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TECHNICAL Practice

TELECOM SOLUTIONS FOR THE 21ST CENTURY

1600A Series

**ADA Compliant
Emergency Phone**

November 20, 2001

ADA* Compliant Emergency Phones with Built-In Digital Voice Announcer



The **1600A Series** ADA Compliant Emergency Phones are designed to provide quick and reliable handsfree communication over the public switched telephone network. All **1600A Series** phones meet ADA requirements for elevator/emergency telephones, and can be programmed from any Touch Tone phone. The phones can dial up to 5 programmable emergency numbers, as well as 2 central station numbers. In addition, the **E-1600-20A** features an "Info" button that will dial up to 3 non-emergency numbers.

The **1600A Series** phones can be programmed to automatically deliver a digital announcement to identify the location of the emergency call and then initiate the call connected LED light. Alternatively, a DTMF Touch Tone code may also be delivered. All programming parameters, including phone numbers and location numbers, are stored in non-volatile E² memory. All units are phone line powered, requiring no batteries or external power and are compatible with common Central Station Monitoring equipment.

For outdoor or harsh environments, select **1600A Series** phones are available with Enhanced Weather Protection (**EWP**). **EWP** products feature rubber gaskets and boots, hand soldered silicon sealed connections, gel filled tip and ring connectors, as well as urethane potted circuit boards with weather sealed, field-adjustable trim pots and DIP switches for easy on-site programming.

Features

- Meets ADA requirements for Emergency Phones:
 - Can automatically light the "Call Connected" LED for the hearing impaired
 - Transmits a unique location I.D. code
 - Grade 2 Braille label for the visually impaired
- **Non-volatile digital voice announcer with 10 seconds of voice memory**
- **Advanced call progress detection**
- Handsfree operation
- Phone line powered
- Non-volatile E² memory (no batteries required)
- Touch Tone or pulse dialing
- **Dials up to 5 emergency numbers**
- **E-1600-20A dials up to 3 non-emergency "Info" numbers**
- **Cycles through backup emergency and non-emergency numbers on busy or no-answer**
- **Optional Enhanced Weather Protection (EWP)** ? Need More Information on EWP? Call (715) 386-4345 and select 859.
- Hangs up on CPC, silence, busy signal, dial tone, time-out or Touch Tone command
- Programmable to auto-answer on incoming calls
- Remotely programmable
- Extended temperature range (-15°F to 130°F)
- 6 different chassis or board only available
- Central Station Monitoring capability (dials 2 central station numbers)
- **Separate central station voice speed dial number**
- **Optional PB-100 Polling System available**

Applications

- Elevators
- Parking ramps/lots
- ATM machines
- Area of refuge locations
- Lobbies
- Entryways
- Campus emergency stations
- Roadside emergency stations
- Stadiums
- Convention centers



Attention Panasonic DBS Users: The 576 DBS systems do not conform to analog telecom standards and are incompatible with the **1600A Series** Emergency Phones and **E-30** Handsfree Phones unless modified.

? **Need More Information on the 576 DBS?**
Call (715) 386-4345 and select 857.

** Americans with Disabilities Act of 1992 contains federal regulations regarding elevator telephones (Public Law 101-336).*

Specifications

Power: Telephone line powered, 24V DC talk battery with 20mA loop current minimum

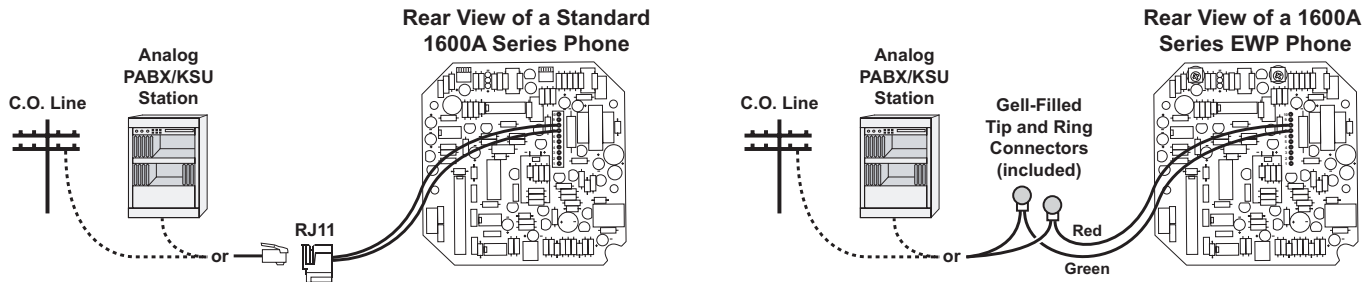
Dimensions: See Installation and Specifications

Operating Temperature: -26° C to 54° C (-15° F to 130° F)

Humidity - Standard Products: 5% to 95% non-condensing

Humidity - EWP Products: Up to 100%

Installation and Specifications



! IMPORTANT: Electronic devices are susceptible to lightning and power station electrical surges from both the AC outlet and the telephone line. It is recommended that a surge protector be installed to protect against such surges. Contact Panamax at (800) 472-5555 or Electronic Specialists Inc. at (800) 225-4876.

E-1600A and E-1600-45A (optional EWP available)

Dimensions: 133mm x 102mm x 51mm (5.25" x 4.0" x 2.0")

Shipping Weight: 1.13 kg (2.5 lbs.)

