



# TECHNICAL Practice

**TELECOM SOLUTIONS FOR THE 21ST CENTURY**

**E-10, E-15,  
E-20A**

**Speaker Phones**

August 1, 2000

## Provide Convenient Handsfree Communication



**E-10/E-15**

The **E-10, E-15** and **E-20A** are line powered speaker phones designed to provide two-way handsfree communication.

The **E-10, E-15** and **E-20A** can be connected directly to a C.O. line or analog PABX/KSU station when used in conjunction with a Hot-Line Dialer or programmed ring down circuit. The **E-10, E-15** and **E-20A** can also be used

with Viking's **DLE-200B** ring down circuit.



**E-20A**

When the "Call" button is pressed, the **E-10/E-20A** will come off-hook and will remain off-hook until the pre-selected timeout has elapsed. During this time the user may converse handsfree. Alternatively, the **E-15** "Call" button must be pressed and held for the duration of the call.

## Features

- Telephone line powered
- Weather resistant
- Adjustable microphone and speaker volume

### E-10/E-20A Features

- Adjustable call time out, to limit prank calls and false alarms (approximately 30 sec - 6 min)
- Auto-answer feature allows remote monitoring (can be disabled)
- Two way handsfree communication

### E-15 Feature Push and hold to talk button

### E-10/E-15 Features

- Vandal resistant, black powder painted, aluminum face plate with mounting gaskets
- Flush mountable using included rough-in box
- Surface mountable using the **VE-5x5** surface mount box (**Fax Back Document 424**)

### E-20A Features

- Ash colored, impact resistant, U.V. stable, plastic chassis
- Surface mountable only

## Applications

- Commercial, industrial and residential door security
- Door or gate communication
- Truck stop/gas station fuel island communication
- Business delivery entrances
- Use in conjunction with a Viking Hot-Line Dialer on C.O. lines or analog PABX/KSU stations
- Use on any programmed ringdown circuit of an analog PABX/KSU station



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## Specifications

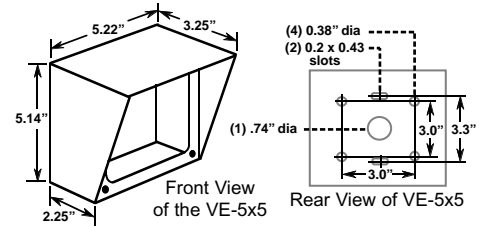
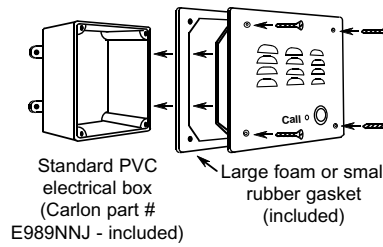
**Power:** Telephone line powered (18 VDC/20mA minimum)  
**Dimensions:** **E-10/E-15** - Overall - 127mm x 127mm x 57.2mm (5.0" x 5.0" x 2.25"), Plastic electrical box - 102mm x 102mm x 57mm (4" x 4" x 2.25"), **E-20A** - 140mm x 115mm x 38mm (5.5" x 4.5" x 1.5").  
**Shipping Weights:** **E-10/E-15** - 1.59 kg (3.5 lbs), **E-20A** - .75 kg (1.5 lbs)  
**Connections:** (1) RJ11 jack

# Installation

## A. Mounting the E-10 and E-15

The **E-10** and **E-15** are designed to be flush mounted to the included 4" x 4" x 2" deep plastic electrical box or surface mounted using optional Viking model **VE-5x5**.

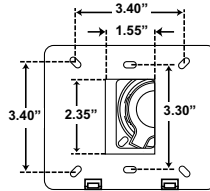
**Note:** The **E-10** and **E-15** will NOT mount to a standard double gang box.



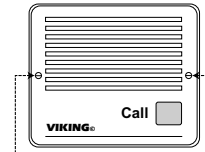
Optional Surface Mount Box (**VE-5x5**) is designed to be surface mounted to a single gang box, pedestal or directly to a wall. For more information, retrieve **Fax Back Document 424**.

## B. Mounting the E-20A

The **E-20A** is designed to be surface mounted to a single gang box (not included) or a 4" x 4" electrical junction box (not included).

