

# EntraGuard Bronze

The EntraGuard Bronze is a residential telephone keypad entry system which allows a homeowner to communicate directly with visitors and provide access by using any phone extension in the home. Because the EntraGuard Bronze uses existing telephone lines, there is no need for added charges which would be required by a dedicated phone line. The EntraGuard Bronze has the following features.

- password protected entry for up to 50 users – pre-programmed with 4 Entry Codes, see the EntraGuard Bronze Residence Guide (P/N 01911-003) for the codes
- an illuminated, waterproof keypad
- built-in microphone and speaker for hands-free communication
- Call Forwarding for instances when no one is home (forwarding to either another residential telephone or a cellular telephone)
- Call Waiting to notify a visitor if the phone line is being used
- battery-backed memory
- two gate relays with individually programmable activation times

## 1.0 Specifications

- Size – 9.00 inches Wide x 6.25 inches High x 3.50 inches Deep  
- 22.86 cm Wide x 15.9 cm High x 8.89 cm Deep
- Input Power – 24 VAC, .5amp, 20 VA plug-in transformer
- Relay Outputs (2) – SPDT, Contact Current: 1amp @ 24V
- Humidity – 0% to 95%
- FCC Registration – AL695Y-67614-07-E

## 2.0 Unit Installation

Before proceeding with the mounting and wiring of the EntraGuard Bronze system, verify your mounting plans will meet all applicable Local, State, and Federal ADA mounting height and accessibility building codes. Also verify you have a safe and secure path for routing all wiring.

### 2.1 Mounting Location

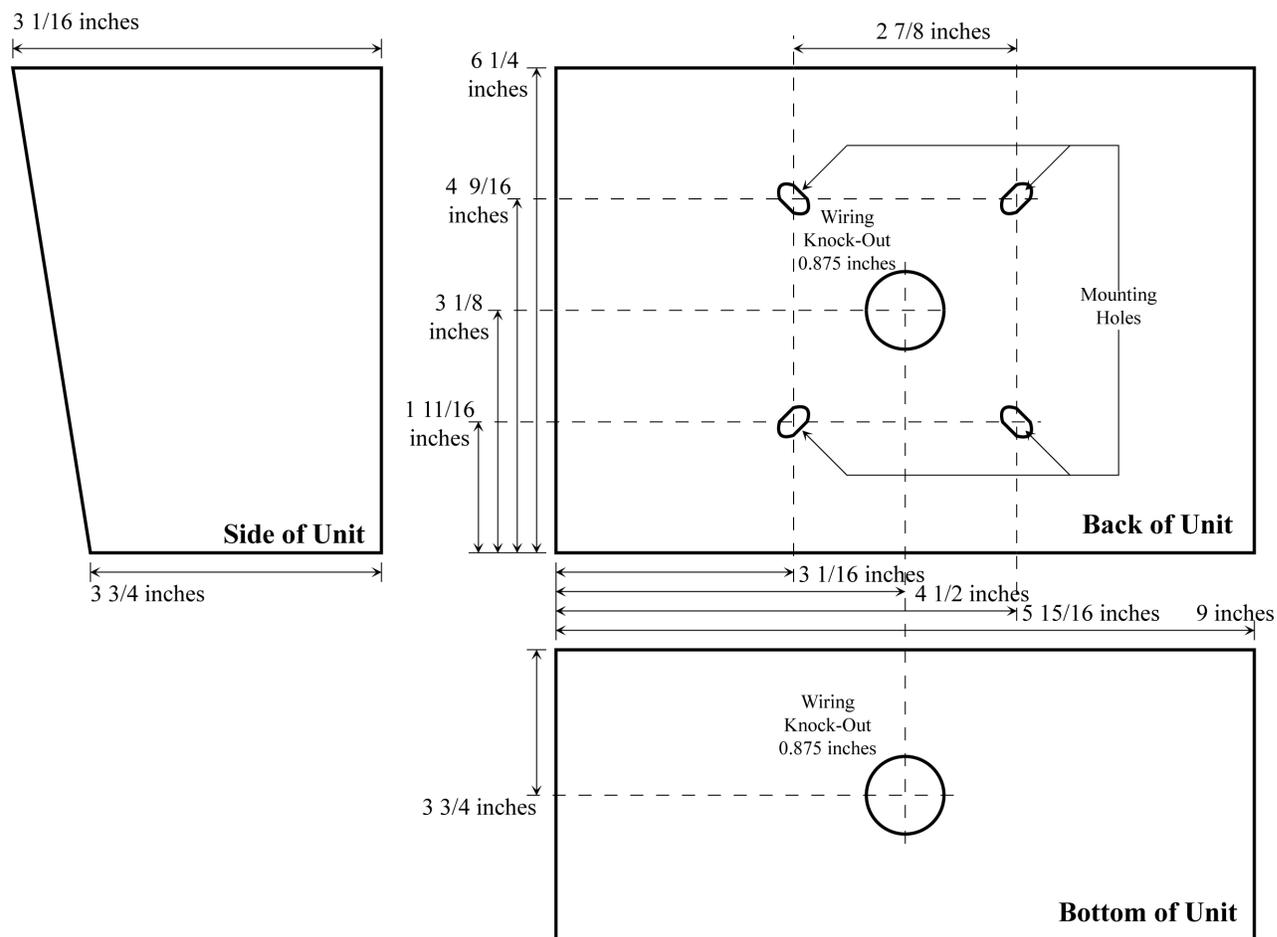
Locate the unit as near as possible to the controlled gate. Although the unit is resistant to environmental factors, it should be protected from direct rain and snow.

The unit has four mounting holes for pedestal mounting and two wiring knock-outs, one on the back of the enclosure and one on the bottom (see Figure 1 on page 2). For wall mounting, choose a rigid wall. For pedestal or fence mounting, provide enough bracing so the unit will not be subjected to excessive shock or vibration when the gate is opened.

Due to the nature of this unit's use, the unit may experience abuse and vandalism. Unit mounting must be done in such a way as to minimize the effects of such treatment.