Material: .062" (16 gauge) steel, **E-1600A** - Red powder paint, **E-1600-45A** - High visibility yellow powder paint

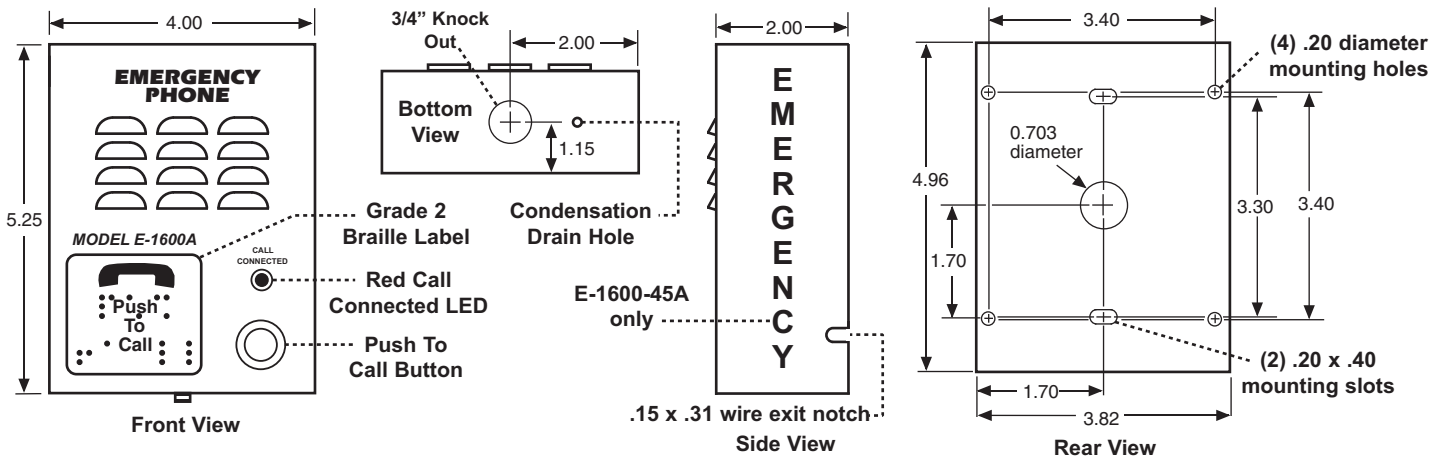
Connections: Standard **E-1600A/E-1600-45A** - RJ11, **E-1600A-EWP/E-1600-45A-EWP** - Gel-filled butt connectors

Mounting: Surface mount to walls, posts, single gang boxes or 4" x 4" electrical junction boxes or recess mount in elevator phone boxes.

Optional Enhanced Weather Protection (EWP): The optional **EWP** products feature sealed trim pots, sealed DIP switches, hand soldered and silicon sealed connections, rubber boots and gaskets, urethane potted circuit boards and gel filled tip and ring connectors.

Note: For greater weather resistance, apply a bead of clear silicon caulking around the top edge and sides of the chassis

? Need More Information on EWP?
Call (715) 386-4345 and select 859.



E-1600-02A

Dimensions: 330mm x 267mm x 51mm (13" x 10.5" x 2")

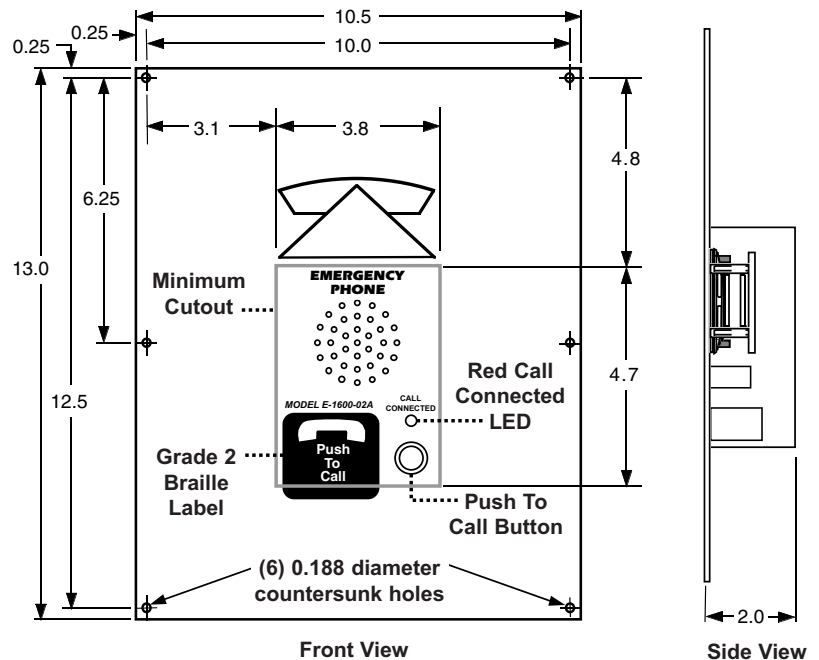
Shipping Weight: 3.18 kg (7 lbs.)

Connections: RJ11

Material: .125" (11 gauge) brushed stainless steel

Mounting: Flush mounted in elevator cabs, ATM machines, stairwells, hallways, etc.

Suggested Hardware: (6) #8 x 3/4 flat head phillips sheet metal type A screws (not included)



E-1600-03A (optional EWP available)



Dimensions: 183mm x 149mm x 39mm (7.22" x 5.86" x 1.55")

Material: .074" (14 gauge) Brushed stainless steel panel and extra heavy duty button with LED

Shipping Weight: 1.36 kg (3 lbs.)

