DIAL CODE CONTROLLER

O W N E R S   M A N U A L

Telephone Entry System with 32 Zone control

with
BUILT-IN
surge suppression

VISIT US ON THE WEB
www.chamberlain.com

CHAMBERLAIN
ELITE™

TABLE OF CONTENTS

Dial Code Controller manual

version 3.0

⚠ **To be installed by Qualified Dealers ONLY!**

DIAL CODE CONTROLLER OVERVIEW

STANDARD FEATURES

- Two line Large LC Display.
- Memory capacity: 250, 500, 1000 names.
- User-friendly programmability via built-in alpha-numeric keyboard eliminates the need for user's manual.
- Four character alpha-numeric password required to enter
- Power failure backups:
  - Battery backup for complete function for up to 5 hrs.
  - Battery enables dial out, program, & display.
  - Non-Volatile removable SRAM memory has unlimited write cycles (unlike EEPROM).
  - Non-Volatile Real Time Clock/Calendar.
- Non-Volatile PCMCIA memory card
- Two (2) slots for PCMCIA memory cards.
- Double box with built-in full keyboard for data processing.
- Programmable via modem-2400 bps to 14400 bps.
- FCC part 68 ,15 & Canadian DOC approval
- ETL listed - UL STD 294 and UL 1950
- Surge protection:
  - 6000V, 3000A
  - Power input port
  - Telephone line port
  - RS-485 ports
  - Relay ports
  - Input port
  - Immune to 25,000V electrostatic discharge.

3 YEAR WARRANTY
Factory to Dealer

SPECIFICATIONS

- Construction: Front Panel: 16 gauge stainless steel. Processor Containment Box: Al anodized, powder coated 16 gauge metal (weather resistant finish)
- Entire system is rain resistant.
- Power Input: 12 VAC, 40VA UL listed transformer.
- Operating Environment:
  - Temperature: -4 F to +185 F
    (Heater kit available at additional cost.)
  - Relative Humidity: 5% - 95% non-condensing.
- Dimensions: 11 1/4" W X 16 7/16" H X 4 1/8" D
- Shipping Weight: Approximately 25 lbs.
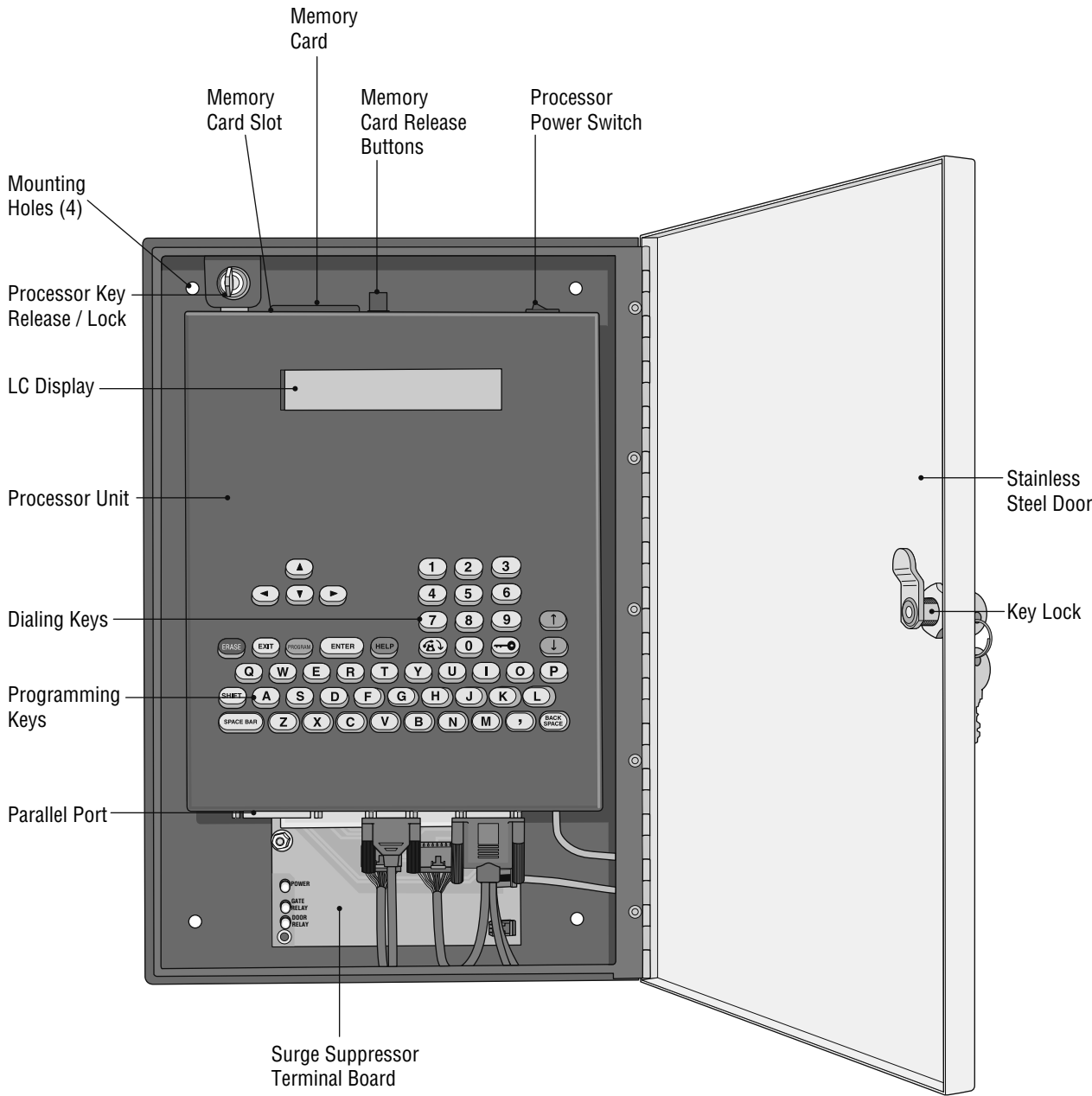
Memory
Card