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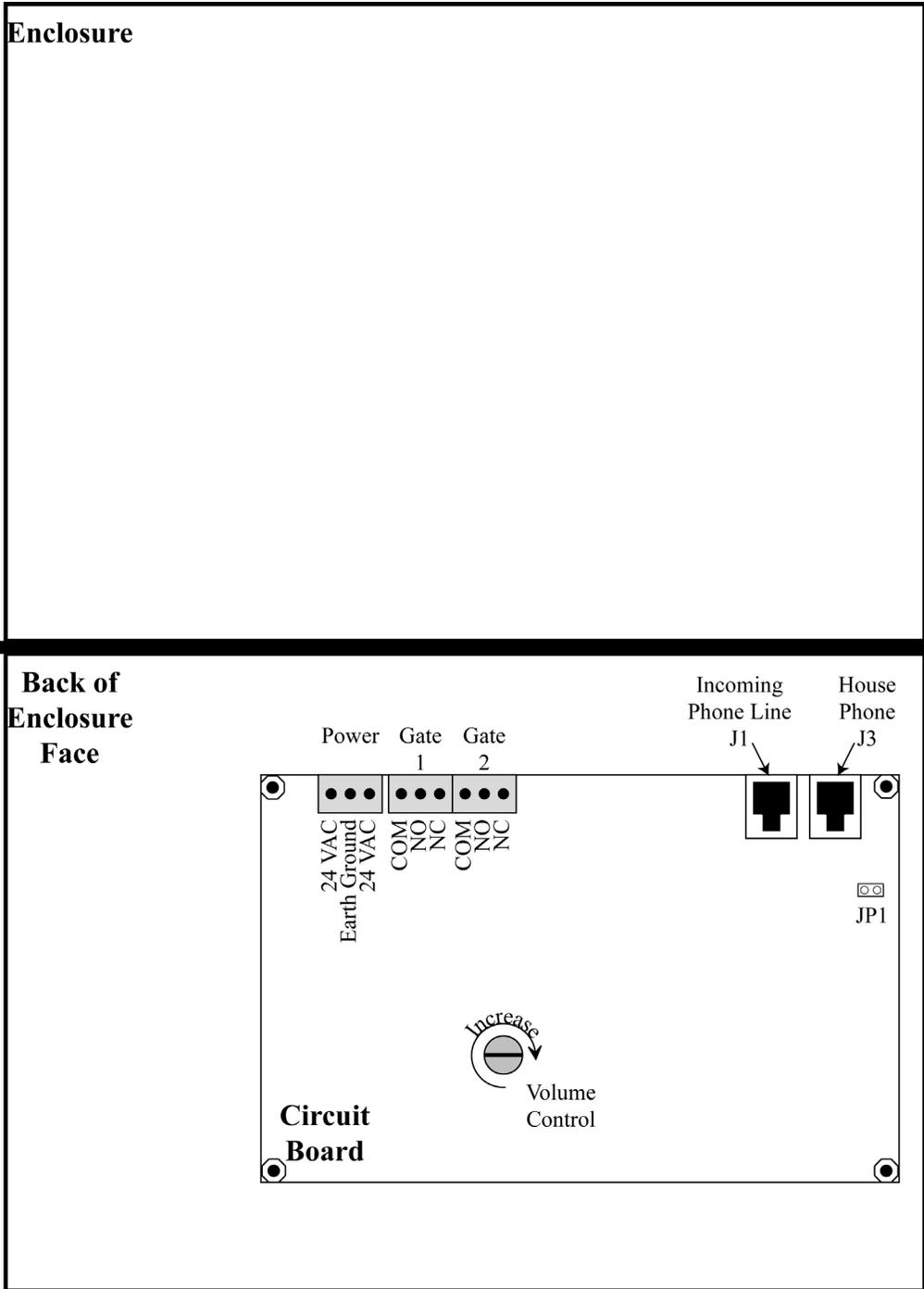
**Figure 1: EntraGuard Bronze Mounting Holes and Wiring Knock-Out**

Typical mounting hardware is #10 x 1 1/2 inch wood screws into wall studs or 3/16 inch fasteners into masonry. Provide additional framing or a backing plate when mounting the unit to paneled or dry-walled areas. The more secure the unit location and mounting, the greater the level of on-going unit integrity.

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## 2.2 System Wiring

Refer to Figure 2 for wire connection locations for all instructions in Section 2.2.



**Figure 2: Circuit Board Connections**

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## 2.2.1 Earth Ground

For safety and for EMI noise reduction reasons, the EntraGuard Bronze’s enclosure must be earth grounded. Using a ground wire, connect the unit’s enclosure to a known earth ground (such as a ground rod or a conductive cold water pipe), observing all applicable codes.

## 2.2.2 Power

The EntraGuard Bronze uses a 20 VA plug-in transformer which must be plugged into an unswitched (always ON), standard 120 VAC wall outlet. For best operating conditions:

- The outlet should be free from any other loads (preventing power fluctuations from affecting the unit).
- Locate the outlet/transformer as close as possible to the unit.
- Ensure the transformer will not be accidentally unplugged from the outlet.

If the transformer cable length is not sufficient to reach from outlet to unit, additional cable can be added. To ensure proper voltage and current at the unit, Table 1 lists the wire gauge to use based on run distance.

**Table 1: Recommended Wire Gauge per Run Distance**

Wire Length in Feet	Minimum Wire Gauge
0 to 200	18
201 to 500	16
501 to 1000	14
1001 to 2000	12

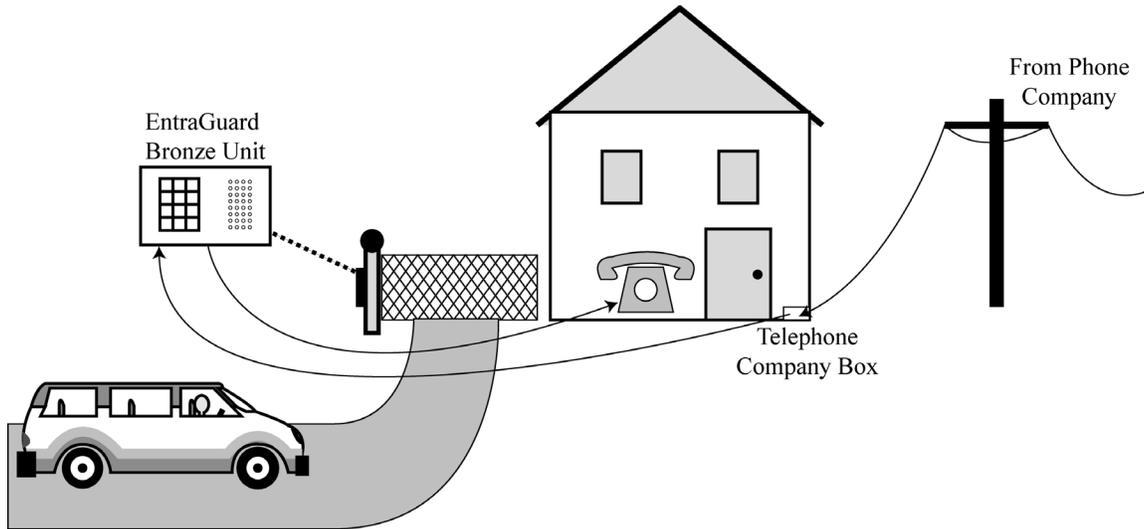
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## 2.2.3 Phone Line

The EntraGuard Bronze does not require a separate control unit or second phone line. It is wired in series with the incoming telephone service (Figure 3 on page 5). Using standard two-conductor telephone cable and RJ-11 plugs, connect the incoming phone service to the J1-CO jack (Central Office) on the EntraGuard Bronze PCB (see Figure 2 on page 3). Then connect the residential phone system to the J3-Phone jack.

In applications where the residential phone system has multiple phone lines, only one incoming telephone line can be designated as the telephone entry line, run through the EntraGuard Bronze unit.

*NOTE: Telephone wiring must be done to telephone industry standards to ensure the TIP and Ring lines are correctly connected. If these lines are not correctly connected, the unit will not operate properly.*



**Figure 3: In-Series Telephone Line Routing**

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## 2.2.3.1 Intercom Jumper

The EntraGuard Bronze has a jumper that, when in place, turns the phone and Bronze connection into an intercom without the need of an external phone line.