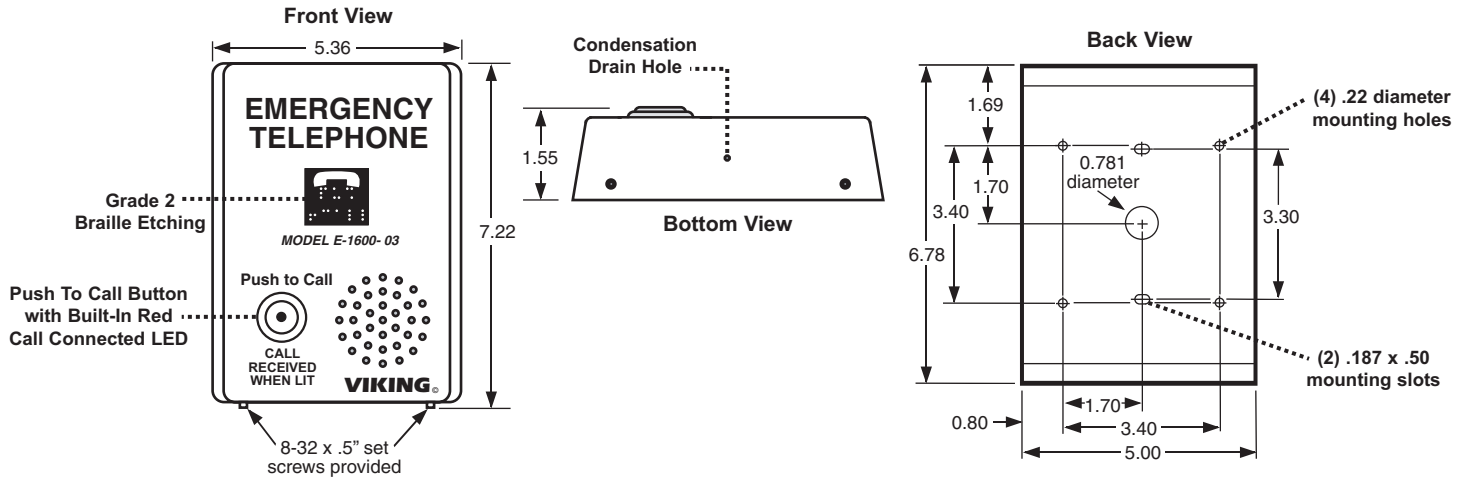
Connections: Standard E-1600-03A - RJ11, E-1600-03A-EWP - Gel-filled butt connectors

Mounting: Surface mount to walls, posts, single gang boxes or 4" x 4" electrical junction boxes or recess mount in elevator phone boxes.

Optional Enhanced Weather Protection (EWP): The optional EWP products feature sealed trim pots, sealed DIP switches, hand soldered and silicon sealed connections, rubber boots and gaskets, urethane potted circuit boards and gel filled tip and ring connectors.

? Need More Information on EWP?
Call (715) 386-4345 and select 859.

Note: For greater weather resistance, apply a bead of clear silicon caulking around the top edge and sides of the chassis



E-1600-20A (optional EWP available)

Dimensions: Overall - 127mm x 127 x 57mm (5.0" x 5.0" x 2.25"), Plastic Electrical Box - 102mm x 102mm x 54mm (4.0" x 4.0" x 2.12")

Shipping Weight: 1 kg (2.12 lbs.)

Front Panel Material: 14 gauge brushed stainless steel

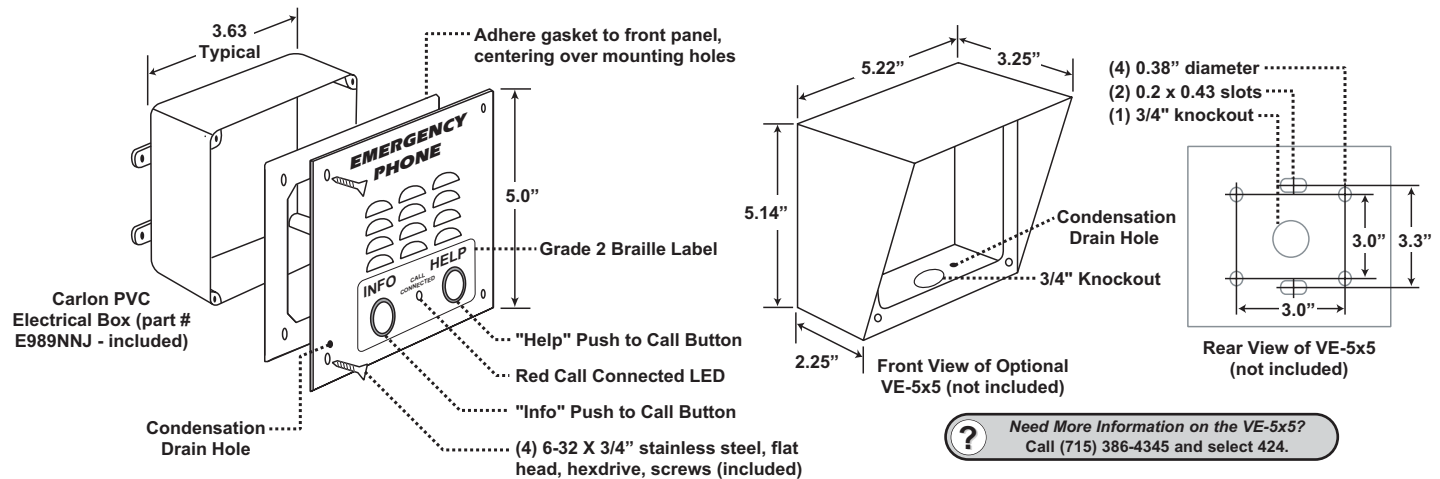
Connections: Standard E-1600-20A - RJ11, E-1600-20A-EWP - Gel-filled butt connectors

Optional Enhanced Weather Protection (EWP): The optional EWP products feature sealed trim pots, sealed DIP switches, hand soldered and silicon sealed connections, rubber boots and gaskets, urethane potted circuit boards and gel filled tip and ring connectors.

