Simple, flexible operation and install
- Flame retardant (UL® 94V-0) plastic faceplate
- Sits standard single-gang electrical box
- Visual indication of activation

Description

The SF154B Emergency Call Switch features a push-button switch with DPDT (double-pole double-throw) contacts which are available via wire pigtail. The switch comes pre-wired with both normally open terminals available individually.

The switch has a mechanical eye arrangement inside, which provides for positive indication of activation without the need for external power. The switch features push-on pushoff operation. The SF154B is designed as a single-gang (UL® 94V-0) plastic panel that fits a standard single-gang electrical box.

Specifications

Dimensions:	4.5"H × 2.8"W × 1.5"D (114 mm × 72 mm × 39 mm)
Construction:	Flame retardant (UL® 94V-0) plastic faceplate
Housing:	Single-gang ring or box

SF154B Emergency Call Switch

Required Components

CM800 Emergency Call System
LI381 Corridor Light
SS106 Transformer

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

DS100 Door Monitoring and CM800 Emergency Alarm Systems • Rev. 17 - 4/2022

Features

- General purpose power and control unit
- Three levels of tone volume

Description

The TekTone® PK2019A Power and Control Unit is a general purpose power and control unit used with the CM800 Emergency Call System and the DS100 Door Sentry & Emergency Alarm System.

The PK2019A provides tone signal, tone silencing, tone silenced indication, auxiliary signal relay, and 24 VDC for accessory device operation. The PK2019A also provides three levels of tone volume control.

Specifications

Dimensions:	5.5"H × 3.12"W × 2"D (140 mm × 80 mm × 51 mm)
Power:	16 VAC 30 VA max
Output:	1 Amp. maximum
Tone Speaker:	45 ohms (up to 3 in parallel)
Tone Off Lamp:	0.04 Amp. (up to 3 in parallel)
Connections:	Plug-in
Construction:	Flame retardant (UL® 94V-0) plastic
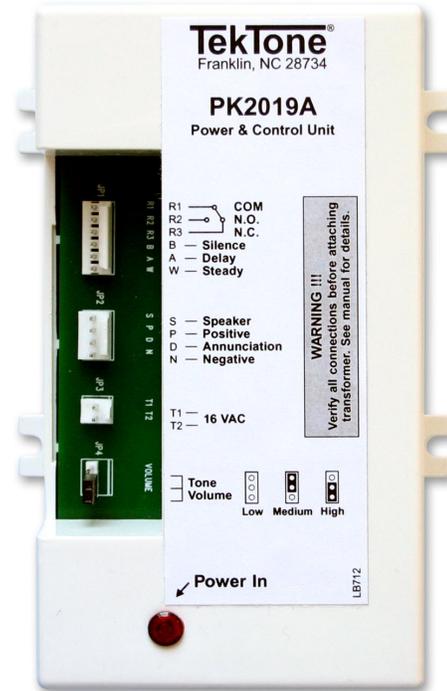
PK2019A Power and Control Unit

Required Components

CM800 Emergency Call System
or
DS100 Door Sentry & Emergency Alarm System

SS106 Transformer

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Features

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

Description

The PK124K Battery Backup Kit 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.)

The PK124K kit includes a transformer, a battery charger and two batteries—all preinstalled in a 19-gauge cold-rolled steel housing. Knockouts are included on all sides except the lid, to allow 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 enclosed single-gang electrical junction box is galvanized steel with a stainless steel cover plate.

TekTone systems supported by the PK124K include the DS100 Door Sentry & Emergency Alarm System, the CM800 Emergency Call System, Tek-ENTRY® Apartment Entry Systems, and the Tek-SAFE® Area of Rescue Assistance System.

Required Components

CM800 Emergency Call System
DS100 Door Sentry & Emergency Alarm System
Tek-ENTRY® Apartment Entry Systems
–or–
Tek-SAFE® Area of Rescue Assistance System

Optional Components

Mier BW3000 Offset Cam Lock, or equivalent
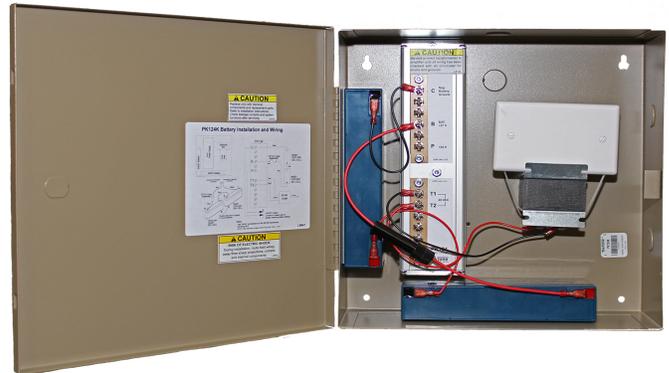
PK124K Battery Backup Kit