**CAUTION: When the jumper is in place, the phone connected to the Bronze will not be able to dial anything other than the Bronze unit. This also means that call forwarding will not work.**

Make sure the phone line from the telephone is connected to the J3-Phone jack on the Bronze. Then, to make the phone and EntraGuard Bronze act as an intercom without use of an external line, take the jumper connector (provided in a separate plastic bag) and place it over the two pins of JP1 (see Figure 2 on page 3). When the jumper is in place, the unit will act as a separate intercom with no connection to external phone lines. **Use this jumper with care. Even if an external line is connected to the Bronze, the jumper in place will prevent the phone from dialing *any* outside line.**

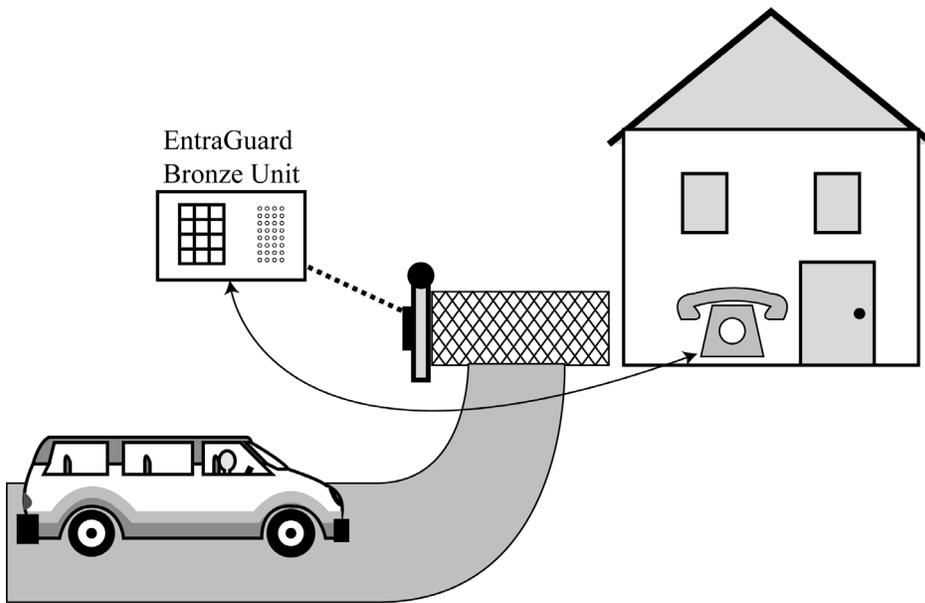


Figure 4: Intercom Wiring

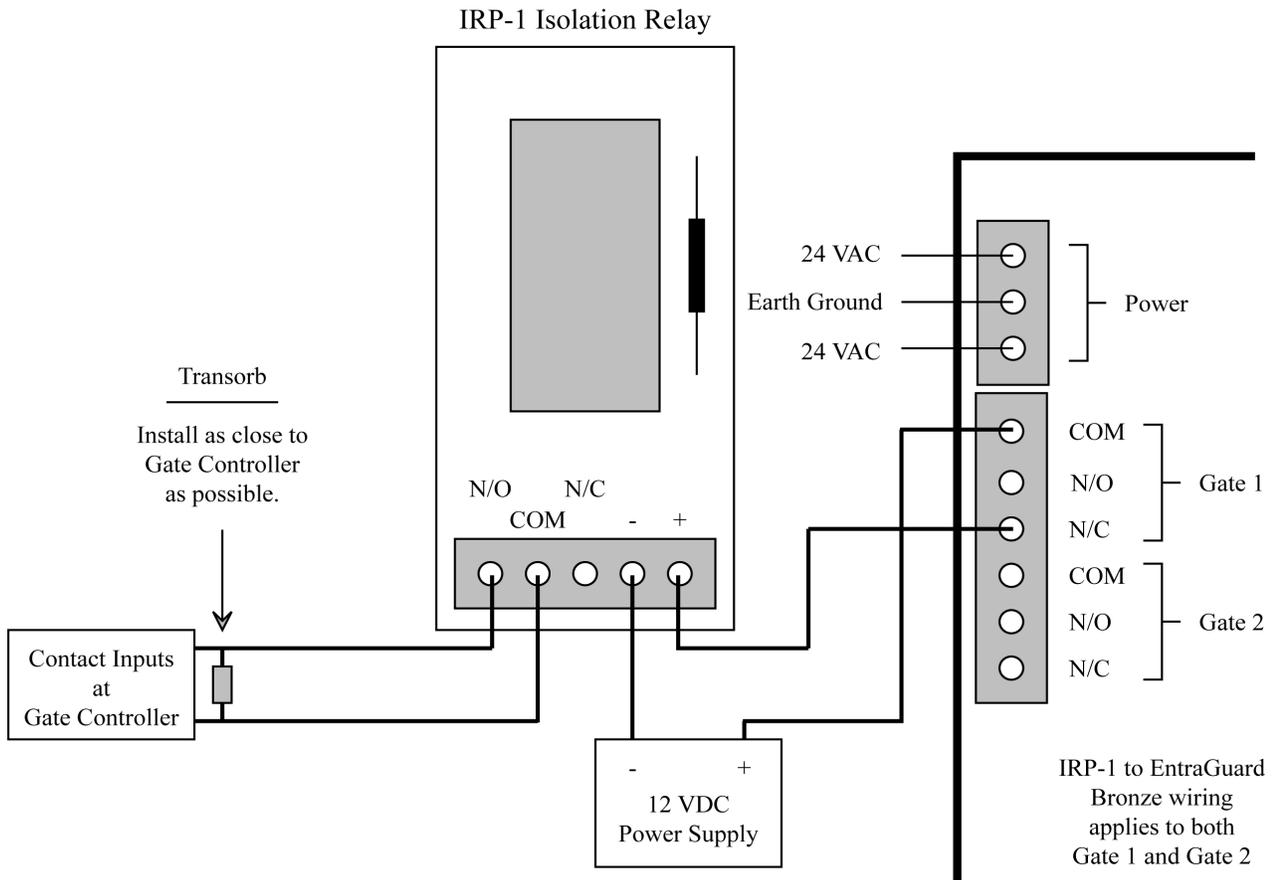
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## 2.2.4 Relays

There are two relays in the unit. Each relay can control a gate and each relay is activated by a command from either the residence telephone or from the unit itself. Make the wiring connections from the unit to your gate controller as are appropriate for the panel's needs. Typically, a two-conductor, AWG 22 wire is sufficient, however a heavier gauge of wire may be required depending upon the current demands of the gate controller panel and the wire run length. See Figure 2 on page 3 for relay pinouts.

### 2.2.4.1 Isolation Relay for Transient Protection

Some gate controllers generate transients whenever the gate is opened (typically caused by the starting of the gate motor when opening or closing the gate). These transients can be sent down the relay lines to the EntraGuard Bronze unit, affecting unit operation. To guard against transients, a Keri Systems IRP-1 can be installed on the relay line, isolating the unit from the gate controller. See Figure 5 on page 7 for a wiring diagram.



**Figure 5: IRP-1 Wiring Diagram**

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## 2.3 Telephone Bypass Module

The telephone bypass module may be installed so that in the event of a short in the EntraGuard Bronze wiring, the EntraGuard Bronze unit may be bypassed, allowing the house phone to function as normal. The Telephone Bypass Module (Keri Systems P/N 05608-001) must be purchased separately from the EntraGuard Bronze.