? Need More Information on EWP?
Call (715) 386-4345 and select 859.

With Carlon Box (included): Flush mount in walls; **Mounting With Optional VE-5x5:** Surface mount to walls, single gang boxes, posts, or to American Access Gooseneck pedestal (303) 799-9757 (see options below)

Caution: When warm air comes in contact with cold surfaces, such as outside walls and conduits, it causes condensation. To prevent condensation from accumulating inside the E-1600-20A always bring conduit into the bottom of the unit. If this is not possible, drill a 1/4" diameter hole in the bottom of the gray plastic box.



? Need More Information on the VE-5x5?
Call (715) 386-4345 and select 424.

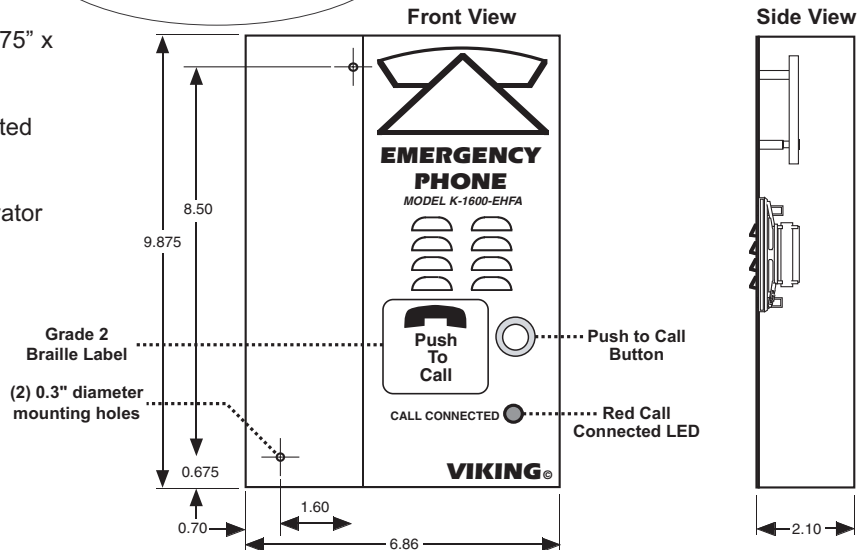
Note: When using the large foam gasket (flush mounting), peel off paper liner and adhere gasket to the back of the faceplate, centering it over the four corner mounting holes. The thinner rubber gasket should be used when surface mounting the unit with the gray Carlon electrical box.

Important: Be careful to position the modular jack inside the chassis as not to damage the components on the circuit board. The E-1600-20A will NOT mount to a standard double gang box.

K-1600-EHFA



Dimensions: 251mm x 174mm x 53mm (9.875" x 6.86" x 2.10")
Shipping Weight: .91 kg (2 lbs.)
Material: .062" (16 Gauge) Red powder painted aluminum
Connections: RJ11
Mounting: Recess mounted in standard elevator phone box (10.0" x 7.0" x 3.0")

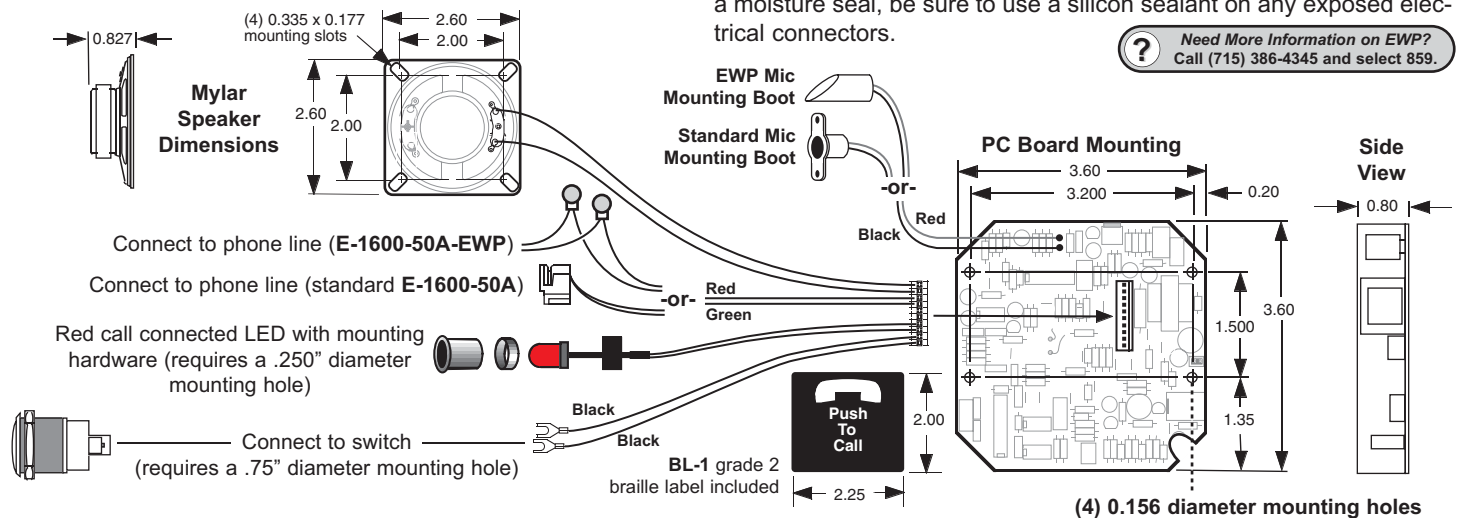


E-1600-50A (optional EWP available)