Specifications

Dimensions:	11.75"H × 11.75"W × 3.75"D (300 mm × 300 mm × 96 mm)
Connections:	Screw terminals (on PK124)
Construction:	19 gauge, cold-rolled steel
Transformer:	24 VAC, 30 VA (SS106)
Storage:	Two 12 VDC batteries (BA001)
Mounting:	Surface

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

SS106 Transformer
IL1133 Specification Sheet

Features

- Tappable at 8, 16, or 24 VAC
- UL® Listed Class 2 transformer
- Pre-stripped pigtails for primary connections
- Screw terminals for secondary connections
- Surface mounted or via a standard 1/2" knockout on an electrical box

Description

TekTone's SS106 Class 2 Transformer offers a compact, easy-to-install low voltage AC power source for use with various TekTone® Tek-CARE® systems. The SS106 Transformer is a UL® Listed Class 2 transformer and will safely take itself offline when overheated.

The transformer is constructed for easy surface installation or in a standard 1/2" knockout, 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.

Optional Components

Various Tek-CARE Systems, including:

CM800, DS100, NC110, NC150, and NC200 Nurse Call Systems

SS106 Transformer

Specifications

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

Dimensions

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

Note: The SS106 is found in the power and control assembly; IH151NK and the battery back-up assembly; PK124K.

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

TekTone®
COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Apartment Entry and Emergency Call Systems • Rev. 15 - 4/2022

Features

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

Description

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.

Specifications

Dimensions:	5"H × 2.37"W × 2.25"D (127 mm × 60 mm × 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:	16 VAC, 30 VA
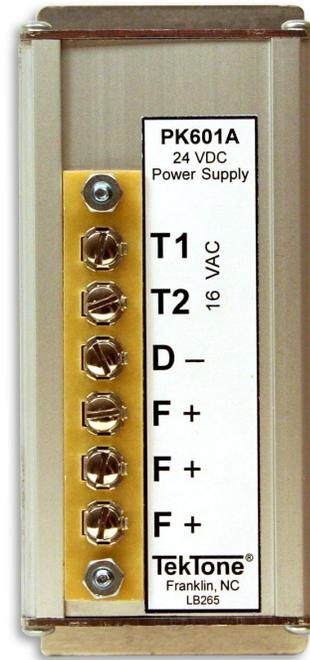
PK601A 24 VDC Power Supply

Suggested Uses

Tek-CARE®500 Wireless Nurse Call System
NC50xES-series Remote Receiver
LI381, LI382 or LI382LED Dome Lights

CM800 Emergency Call System
BE007 DC Corridor Bell
PK612A Lamp Flasher

Tek-ENTRY Apartment Entry System
LI404B Strobe
PK205 Intercom Amplifier

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

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

Features

- DC operation
- Easy installation
- Low power requirement

Description

The PK612A Lamp Flasher is a light-duty lamp flasher for DC use. It is designed for emergency call annunciators or similar use where continuous operation is not necessary.

Specifications

|	
Dimensions:	5"H × 2.37"W × 2.25"D (127 mm × 60 mm × 57 mm)
Construction:	Rugged extrided aluminum case housing quality electronic components on a printed circuit board
Connections:	Screw terminals
Mounting:	Surface
Power:	24 VDC
Duty:	Light
Load Current:	1 Amp

PK612A Lamp Flasher

Required Components

CM800-series Annunciator
PK601A 24 VDC Power Supply
PK2019A Power & Control Unit
SF117/2C or SF117/4C Emergency Call Switch
SS106 Transformer

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

NOTES:

1. For SF-series emergency switches, use single-gang ring, or single-gang ring and dual-gang box.
2. For LI-series dome lights, use dual-gang ring (or dual-gang ring and box).
3. For AM- and CM-series apartment panels, see specification sheets.
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, IH103, OH600, OH601.
8. Attach the IH103 mounting plate to a finished wall, single-gang box, dual-gang box or square masonry box.

Model #	IH101 back box (flush)	IH103 plate (flush)
IR103E	×	×
IR104E	×	×
IR105E	×	×
IR203E		×
IR204E		×
IR205E		×
IR207B	use standard dual-gang electrical box	

Dimension and Finish Chart—Housings and Frames

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"
IH103	4-9/16"	n/a	5-7/8"	n/a	1/16"
OH150	5-1/4"	4-1/2"	12-5/8"	11-5/8"	3-3/4"
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"
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"
OH204	17-3/8"	16-1/2"	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"	-
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"
OF204	18-1/4"	16-1/2"
Height:	17-3/4" (overall)	
Cutout:	15-7/8"	
Depth:	2-1/2"	

Surface Mount Frames

Model #	Width	Height	Depth
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"

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.