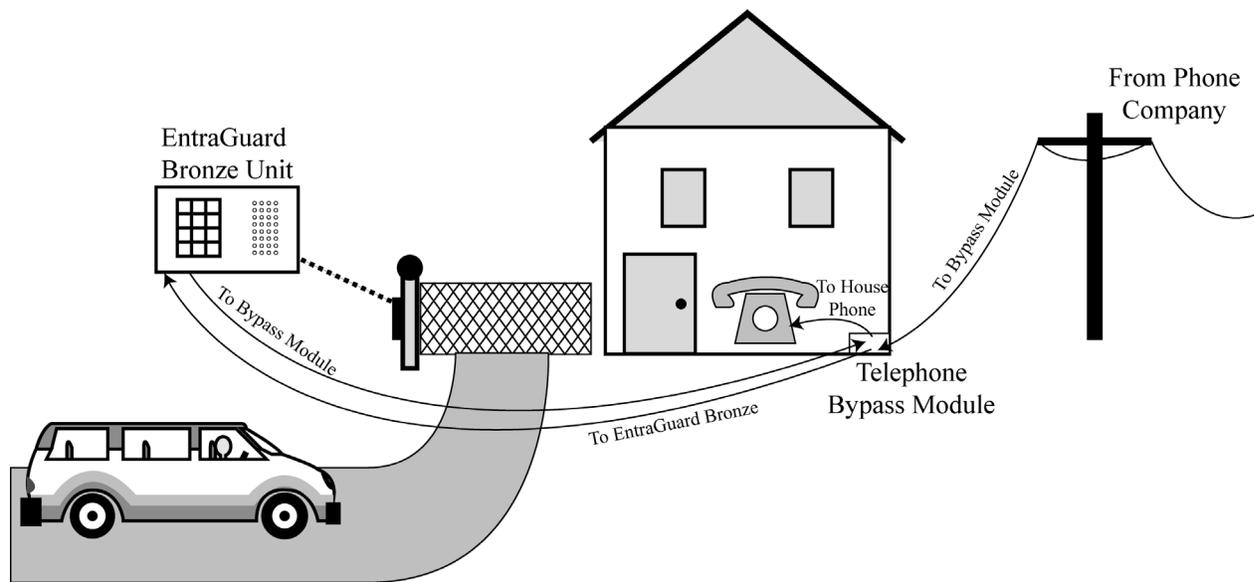


Figure 6: Telephone Bypass Routing

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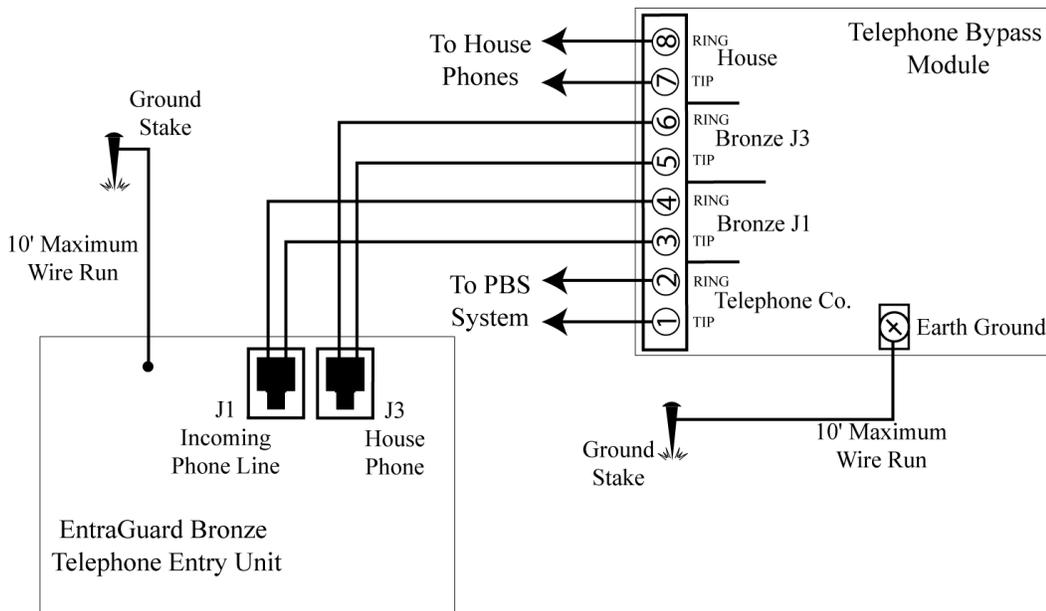


Figure 7: Bronze Telephone Bypass Module

1. Connect the bypass module's EARTH GROUND terminal to a good earth ground.
2. Before connecting the incoming telephone line to the bypass module, check the polarity of the wires with a DC voltmeter. Connect the negative wire (RING - usually green) to the bypass module TELCO RING terminal. Connect the positive wire (TIP - usually red) to the bypass module TELCO TIP terminal.
3. Connect the resident's local telephone line RING (usually green) to the bypass module HOUSE RING. Connect the local telephone line TIP (usually red) to the bypass module HOUSE TIP terminal.
4. Connect the Bronze Incoming Phone Line RING (J1) to the bypass module RE-1 TELCO RING terminal. Connect the Bronze Incoming Phone Line TIP (J1) to the bypass module RE-1 TELCO TIP terminal.
5. Connect the Bronze House Phone RING (J3) to the bypass module RE-1 HOUSE RING terminal. Connect the Bronze House Phone TIP (J3) to the bypass module RE-1 HOUSE TIP terminal.

## 2.4 Volume Control

The unit's speaker volume can be adjusted via the Volume Control potentiometer on the circuit board (Figure 2 on page 3). Rotate this potentiometer clockwise to increase volume.

*NOTE: The microphone gain is pre-set and cannot be changed. This is done to minimize the chance of feedback between microphone and speaker affecting system operation.*

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## 3.0 Standard Operation

There are six standard operating modes used by the EntraGuard Bronze telephone entry system.

- Visitor Call – when an arriving visitor requests entry.
- Call Waiting – if you are already on the telephone when a visitor entry request is made.
- Call Forwarding – designating a telephone number to which an entry request is routed when you know you will not be home.
- Remote Connection – allows you to connect to the EntraGuard Bronze unit from the residence telephone and either program or remotely operate the unit.
- Gate Operation from the EntraGuard Bronze Unit – allows you to directly operate a gate from the EntraGuard Bronze.
- Gate Operation from the Residence Telephone – allows you to directly operate a gate from the residence telephone.

The enabling/disabling of operation modes and the setting of operating parameters is described in Section 5.0 beginning on page 13.

### 3.1 Visitor Call

The Visitor Call command allows an arriving visitor to request entry by calling the residence telephone through the EntraGuard Bronze unit.

1. An arriving visitor notifies the residence by pressing the  “Call” key.
2. The residence telephone rings with the programmed ring pattern and number of rings.
3. When the residence telephone is answered, it connects to the EntraGuard Bronze unit and conversation can begin.
4. The connection is automatically disconnected after a programmed amount of time (the default time is 1 minute). The unit sounds a brief tone to warn both parties with a 3 second warning of the impending disconnection.
5. The connection time can be extended on the residence telephone by pressing the  key.
6. Communication can be terminated immediately and entry denied at any time by pressing the  key.
7. Communication can be terminated immediately and entry granted (by opening the gate) by entering the desired gate activation code on the residence telephone keypad. When the code is entered, communication with the unit is terminated and the desired gate relay is activated for the programmed amount of time.