Note: This is a 1600A parts kit without chassis.
Shipping Weight: .45 kg (1 lb)
Connections: Standard E-1600-50A - RJ11, E-1600-50A-EWP - Gel-filled butt connectors

Optional Enhanced Weather Protection (EWP): The optional EWP products feature sealed trim pots, sealed DIP switches, hand soldered and silicon sealed connections, rubber boots and gaskets, urethane potted circuit boards and gel filled tip and ring connectors. To maintain a moisture seal, be sure to use a silicon sealant on any exposed electrical connectors.

Need More Information on EWP?
 Call (715) 386-4345 and select 859.



Programming

A. Accessing the Programming Mode

The 1600A Series emergency phones can be programmed from a Touch Tone phone using a C.O. line or analog PABX/KSU station. **Note:** A double beep indicates a valid memory position, four beeps indicate an error.

1. Using the Security Code

Step 1.	Move DIP switch 2 to the ON position (sets unit to answer incoming calls, see section J).
Step 2.	From a Touch Tone phone call the line attached to the 1600A Series phone.
Step 3.	When the 1600A Series phone answers, enter the 6-digit security code (factory set to 845464 , see section C). A double beep should then be heard indicating you have entered the programming mode.

2. Without the Security Code

Step 1.	Move DIP switch 2 to the ON position (sets unit to answer incoming calls, see section J).
Step 2.	Move DIP switch 3 to the OFF position (incoming calls enter Programming without security code, see section J).
Step 3.	From a Touch Tone phone call the line attached to the 1600A Series phone.
Step 4.	When the 1600A Series answers, a double beep will be heard and you will automatically enter the programming mode.
Step 5.	When finished programming, move DIP switch 3 back to the ON position (see section J).



B. Quick Programming Features

	Enter Digits	- then -	Enter Memory Location
First emergency speed dial number	0-20 digits	then	#00
Second emergency speed dial number	0-20 digits	then	#01
Third emergency speed dial number	0-20 digits	then	#02
Fourth emergency speed dial number	0-20 digits	then	#03
Fifth emergency speed dial number	0-20 digits	then	#04
Central station receiver number	0-20 digits	then	#05
Central station voice number	0-20 digits	then	#06
First "Info" speed dial number (E-1600-20A only)	0-20 digits	then	#07
Second "Info" speed dial number (E-1600-20A only)	0-20 digits	then	#08
Third "Info" speed dial number (E-1600-20A only)	0-20 digits	then	#09
Voice announcer options (factory set to 000000)	6 digits	then	#17
Timing/Dialing options (factory set to 234111)	6 digits	then	#18
Security code (factory set to 845464)	6 digits	then	#19
Identification number (factory cleared)	0-20 digits	then	#20

C. Security Code (memory location #19)

The security code allows the user/installer to program the **1600A** series phone while DIP switch **3** is in the **ON** (normal) position. The factory set security code is 845464 (V-I-K-I-N-G). It is recommended that the factory set security code be changed. **Example:** To store 123456 as the security code:

Step 1.	Access programming as shown in Programming section A.
Step 2.	Enter 123456 #19..
Step 3.	Hang-up.

Enter Your Security Code Here:

						#19
--	--	--	--	--	--	------------

Note: The security code must be 6 digits and cannot include a * or a #.

D. Speed Dial Numbers

Note: Up to 20 digits can be stored in each dial position. Special features such as pause, mode change, Touch Tone * and # count as single digits.

1. Emergency Speed Dial Numbers (memory locations #00 - #04)

The emergency speed dial number programmed in location **#00** is the telephone or extension number that is dialed when the **"Push To Call"** button is first pressed. Additional speed dial numbers will be dialed when there is no answer or a busy signal is detected and the next number redial features are activated. The **1600A** series phone will cycle through the programmed speed dial numbers until answered. To program, enter the desired speed dial number followed by the location number (**#00 - #04**).

To clear a speed dial location, simply enter the memory location (**#00 - #04**) alone. The **1600A** series phone is factory set with no speed dial number programmed.

To Program:	Enter:
*	**
#	*#
4 second pause	*7
switch to pulse mode	*6
0, 1, 2...9	0, 1, 2...9

2. "Info" Speed Dial Numbers (E-1600-20A Only) (memory locations #07 - #09)

The information speed dial number programmed in location **#07** is the telephone or extension number that is dialed when the **"INFO"** button is first pressed. Additional information speed dial numbers will be dialed when there is no answer or a busy signal is detected and the next number redial features are activated. The **E-1600-20A** phone will cycle through the programmed speed dial numbers until answered. To program, enter the desired speed dial number followed by the location number (**#07 - #09**). To clear a speed dial location, simply enter the location (**#07 - #09**) alone.