Memory
Card Slot

Memory
Card Release
Buttons

Processor
Power Switch

Mounting
Holes (4)

Processor Key
Release / Lock

LC Display

Processor Unit

Stainless
Steel Door

Dialing Keys

Key Lock

Programming
Keys

Parallel Port

POWER

GATE
RELAY

DOOR
RELAY

Surge Suppressor
Terminal Board

All components and specifications are subject to change without notice.

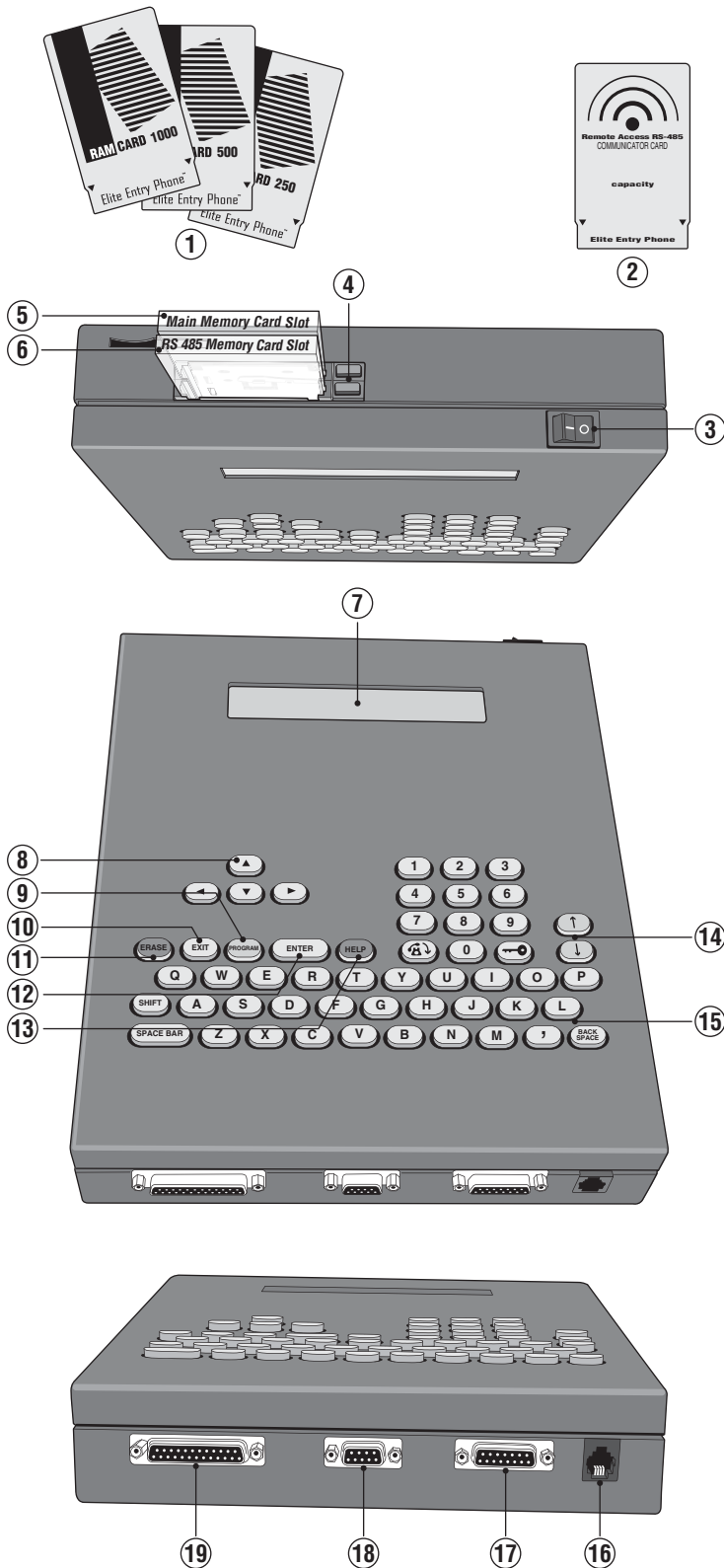# DIAL CODE CONTROLLER FEATURES (OUTSIDE)
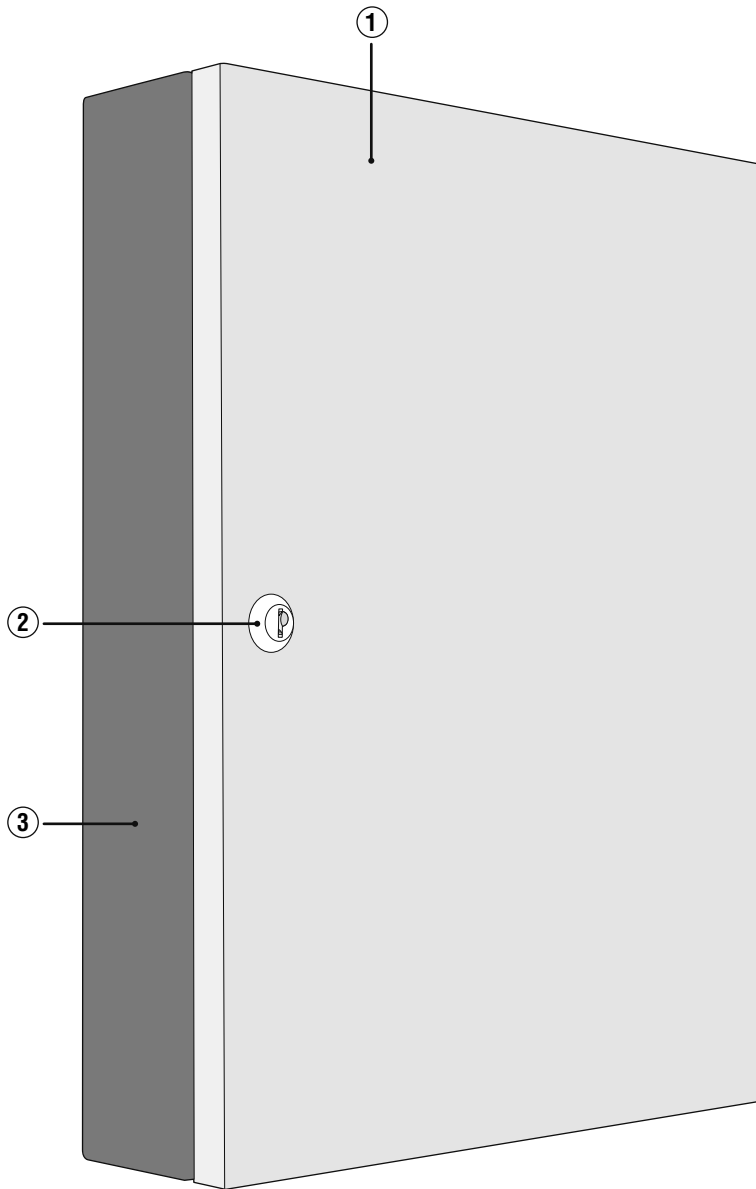
(1) **16 GAUGE STAINLESS STEEL DOOR -** Heavy-duty and weather resistant.