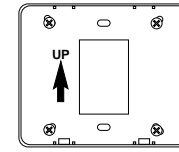


Front view of the E-20A



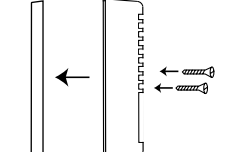
To open the speaker box, remove the two screws from the cover.

Back panel of the E-20A



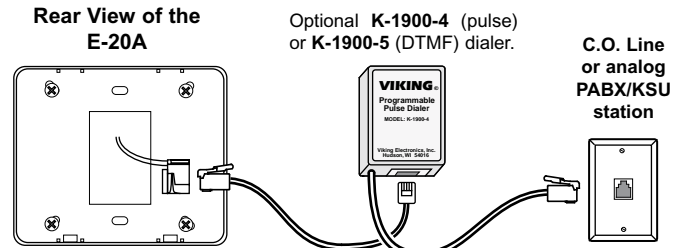
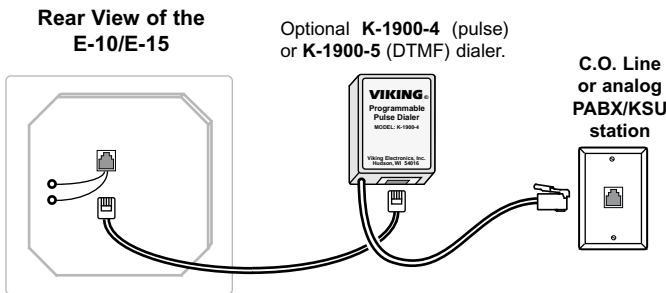
Mount back panel to a wall, a single gang box or a 4"x4" junction box with the arrow pointing up.

Side view of the E-20A



Attach the cover to the base with the two included screws as shown.

## C. Wiring



**Notes:** Talk battery must be a minimum of 28V DC when using an **E-10**, **E-15** or **E-20A** with a Hot-Line Dialer. For more information on Hot-Line Dialers, retrieve **Fax Back Documents 833**.

# Programming

## A. Changing the Call Time-Out

The **E-10** and **E-20A** are equipped with an adjustable call time-out feature which automatically hangs-up the **E-10** or **E-20A** after the pre-set time has elapsed. To change the time-out, adjust the call time as shown to the right. The time can be adjusted from approximately 30 seconds to 6 minutes (factory set to approximately 3 minutes).

## B. Adjusting Speaker Volume

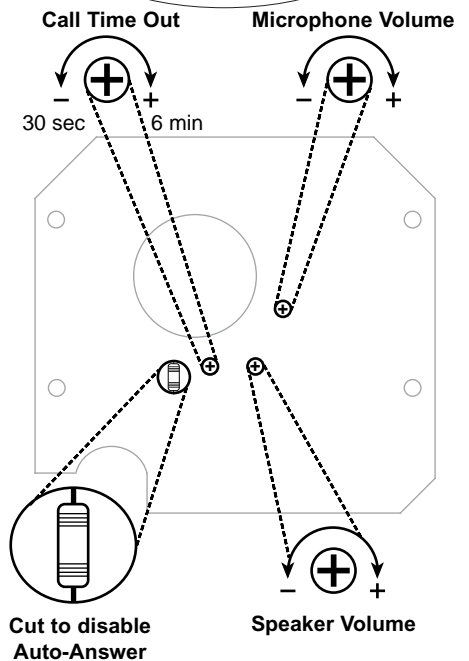
The **SPKR VOL** pot can be adjusted to increase or decrease the speaker volume to the level desired as shown to the right.

## C. Adjusting the Microphone Volume

In certain noisy locations (background traffic, machinery or wind), the microphone volume may need to be decreased. A symptom of this is one-way talk path, in which the distant party cannot be heard over the speaker. A **MIC ADJ** pot is provided on the **E-10**, **E-15** and **E-20A** for increasing or decreasing the microphone sensitivity. **Note:** If the microphone volume is set too high or too low, one-way talk path may occur.

## D. Disabling the Auto-Answer feature

The **E-10** and **E-20A** come factory set to auto answer when an inbound call is detected. To disable this feature, cut the resistor shown through the hole on the back of the circuit board as shown to the right. **Important:** Disconnect the telephone line before cutting the auto-answer resistor.



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