EXAMPLE: When connected, enter the following to open Gate 1 (assuming the activation code for Gate 1 is “9”).

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## 3.2 Call Waiting

If a visitor attempts to notify the residence and the residence telephone is busy, the EntraGuard Bronze generates a call waiting signal consisting of two, short, high-pitched beeps at three-second intervals.

1. To put the original call on hold and respond to the EntraGuard Bronze unit, the residence telephone user presses the  key.
2. Once the connection to the EntraGuard Bronze is ended, the residence telephone automatically reconnects to the call on hold.

## 3.3 Call Forwarding

If the Call Forwarding feature is enabled, the EntraGuard Bronze dials a programmed remote telephone number instead of the residence telephone. If the remote number is busy, the EntraGuard Bronze unit disconnects immediately.

## 3.4 Remote Connection

Remote Connection allows you to program the EntraGuard Bronze unit from the residence telephone.

1. The residence telephone can connect to the EntraGuard Bronze at any time by pressing the  key three times with a brief delay between key presses.
2. Once connected, you must enter programming mode (see Section 5.1 on page 14) and then you can begin programming the EntraGuard Bronze unit.

## 3.5 Gate Operation From The EntraGuard Bronze Unit

The Gate Operation from the EntraGuard Bronze Unit command allows you to immediately open a gate from the Bronze unit.

- To open Gate 1 from the EntraGuard Bronze unit, press , press , and press the user's three-digit entry code.
- To open Gate 2 from the EntraGuard Bronze unit, press , press , and press the user's three-digit entry code.
- If a code entry mistake is made, the user can cancel the entry by pressing the  key at any time.

EXAMPLE: Enter the following to open Gate 1 from the EntraGuard Bronze unit with a user entry code of "212."



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## 3.6 Gate Operation From The Residence Telephone

Gate Operation from the Resident Telephone command allows you to immediately open a gate from the residence telephone.

- To connect the residence telephone to the EntraGuard Bronze unit for gate operation, press  three times with a brief delay between key presses.
- To open Gate 1 from the EntraGuard Bronze unit, press , press , and press the user's three-digit entry code.
- To open Gate 2 from the EntraGuard Bronze unit, press , press , and press the user's three-digit entry code.
- If a code entry mistake is made, the user can cancel the entry by pressing the  key at any time.

EXAMPLE: Enter the following to open Gate 1 from the residence telephone with a user entry code of "212."

## 4.0 Resetting the EntraGuard Bronze's Microprocessor

The EntraGuard Bronze comes with basic features pre-programmed. To reset the microprocessor (and clear all pre-programming), perform the following steps.

- Turn unit power OFF.
- Press and hold the  and  keys.
- Turn unit power ON.
- Release the  and  keys.

The unit is now reset.

*NOTE: Performing a reset completely erases ALL pre-programming and restores the EntraGuard Bronze to the factory defaults.*

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## 5.0 Programming

All operating parameters are programmable from either the EntraGuard Bronze's front panel keypad or from any telephone in the residence connected to the same phone line as the EntraGuard Bronze unit. There are 19 commands available.

- Add Entry Code – allows a user to activate a gate relay from the EntraGuard Bronze unit
- Delete Entry Code – deletes a users entry code
- Delete All Entry Codes – delete **all** user entry code
- Reset System – resets all programmable values to factory default settings
- Set Programming Mode Code – sets the entry code used to enter program parameters
- Set Ring Mode – sets the ring pattern used when a visitor requests entry
- Set Maximum Rings – sets the maximum number of rings used when a visitor requests entry
- Set Gate 1 Relay Access Code – allows a user to activate the gate 1 relay from the residence telephone
- Set Gate 1 Relay Timeout – sets the amount of time the gate 1 relay is activated
- Set Gate 2 Relay Access Code – allows a user to activate the gate 2 relay from the residence telephone
- Set Gate 2 Relay Timeout – sets the amount of time the gate 2 relay is activated
- Set Call Forwarding Telephone Number – sets an alternate telephone number to which entrance request calls can be forwarded
- Enable Call Forwarding – enables the call forwarding feature
- Disable Call Forwarding – disables the call forwarding feature
- Set Maximum Connection Time – sets the maximum amount of time the telephone line is active when a visitor requests entry
- Hold Open Gate 1 – immediately holds open the gate 1 relay open for a finite period of time
- Close Gate 1 – immediately closes the gate 1 relay
- Hold Open Gate 2 – immediately holds open the gate 2 relay open for a finite period of time
- Close Gate 2 – immediately closes the gate 2 relay

When entering programming commands, the unit responds to correct entries with a short, high-pitched tone to indicate the command was accepted. The unit responds to incorrect/invalid entries with a short, high-pitched tone followed by a low-pitched tone to indicate the command was rejected.



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## 5.1 Entering Programming Mode

The EntraGuard Bronze unit must be in programming mode to set any of the unit's operating parameters. The EntraGuard Bronze unit is pre-programmed with a Programming Code, see the EntraGuard Bronze Residence Guide (P/N 01911-003) for the code. The factory default is "999999."

### 5.1.1 Entering Programming Mode from the Bronze Unit

1. Press the  key three times.
2. Enter the six-digit pre-programmed code.
3. The unit emits a short high-pitched tone to indicate the code was accepted. For security reasons, the unit does not emit any sounds to indicate if an incorrect code has been entered.

EXAMPLE: Enter the following to enter a Programming Code of "135246."

### 5.1.2 Entering Programming Mode from the Residence Telephone

1. Press the  key three times.
2. Enter the six-digit pre-programmed code.
3. The unit emits a short high-pitched tone to indicate the code was accepted. For security reasons, the unit does not emit any sounds to indicate if an incorrect code has been entered.

EXAMPLE: Enter the following to enter a Programming Code of "135246."

## 5.2 Exiting Programming Mode

When programming from the EntraGuard Bronze unit, the unit exits programming mode after 1 minute of keypad inactivity. To exit programming mode immediately after entering a programming

command, press .

To exit programming mode when using the residence telephone, press  or simply hang up.

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## 5.3 Program Commands

Once in programming mode, you can change any of the EntraGuard Bronze's programmable commands. The general process for changing an existing command value is as follows:

1. Enter the two-digit programming command code for the command you wish to change.
2. If applicable, enter the new value (some commands simply enable or disable a feature and do not have an associated value).
  - If an entry error has been made, press  and start again from Step 1.
3. Press  to lock in the change.
  - If the entry is valid, the unit emits a short, high-pitched tone to indicate the change has been accepted.
  - If the entry is invalid, the unit emits a short, high-pitched tone followed by a low-pitched tone to indicate the change has been rejected.
4. Return to Step 1 to enter another program command change, or to exit programming mode, either press  or hang up (if using the residence telephone).

Programming examples are provided with each of the commands described below.

### 5.3.1 Add Entry Code

An Entry Code is a three-digit number entered at the EntraGuard Bronze unit which allows the user to activate a gate relay (see "Gate Operation From The EntraGuard Bronze Unit" on page 11). You can have up to 50 entry codes. The EntraGuard Bronze comes with four pre-programmed Entry Codes, see the EntraGuard Bronze Residence Guide (P/N 01911-003). The factory default is "123." Perform the following to add an entry code.

1. Press  .
2. Enter the desired three-digit entry code –   .
3. Press  to lock in the new entry code. The unit emits a short, high-pitched tone to indicate the new entry code has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the entry code has been rejected.