To Program the 1600A Series Phone...	Step 1 - See Section A	Step 2 - Enter Digits:
...to store 555-1234 as the first emergency speed dial number	Enter Programming	5 5 5 1 2 3 4 # 0 0
...to store a Touch Tone 9, a four second pause and then a pulse dialed 333-4444 into the second "Info" speed dial memory position	Enter Programming	9 *7 *6 3 3 3 4 4 4 4 # 0 8
...to clear the first emergency speed dial number	Enter Programming	# 0 0

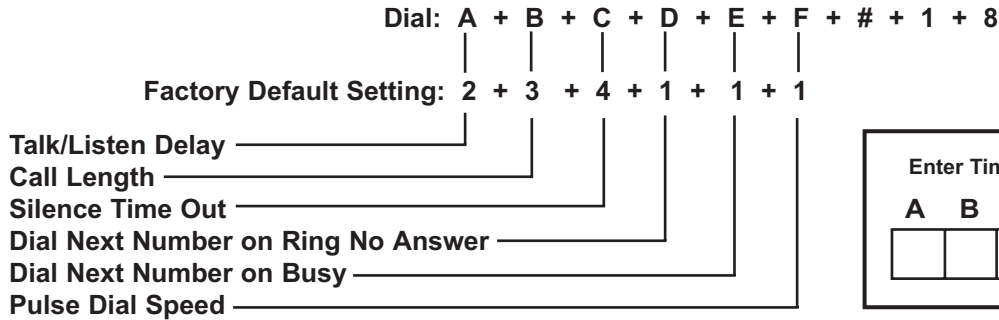
E. Identification Number (memory location #20)

The Touch Tone I.D. number (up to 20 digits) is used by emergency personnel to identify the location of the caller and is given out when the receiving party presses a Touch Tone *. The security office can display the number using a Touch Tone decoder. To program the I.D. number, enter the desired number followed by **#20**.

Example: To store 333 as the I.D. number, enter: **3 3 3 # 2 0**

F. Timing/Dialing Options (memory location #18)

There are six positions in the timing/dialing options. To program these options, enter the six desired timing/dialing numbers followed by **#18**. The six available timing/dialing options are defined as follows:



Enter Timing/Dialing Settings Here:

A	B	C	D	E	F	
						#18

Setting A - Talk/Listen Delay

This feature selects switching time between talk and listen modes (VOX switching time). Use chart at the far right.

* **Note:** The factory default is .2 seconds.

Touch Tone	Talk/Listen Delay
1	.1 sec
2	.2 sec *
3	.3 sec
4	.4 sec
5	.5 sec
6	.6 sec
7	.7 sec
8	.8 sec
9	.9 sec

Setting B - Call Length Time Out

This feature selects the maximum length of time that calls can be connected. Programmable in increments of 1 minute up to a maximum of 9 minutes (Touch Tones 1 - 9). Program 0 in this location to disable the call length time out. With the call length disabled, the **1600A** series phone must rely on a CPC signal, busy signal, silence or return to dial tone to hang-up. Use chart at the right.

* **Note:** The factory default is 3 minutes.

Touch Tone	Call Length Time Out
0	Disabled
1	1 min
2	2 min
3	3 min*
4	4 min
5	5 min
6	6 min
7	7 min
8	8 min
9	9 min

Setting C - Silence Time Out

This feature selects the length of time that calls will remain connected without voice activity. Programmable in increments of 10 seconds up to a maximum of 90 seconds (Touch Tones 1 - 9). To disable the silence time out, program 0 in this location. Use chart at the far right.

* **Note:** The factory default is 40 seconds.

Touch Tone	Silence Time Out
0	Disabled
1	10 sec
2	20 sec
3	30 sec
4	40 sec*
5	50 sec
6	60 sec
7	70 sec
8	80 sec
9	90 sec

Setting D - Dial Next Number on Ring No Answer

If enabled and a ring-no-answer is detected, the **1600A** series phone will dial the next programmed speed dial number, and continue to cycle through the emergency numbers until a call is completed.

* **Note:** This feature is disabled in the factory default setting.

Touch Tone	Setting D
1 or 0	Disabled*
2, 3, 4...9	Dials second number after 2, 3, 4...9 rings respectively

Setting E - Dial Next Number on Busy

If enabled and a busy is detected, the **1600A** series phone will dial the next programmed speed dial number, and continue to cycle through the emergency numbers until a call is completed.

* **Notes:** This feature is disabled in the factory default setting. If the busy signal is interrupted with a promotional message, contact your central office to have it removed.

Touch Tone	Setting E
1	Disabled*
2	Enabled

Setting F - Pulse Dialing Rate (Pulses per second)

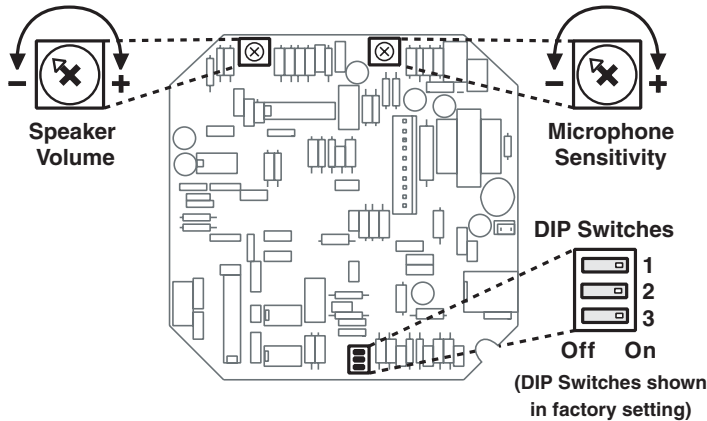
The **1600A** series phone is capable of different pulse dialing speeds.