(2) **KEY LOCK -** Opens the Processor Containment Box to access the Processor.

(3) **PROCESSOR CONTAINMENT BOX -** 16 Gauge Stainless Steel Powder Coated.

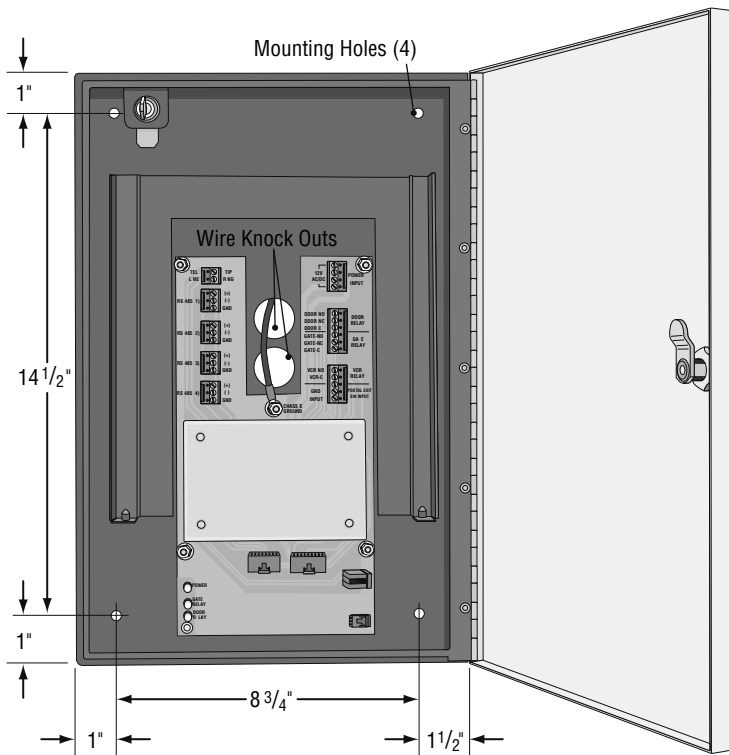All components and specifications are subject to change without notice.

DIAL CODE CONTROLLER FEATURES (PROCESSOR)

1. **MEMORY CARD -** STORES ALL PROGRAMMED INFORMATION. (DIFFERENT MEMORY SIZES AVAILABLE)

2. **COMMUNICATOR CARD -** CARD FOR RS-485 DEVICES.

3. **POWER ON/OFF SWITCH**

4. **CARD RELEASE BUTTONS -** EJECT CARDS WHEN PRESSED.

5. **MAIN MEMORY CARD SLOT -** HOLDS MAIN MEMORY CARD.

6. **RS 485 MEMORY CARD SLOT -** HOLDS RF COMMUNICATOR CARD OR BACKUP MEMORY.

7. **LCD TWO LINE, LARGE LIQUID CRYSTAL DISPLAY -** DISPLAYS INFORMATION AND INSTRUCTIONS, TWO LINES AT A TIME.

8. **DIRECTION KEYS** - MOVE CURSOR TO DESIRED POSITION WITHIN SCREENS.

9. **PROGRAM KEY -** SETS PROCESSOR TO THE PROGRAM MODE.

10. **EXIT KEY -** PRESS THIS KEY TO GO BACK TO THE PREVIOUS SCREEN / MENU.

11. **ERASE KEY -** ERASES INFORMATION SCREENS NO LONGER NEEDED.

12. **ENTER KEY -** REGISTERS INFORMATION INTO MEMORY AFTER IT IS TYPED.

13. **HELP KEY -** HELPS USER WHILE IN PROGRAMMING OR USER MODES.

14. **SCROLL KEYS -** SCROLLS THROUGH SCREENS / MENUS.

15. **KEYBOARD -** WORKS LIKE STANDARD KEYBOARD TO TYPE IN INFORMATION AND NAMES.

16. **PHONE JACK (RJ11) -** CONNECTS TO SURGE SUPPRESSOR TERMINAL BOARD.

17. **INPUT/OUTPUT CONNECTOR -** CONNECTS TO SURGE SUPPRESSOR TERMINAL BOARD.

18. **COMMUNICATION PORT -** CONNECTS TO SURGE SUPPRESSOR TERMINAL BOARD.