EXAMPLE: Enter the following to set an Entry Code of "159."

4. You can now enter another program command or press  to exit programming mode.



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## 5.3.2 Delete Entry Code

Entry codes can be deleted as required to prevent gate activation by that entry code. Perform the following to delete an entry code.

1. Press  .
2. Enter the desired three-digit entry code to delete –   .
3. Press  to delete the entry code. The unit emits a short, high-pitched tone to indicate the deletion has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the deletion has been rejected.

EXAMPLE: Enter the following to Delete an Entry Code of “159.”

4. You can now enter another program command or press  to exit programming mode.

## 5.3.3 Delete All Entry Codes

**ALL** entry codes can be deleted by this one command. Perform the following to delete **all** entry codes and no longer allow gate activation by any entry code.

1. Press  .
2. Press  to delete all entry codes. The unit emits a short, high-pitched tone to indicate the deletions have been accepted.

EXAMPLE: Enter the following to Delete All Entry Codes.

3. You can now enter another program command or press  to exit programming mode.

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## 5.3.4 Reset System

Resetting the System returns all programmable values to their factory default settings. Perform the following to reset the EntraGuard Bronze system.

1. Press  .
2. Press  to reset the system. The unit emits a short, high-pitched tone to indicate the reset has been accepted.

EXAMPLE: Enter the following to Reset the System.

3. You can now enter another program command or press  to exit programming mode.

## 5.3.5 Set Programming Mode Entry Code

To increase system security, you have the option to change the code number required to enter programming mode. The EntraGuard Bronze unit has been pre-programmed with a unique Programming Code, see the EntraGuard Bronze Residence Guide (P/N 01911-003) for this code.

*NOTE: To ensure the security of your EntraGuard Bronze system, Keri Systems strongly recommends that you perform this command if your Programming Code has been discovered by anyone who should not know it.*

This code number must be six-digits long. For security reasons, certain consecutive strings of numbers are not accepted; for example, "123456" is not accepted. Perform the following to set the programming mode entry code.

1. Press  .
2. Enter the desired six-digit programming mode entry code –      .
3. Press  to lock in the new programming mode entry code. The unit emits a short, high-pitched tone to indicate the new code has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the programming mode entry code has been rejected.

EXAMPLE: Enter the following to set a Programming Mode Entry Code of "135246."

4. You can now enter another program command or press  to exit programming mode.



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## 5.3.6 Set Ring Mode

The Ring Mode allows you to set the type of ring generated when the EntraGuard Bronze unit calls the residence telephone. Two ring modes are available.

- Type 1 – three short rings followed by a long pause (the default setting)
- Type 2 – two medium rings followed by a long pause

Perform the following to set the ring mode.

1. Press  .
2. Enter the desired ring type – .
3. Press  to lock in the new ring type. The unit emits a short, high-pitched tone to indicate the new ring type has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the ring type has been rejected.

EXAMPLE: Enter the following to set Ring Type “1.”

4. You can now enter another program command or press  to exit programming mode.

## 5.3.7 Set Maximum Rings

The Maximum Rings allows you to set the maximum number of rings the EntraGuard Bronze makes when the unit calls the residence telephone. The pre-programmed value has been set at “2” rings. The factory default value is “6” rings; the maximum value is “19” rings. Entering “0” sets the unit to ring until it is answered or the  key is pressed on the Bronze unit (no maximum ring value). Perform the following to set the maximum number of rings.

1. Press  .
2. Enter the desired number of rings –  .
3. Press  to lock in the maximum number of rings. The unit emits a short, high-pitched tone to indicate the maximum number of rings has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the number of rings has been rejected.

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EXAMPLE: Enter the following to set the maximum number of rings to “10.”

4. You can now enter another program command or press  to exit programming mode.

## 5.3.8 Set Gate 1 Relay Access Code

The Gate 1 Relay Access Code is a single-digit number that, when entered at the residence telephone, activates gate relay 1 allowing access. Perform the following to set the gate 1 relay access code.

1. Press  .
2. Enter the desired relay 1 activation code –  (default code is “9”).
3. Press  to lock in the new gate 1 relay access code. The unit emits a short, high-pitched tone to indicate the gate 1 relay access code has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 1 relay access code has been rejected.

EXAMPLE: Enter the following to set a Relay 1 Activation Code of “5.”

4. You can now enter another program command or press  to exit programming mode.

## 5.3.9 Set Gate 1 Relay Timeout

The Gate 1 Relay Timeout sets the time, in seconds, that the gate 1 relay is activated. The timeout value range is from 1 to 65 seconds; if you enter 0, the relay will never open. Perform the following to set the gate 1 relay timeout value.

1. Press  .
2. Enter the desired gate 1 relay timeout value –   (default value is 5 seconds). If the entered timeout value is out of range an error tone sounds and the input is ignored.
3. Press  to lock in the new gate 1 relay timeout value. The unit emits a short, high-pitched tone to indicate the gate 1 relay timeout value has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 1 relay timeout value has been rejected.



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EXAMPLE: Enter the following to set a Gate 1 Relay Timeout value of “30” seconds.

- You can now enter another program command or press  to exit programming mode.

## 5.3.10 Set Gate 2 Relay Access Code

The Gate 2 Relay Access Code is a single-digit number that, when entered at the residence telephone, activates gate relay 2 allowing access. Perform the following to set the gate 2 relay access code.

- Press  .
- Enter the desired relay 2 activation code –  (default code is “2”).
- Press  to lock in the new relay 2 activation code. The unit emits a short, high-pitched tone to indicate the relay 2 activation code has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the relay 2 activation code has been rejected.

EXAMPLE: Enter the following to set a Relay 2 Activation Code of “6.”

- You can now enter another program command or press  to exit programming mode.

## 5.3.11 Set Gate 2 Relay Timeout

The Gate 2 Relay Timeout sets the time, in seconds, that the gate 2 relay is activated. The timeout value range is from 1 to 65 seconds; if you enter 0, the relay will never open. Perform the following to set the gate 2 relay timeout value.

- Press  .
- Enter the desired gate 2 relay timeout value –   (default value is 5 seconds). If the entered timeout value is out of range an error tone sounds and the input is ignored.
- Press  to lock in the new gate 2 relay timeout value. The unit emits a short, high-pitched tone to indicate the gate 2 relay timeout value has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 2 relay timeout value has been rejected.

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EXAMPLE: Enter the following to set a Gate 2 Relay Timeout value of “45” seconds.

4. You can now enter another program command or press  to exit programming mode.

## 5.3.12 Set Call Forwarding Phone Number

The Call Forwarding Phone Number allows you to enter the telephone number to be dialed by the EntraGuard Bronze unit when you enable call forwarding. This telephone number can be up to 20 digits long. Typically this command is used when you will not be in the residence, but you still need to be able to grant access to a visitor. When this feature is activated (see “Enable Call Forwarding”) and a visitor requests entry, the EntraGuard Bronze will dial the call forwarding telephone number instead of the residence telephone number. Perform the following to set the call forwarding telephone number.

1. Press  .

2. Enter the desired call forwarding telephone number –       .

3. Press  to lock in the call forwarding telephone number. The unit emits a short, high-pitched tone to indicate the call forwarding telephone number has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the call forwarding telephone number has been rejected.

EXAMPLE: Enter the following to set a call forwarding telephone number of “555 1212.”