* **Note:** The factory default setting is 10pps.

Touch Tone	Setting F
1	10 pps*
2	20 pps

J. DIP Switch Programming/Speaker and Microphone Adjustments

Two POTs are provided to increase or decrease speaker volume and microphone sensitivity. In certain noisy locations the microphone sensitivity may need to be decreased as shown below. **Caution:** Setting the microphone gain too high may cause distorted audio, prevent the distant party from breaking over and inhibit second number redialing.



DIP Switch	Position	Description
1	ON	"Push to Call" button alternately connects and disconnects calls (factory default)
1	OFF	"Push to Call" button connects calls only
2	ON	Incoming calls answered (factory setting)
2	OFF	Incoming calls are not answered
3	ON	Normal operation mode (factory setting)
3	OFF	Learn mode - Any incoming calls are automatically entered into the programming mode (no security code required). Use this option if you have forgotten your security code.

K. Central Station Programming

The standard **1600A** emergency phone is capable of communicating using the "Ademco Contact I.D.", "Ademco High Speed", "DTMF 4+1 Express", or the "DTMF 4+2 Express" formats. All formats use the programming memory location **#20** to store the account code and alarm details.



1. Central Station Programming Features

a. Accessing the Programming Mode

Before programming, you must access the programming mode (see **Programming section A**).

b. Enabling/Disabling Central Station Mode

The **1600A** Series emergency phone can be placed in the "Central Station Mode" by entering a central station phone number in position **#05** while programming. To cancel the "Central Station Mode," clear position **#05** by entering **#05** only (see **Programming section D**).

c. Ring Delay

When the **1600A** Series emergency phone is in the "Central Station Mode", it is best to have the ring delay set to a minimum of three, because some receivers send a long tone after answering the line that sounds like a ring back. If the **1600A** is set to a ring delay of two, the phone will disconnect (see **Programming section F**).

To Program the 1600A Series Phone...	Step 1:	Step 2 - Enter Digits:
...to enable central station programming and dial 952-2567	Enter Programming	9 5 2 2 5 6 7 # 0 5
...to disable central station programming	Enter Programming	# 0 5

d. Speed Dial Numbers

The **1600A** Series phone can be programmed to dial a central station receiver only, or dial up to 5 voice numbers first, and if no answer, then dial the central station receiver. When calling the first numbers (memory positions **#00-#04** (see **Programming section D**), the phone stays in "two-way talk mode" allowing two-way conversation. When calling the Central Station number (memory position **#05**), the phone is in a "listen only mode" in order to interpret the hand shake signals of the receiver.

A second central station number position has been provided in location **#06** that is used when the central station receiver does not have a talk over mode. If a number is placed in position **#05** and position **#06** is cleared, the **E-1600A** will call the central station monitor receiver. After the receiver sends a kiss-off, the **E-1600A** lights the "Call Connected" LED and goes into two-way talk mode. If numbers are in both positions **#05** and **#06**, the **E-1600A** will call the receiver first, and after the kiss-off, will hang-up and redial the number in position **#06** for two-way voice communication.

Notes: If only a central station is to be dialed, the central station phone number must be preprogrammed in memory location **#05** and memory locations **#00-#04** must be cleared. The "Call Connected" LED will light automatically if there is a voice recording programmed.

Location	Call Type
#00	Voice - Emergency
#01	Voice - Emergency
#02	Voice - Emergency
#03	Voice - Emergency
#04	Voice - Emergency
#05	Central Station Receiver
#06	Central Station Voice Line
#07	Voice - "Info" (E-1600-20A only)
#08	Voice - "Info" (E-1600-20A only)
#09	Voice - "Info" (E-1600-20A only)

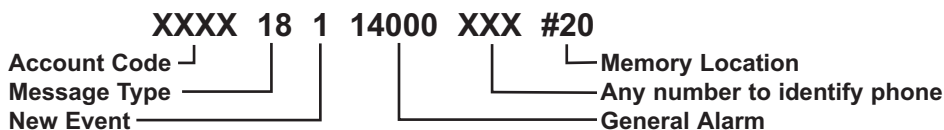
2. Central Station Formats

The following examples explain the receiver formats and how to properly program memory location #20. Each format starts with a four digit account code. This is the code that is assigned by your central station for billing purposes. You must access the programming mode before programming these features (see **Programming** section A).

Important: If a number is shown, you must use that number. If an "X" is shown, use any appropriate number.

a. Ademco Contact ID Format

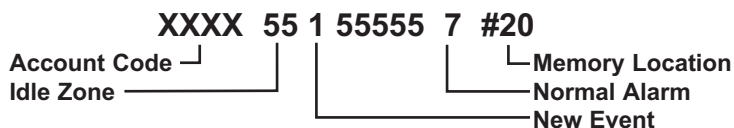
This DTMF format consists of a four digit account code, two digit message type, and a nine digit data field.



Enter Contact ID Settings Here: 18 1 14000 #20

b. Ademco High Speed Format

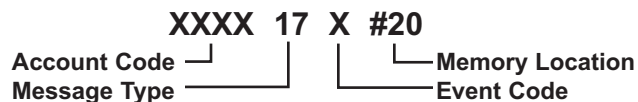
This DTMF format consists of a four digit account code, eight zone codes and one alarm type digit. With this format you can identify up to eight different phones by using a zone per phone. A "5" in a zone position means no alarm. The following example shows an alarm from the third phone.



Enter Ademco High Speed ID Settings Here: 55 1 55555 7 #20

c. 4+1 Express Format

This DTMF format consists of a four digit account code, two digit message type, and a single digit event code.