4. You can now enter another program command or press  to exit programming mode.



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## 5.3.13 Enable Call Forwarding

The Enable Call Forwarding command allows you to enable the EntraGuard Bronze unit to perform call forwarding. A call forwarding telephone number must have already been programmed into the EntraGuard Bronze unit (see “Set Call Forwarding Phone Number”). Typically this command is used when you will not be in the residence, but you still need to be able to grant access to a visitor. When this feature is activated and a visitor requests entry, the EntraGuard Bronze will dial the call forwarding telephone number instead of the residence telephone number. Perform the following to enable call forwarding.

1. Press  . If a call forwarding telephone number has not already been entered an error tone sounds and the input is ignored.
2. Press  to enable call forwarding. The unit emits a short, high-pitched tone followed by a low-pitched tone to indicate call forwarding has been enabled.

EXAMPLE: Enter the following to Enable Call Forwarding.

3. You can now enter another program command or press  to exit programming mode.

## 5.3.14 Disable Call Forwarding

The Disable Call Forwarding command allows you to disable the EntraGuard Bronze unit to perform call forwarding. Perform the following to disable call forwarding.

1. Press  . If a call forwarding telephone number has not already been entered an error tone sounds and the input is ignored.
2. Press  to disable call forwarding. The unit emits a short, high-pitched tone followed by a low-pitched tone to indicate the call forwarding has been disabled.

EXAMPLE: Enter the following to Disable Call Forwarding.

3. You can now enter another program command or press  to exit programming mode.

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## 5.3.15 Set Maximum Connection Time

The Set Maximum Connection Time command allows you to set the maximum amount of time the connection between the EntraGuard Bronze unit and the residence telephone remains active. Once this time has passed, the Bronze unit releases the phone line providing the normal dial tone. The factory default value is 60 seconds; the maximum value is 65 seconds. Entering a value of 0 sets the unit to not allow a connection. Perform the following to set the maximum connection time.

1. Press **5** **0**.
2. Enter the desired maximum connection time value – **x** **x** (default is 60 seconds).
3. Press **#** to lock in the new maximum connection time. The unit emits a short, high-pitched tone to indicate the new maximum connection time has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the maximum connection time has been rejected.

EXAMPLE: Enter the following to set the maximum connection time to “45” seconds.

**5** **0** **4** **5** **#**

4. You can now enter another program command or press **\*** to exit programming mode.

## 5.3.16 Hold-Open Gate 1

The Hold-Open Gate 1 command allows you to immediately activate the gate 1 relay for the specified period of time. The time range is from 1 to 99998 minutes (approximately 69.5 days). If no value is entered, gate 1 remains open until a Close Gate 1 command is issued (see “Close Gate 1” on page 24). Once the command is issued, the gate is opened immediately.

Perform the following to hold gate 1 open for a finite period of time.

1. Press **6** **0**.
2. Enter the desired gate 1 hold-open value – **x** **x**.
3. Press **#** to lock in the gate 1 hold-open value. The unit emits a short, high-pitched tone to indicate the gate 1 hold-open value has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 1 hold-open time has been rejected.



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EXAMPLE: Enter the following to hold gate 1 open for “15” minutes.

4. You can now enter another program command or press  to exit programming mode.

Perform the following to hold gate 1 open indefinitely.

1. Press  .
2. Press  to hold-open gate 1 indefinitely. The unit emits a short, high-pitched tone followed by a low-pitched tone to indicate the gate 1 hold-open command has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 1 hold-open time has been rejected.

EXAMPLE: Enter the following to hold gate 1 open indefinitely.

3. You can now enter another program command or press  to exit programming mode.

## 5.3.17 Close Gate 1

The Close Gate 1 command is used to immediately close a gate. Typically this command is used to close a gate that has been held-open indefinitely, or to close a gate before its programmed hold-open time expires. Perform the following to close gate 1 immediately.

1. Press  .
2. Press  to close gate 1 immediately. The unit emits a short, high-pitched tone followed by a low-pitched tone to indicate the close gate 1 command has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 1 hold-open time has been rejected.

EXAMPLE: Enter the following to close gate 1 immediately.

3. You can now enter another program command or press  to exit programming mode.

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## 5.3.18 Hold-Open Gate 2

The Hold-Open Gate 2 command allows you to immediately activate the gate 2 relay for the specified period of time. The time range is from 1 to 99998 minutes (approximately 69.5 days). If no value is entered, Gate 2 remains open until a Close Gate 2 command is issued (see “Close Gate 2” on page 26). Once the command is issued, the gate is opened immediately.

Perform the following to hold gate 2 open for a finite period of time.

1. Press  .
2. Enter the desired gate 2 hold-open value –  .
3. Press  to lock in the gate 2 hold-open value. The unit emits a short, high-pitched tone to indicate the gate 2 hold-open value has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 2 hold-open time has been rejected.

EXAMPLE: Enter the following to hold gate 2 open for “5” minutes.

4. You can now enter another program command or press  to exit programming mode.

Perform the following to hold gate 2 open indefinitely.

1. Press  .
2. Press  to hold-open gate 2 indefinitely. The unit emits a short, high-pitched tone to indicate the gate 2 hold-open command has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 2 hold-open time has been rejected.

EXAMPLE: Enter the following to hold gate 2 open indefinitely.

3. You can now enter another program command or press  to exit programming mode.



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## 5.3.19 Close Gate 2

The Close Gate 2 command is used to immediately close a gate. Typically this command is used to close a gate that has been held-open indefinitely, or to close a gate before its programmed hold-open time expires. Perform the following to close gate 2 immediately.

1. Press  .
2. Press  to close gate 2 immediately. The unit emits a short, high-pitched tone to indicate the close gate 2 command has been accepted. The unit emits a short, high-pitched tone followed by a low-pitched tone if the gate 2 hold-open time has been rejected.

EXAMPLE: Enter the following to close gate 2 immediately.

3. You can now enter another program command or press  to exit programming mode.

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## 6.0 Table of Basic Operation Commands

Operation	Instructions
Visitor Call	<ul style="list-style-type: none"> <li>• Visitor notifies residence by pressing <input type="text" value="#"/> key.</li> <li>• Resident answers telephone.</li> <li>• Resident disconnects immediately by pressing <input type="text" value="*"/> key.</li> <li>• Resident allows gate entry by pressing <input type="text" value="#"/> <input type="text" value="x"/> – where “x” is the gate access code.</li> </ul>
Call Waiting	<ul style="list-style-type: none"> <li>• Visitor notifies residence by pressing <input type="text" value="#"/> key.</li> <li>• Resident hears the call waiting signal of two, short, high-pitched beeps at three-second intervals.</li> <li>• Resident presses <input type="text" value="#"/> to place original call on hold.</li> <li>• When visitor call is ended, the original call is restored.</li> </ul>
Gate Operation from the EntraGuard Bronze Unit	<ul style="list-style-type: none"> <li>• Press <input type="text" value="*"/> <input type="text" value="1"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> (the gate entry code) to open gate 1.</li> <li>• Press <input type="text" value="*"/> <input type="text" value="2"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> (the gate entry code) to open gate 2.</li> </ul>
Gate Operation from the Residence Telephone	<ul style="list-style-type: none"> <li>• Press <input type="text" value="#"/> <input type="text" value="#"/> <input type="text" value="#"/>.</li> <li>• Press <input type="text" value="*"/> <input type="text" value="1"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> (the gate entry code) to open gate 1.</li> <li>• Press <input type="text" value="*"/> <input type="text" value="2"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> (the gate entry code) to open gate 2.</li> </ul>



# EntraGuard Bronze

## 7.0 Table of Programming Commands

Programming commands can be performed at the EntraGuard Bronze unit or the residence telephone.