Enter 4+1 Express ID Settings Here: 17 #20

d. 4+2 Express Format

This DTMF format consists of a four digit account code, two digit message type, and a two digit event code.



Enter 4+2 Express ID Settings Here: 27 #20

Operation

A. Standard Operation



1. "Push to Call" Button or "Help" Button (E-1600-20A)

When the "Push to Call" button is pressed, the **1600A** series phone goes off-hook and dials a pre-programmed telephone number. The Call Connected LED momentarily flashes during tone or pulse dialing. In the event that the line is busy or there is a ring-no-answer, the unit can be programmed to call additional phone numbers. The phone then cycles through up to 5 pre-programmed emergency numbers until the call is answered. When the call is answered, handsfree communication to emergency personnel is established. The digital voice announcer will automatically play to identify the location of the emergency call. The * key will stop the announcement, send the I.D. number (if programmed) and light the "Call Connected" LED. Alternatively, the **1600A** series phone can be programmed to automatically light the "Call Connected" LED after the announcement has played a programmed number of times. The distant party will know the location of the emergency call by either the voice announcement or by decoding the Touch Tone I.D. number. Pressing the * key again will send the I.D. number and play the message again. Once the * key has been pressed, the # key can be used to force the **1600A** series phone to hang-up.

2. "Info" Button (E-1600-20A Only)

When the "Info" button is pressed (**E-1600-20A** only), the phone goes off-hook and dials the first "Info" phone number programmed. If a busy signal is detected or the call goes unanswered, the **E-1600-20A** will cycle through all three "Info" phone numbers until the call is answered. When answered, handsfree communication is established.

B. Central Station Operation

After the button on the **1600A** Series phone has been pressed the **1600A** Series phone will begin to dial. If a voice number is programmed in memory locations **#00-#04**, these numbers will be dialed first. Upon detecting a busy signal or after a preprogrammed ring delay the **1600A** Series phone will hang-up and dial the central station phone number stored in memory location **#05**. When the central station receiver answers, it will send a handshake tone to the **1600A** phone. Upon detecting the handshake tone, the **1600A** Series phone will begin uploading the information stored in memory location **#20**.

Once the **1600A** Series emergency phone has sent the information stored in memory location **#20**, it waits for a "kiss-off" tone from the central station. When the "kiss-off" tone is received, the emergency phone turns on the call connected LED and goes into the "two-way talk mode" or hangs up and dials position **#06** if programmed. **Note:** *The central station should have a "talk-over" feature that will allow a two way conversation at this time. If your receiver does not support a "talk-over". A voice phone number should be programmed into position #06.* If the central station answers the call and does not send a "kiss-off", the next number will be dialed (if programmed). In either single number or multi-number programming, the phone will keep dialing until a call is completed.

Options

PB-100 Polling and Diagnostics Kit

The **PB-100** system provides centralized polling and diagnostics of all **Viking 1600** and **1600A** series emergency phones through a standard Windows 9x/NT P.C. In addition, any device or human capable of returning DTMF Touch Tones can be automatically polled.

Up to 500 individual phones can be polled, at timed intervals, for the diagnosis of proper programming and operation. The included software provides storage of complete contact/location records associated with the phones ID.

Devices that are polled successfully are stored in a "success" log while devices that returned any kind of error are stored in a "failure" log.

? Need More Information on the PB-100?
Call (715) 386-4345 and select 860.



PB-100 System



BLK-1A and BLK-3 Strobe Kits

The **BLK-1A** and **BLK-3** can be used to add emergency notification to pre-installed emergency phones. The **BLK-3** will not flash on "Info" calls when used with the **E-1600-20A**.

Alternatively, the **BLK-1A** and **BLK-3** provide high visibility indication of analog line status through a high powered strobe light. The **BLK-1A** is an ideal solution for the hearing impaired and can be used equally well in loud warehouses or factories, where ringing phones can not be heard.

? Need More Information on the BLK-1A or BLK-3?
Call (715) 386-4345 and select 232.

BLK-1A or BLK-3

Special Housing

A variety of special housing is available for the **1600A** Series emergency phones. The **VE-5x5** surface mount backbox may be used with the **E-1600-20A-EWP** to be surface mounted or mounted to a gooseneck pedestal.

? Need More Information on the VE-5x5?
Call (715) 386-4345 and select 424.

The weatherproof **VE-9x12** may be used with the **E-1600A**, **E-1600-03A**, **E-1600-20A** and **E-1600-45A** for extreme weather and vandal protection.

? Need More Information on the VE-9x12?
Call (715) 386-4345 and select 413.

The **VE-9x12** is available in yellow or red.



VE-9x12

Blue Light ADA Tower Phone

Provide added safety for your patrons, employees, and students with the addition of high-visibility, ADA Compliant emergency communication. At the push of a button, the **E-1600-BLT** (shown right) will initiate a call to your emergency personnel and send a digital announcement to identify the location of the emergency call. In addition, the Tower Phone's bright (1million candle power) Strobe Light will instantly begin pulsating to deter further activity and make it fast and easy for Police or Security personnel to locate the site of the emergency.

The **E-1600-BLT** features an extremely vandal and weather resistant enclosure that can be easily surface mounted. Though the strobe requires external power to operate, rest assured that communication is ALWAYS possible, even during power failures!

? Need More Information on the E-1600-BLT?
Call (715) 386-4345 and select 217.



E-1600-BLT

Product Support Line...715.386.8666

Fax Back Line...715.386.4345

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