Programming Command	Instructions
Enter Programming Mode From the Bronze Unit	<ul style="list-style-type: none"> <li>Press <input type="text" value="*"/> <input type="text" value="*"/> <input type="text" value="*"/>.</li> <li>Press <input type="text" value="x"/> – the six-digit programming code.</li> <li>The unit emits a short high-pitched tone to indicate the unit is in programming mode. If no sound is emitted an invalid programming code has been entered.</li> </ul>
Enter Programming Mode From the Residence Telephone	<ul style="list-style-type: none"> <li>Press <input type="text" value="#"/> <input type="text" value="#"/> <input type="text" value="#"/>.</li> <li>Press <input type="text" value="x"/> – the six-digit programming code.</li> <li>The unit emits a short high-pitched tone to indicate the unit is in programming mode. If no sound is emitted an invalid programming code has been entered.</li> </ul>
<b>All subsequent commands assume the EntraGuard Bronze unit is in Programming Mode.</b>	
Add an Entry Code Default = 123	<ul style="list-style-type: none"> <li>Press <input type="text" value="0"/> <input type="text" value="1"/>.</li> <li>Press <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> – the desired entry code.</li> <li>Press <input type="text" value="#"/>. The unit emits a short high-pitched tone to indicate the code has been accepted. A high-low tone is emitted if an invalid programming code has been entered.</li> </ul>
Delete an Entry Code	<ul style="list-style-type: none"> <li>Press <input type="text" value="0"/> <input type="text" value="2"/>.</li> <li>Press <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> – the entry code to be deleted.</li> <li>Press <input type="text" value="#"/>. The unit emits a short high-pitched tone to indicate the code has been deleted. A high-low tone is emitted if an invalid entry code has been entered.</li> </ul>

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Programming Command	Instructions
Delete all Entry Codes	<ul style="list-style-type: none"> <li>• Press <b>0 3</b>.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate all entry codes have been deleted. A high-low tone is emitted if an invalid entry code has been entered.</li> </ul>
Reset the EntraGuard Bronze Unit	<ul style="list-style-type: none"> <li>• Press <b>0 9</b>.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the unit has been reset.</li> </ul>
Set the Programming Mode Entry Code  Default = 999999	<ul style="list-style-type: none"> <li>• Press <b>1 0</b>.</li> <li>• Press <b>x x x x x x</b> – the desired six-digit programming code.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the entry code has been accepted. A high-low tone is emitted if an invalid entry code has been entered.</li> </ul>
Set the Ring Mode  Default = Type 1	<ul style="list-style-type: none"> <li>• Press <b>2 0</b>.</li> <li>• Press <b>x</b> – the desired ring mode.               <ul style="list-style-type: none"> <li>- Type 1: three short rings - long pause</li> <li>- Type 2: two medium rings - long pause</li> </ul> </li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the ring mode has been accepted. A high-low tone is emitted if an invalid ring mode has been entered.</li> </ul>
Set the Maximum Number of Rings  Default = 6	<ul style="list-style-type: none"> <li>• Press <b>2 1</b>.</li> <li>• Press <b>x x</b> – the desired number of rings.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the number of rings has been accepted. A high-low tone is emitted if an invalid number of rings has been entered.</li> </ul>



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Programming Command	Instructions
Set Gate 1 Relay Access Code Default = 9	<ul style="list-style-type: none"> <li>Press <b>3</b> <b>0</b>.</li> <li>Press <b>x</b> – the desired relay access code.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the access code has been accepted. A high-low tone is emitted if an invalid access code has been entered.</li> </ul>
Set Gate 1 Relay Timeout Default = 5 seconds	<ul style="list-style-type: none"> <li>Press <b>3</b> <b>1</b>.</li> <li>Press <b>x</b> <b>x</b> – the desired relay timeout value.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the timeout value has been accepted. A high-low tone is emitted if an invalid timeout value has been entered.</li> </ul>
Set Gate 2 Relay Access Code Default = 2	<ul style="list-style-type: none"> <li>Press <b>3</b> <b>2</b>.</li> <li>Press <b>x</b> – the desired relay access code.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the access code has been accepted. A high-low tone is emitted if an invalid access code has been entered.</li> </ul>
Set Gate 2 Relay Timeout Default = 5 seconds	<ul style="list-style-type: none"> <li>Press <b>3</b> <b>3</b>.</li> <li>Press <b>x</b> <b>x</b> – the desired relay timeout value.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the timeout value has been accepted. A high-low tone is emitted if an invalid timeout value has been entered.</li> </ul>

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Programming Command	Instructions
Set Call Forwarding Telephone Number	<ul style="list-style-type: none"> <li>• Press <b>4 0</b>.</li> <li>• Press <b>x x x x x x x</b> – the desired forwarding telephone number (up to 20 digits).</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the telephone number has been accepted. A high-low tone is emitted if an invalid telephone number has been entered.</li> </ul>
Enable Call Forwarding	<ul style="list-style-type: none"> <li>• Press <b>4 1</b>.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate call forwarding has been enabled.</li> </ul>
Disable Call Forwarding	<ul style="list-style-type: none"> <li>• Press <b>4 2</b>.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate call forwarding has been disabled.</li> </ul>
Set Maximum Connection Time  Default = 60 seconds	<ul style="list-style-type: none"> <li>• Press <b>5 0</b>.</li> <li>• Press <b>x x</b> – the desired maximum connection time.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the connection time has been accepted. A high-low tone is emitted if an invalid connection time has been entered.</li> </ul>
Hold Open Gate 1 – Fixed Period of Time	<ul style="list-style-type: none"> <li>• Press <b>6 0</b>.</li> <li>• Press <b>x x</b> – the desired maximum connection time, in minutes.</li> <li>• Press <b>#</b>. The unit emits a short high-pitched tone to indicate the gate hold open time has been accepted. A high-low tone is emitted if an invalid gate hold open time has been entered.</li> </ul>



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Programming Command	Instructions
Hold Open Gate 1 – Indefinitely	<ul style="list-style-type: none"> <li>Press <b>6 0</b>.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the gate hold open time has been accepted.</li> </ul>
Close Gate 1	<ul style="list-style-type: none"> <li>Press <b>6 1</b>.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the close command has been accepted.</li> </ul>
Hold Open Gate 2 – Fixed Period of Time	<ul style="list-style-type: none"> <li>Press <b>6 2</b>.</li> <li>Press <b>x x</b> – the desired maximum connection time, in minutes.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the gate hold open time has been accepted. A high-low tone is emitted if an invalid gate hold open time has been entered.</li> </ul>
Hold Open Gate 2 – Indefinitely	<ul style="list-style-type: none"> <li>Press <b>6 2</b>.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the gate hold open time has been accepted.</li> </ul>
Close Gate 2	<ul style="list-style-type: none"> <li>Press <b>6 3</b>.</li> <li>Press <b>#</b>. The unit emits a short high-pitched tone to indicate the close command has been accepted.</li> </ul>