19. **PARALLEL PORT -** USED FOR THE ICON26 ONLY.

All components and specifications are subject to change without notice.

MOUNTING SPECIFICATIONS

Mounting Holes (4)

1"

14 1/2"

1"

Wire Knock Outs

TEL
L NC

TIP
R NC

RS 485 1
(+)
(-)
GND

RS 485 2
(+)
(-)
GND

RS 485 3
(+)
(-)
GND

RS 485 4
(+)
(-)
GND

12V
AC/DC

POWER
INPUT

DOOR N/O
DOOR N/O
DOOR C
GATE-NO
GATE-NC
GATE-C

DOOR
RELAY

GA E
RELAY

VCR N/O
VCR-C
GND

POSTAL GND
SW INPUT

VCR
RELAY

POSTAL GND
SW INPUT

CHASSIS
GROUND

POWER
GATE
RELAY
DOOR
RELAY

1"

8 3/4"

1"

1 1/2"

Installation on Wall

Remove the Processor Unit from the Processor Containment Box and bolt the Processor Containment Box to the recess in the wall using the four mounting holes. Feed the power and phone lines through the knockout in the back of the box to make all wire connections.

3/4"

Wall

6 7/8"

8 1/4"

Knock Outs

Front View

16 7/16"

11 1/4"

Side View

3 1/4"

4 1/8"
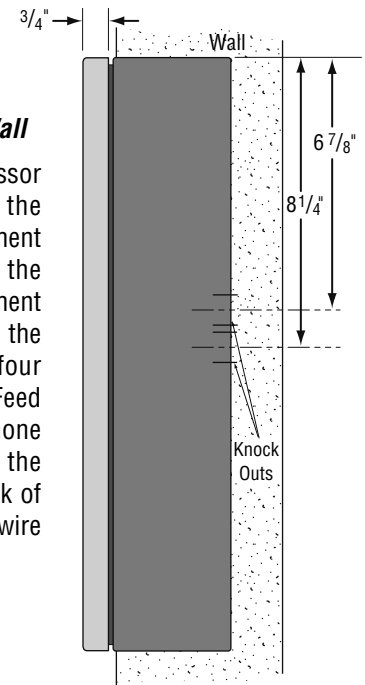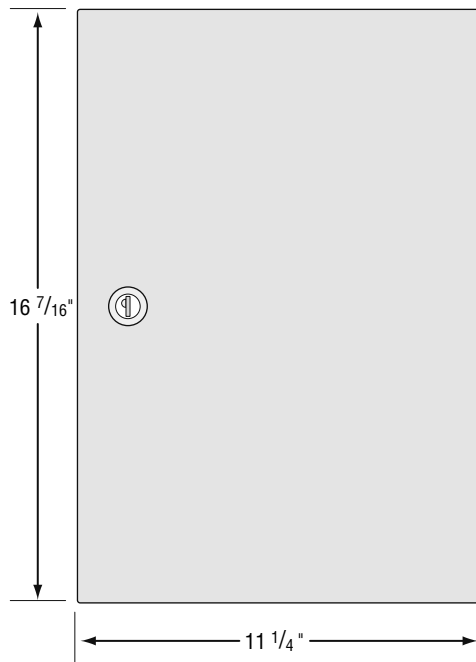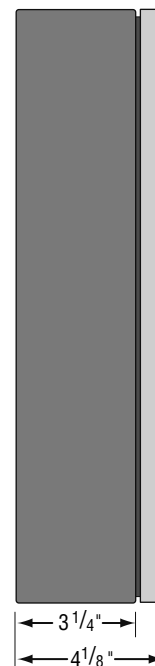
⚠ Be sure to read and follow all Chamberlain Elite instructions before installating and operating any Chamberlain Elite products. Chamberlain Elite Entry Phone is not responsible for improper installations or failure to comply with local building codes.

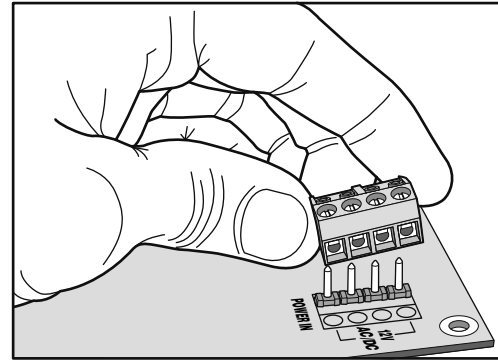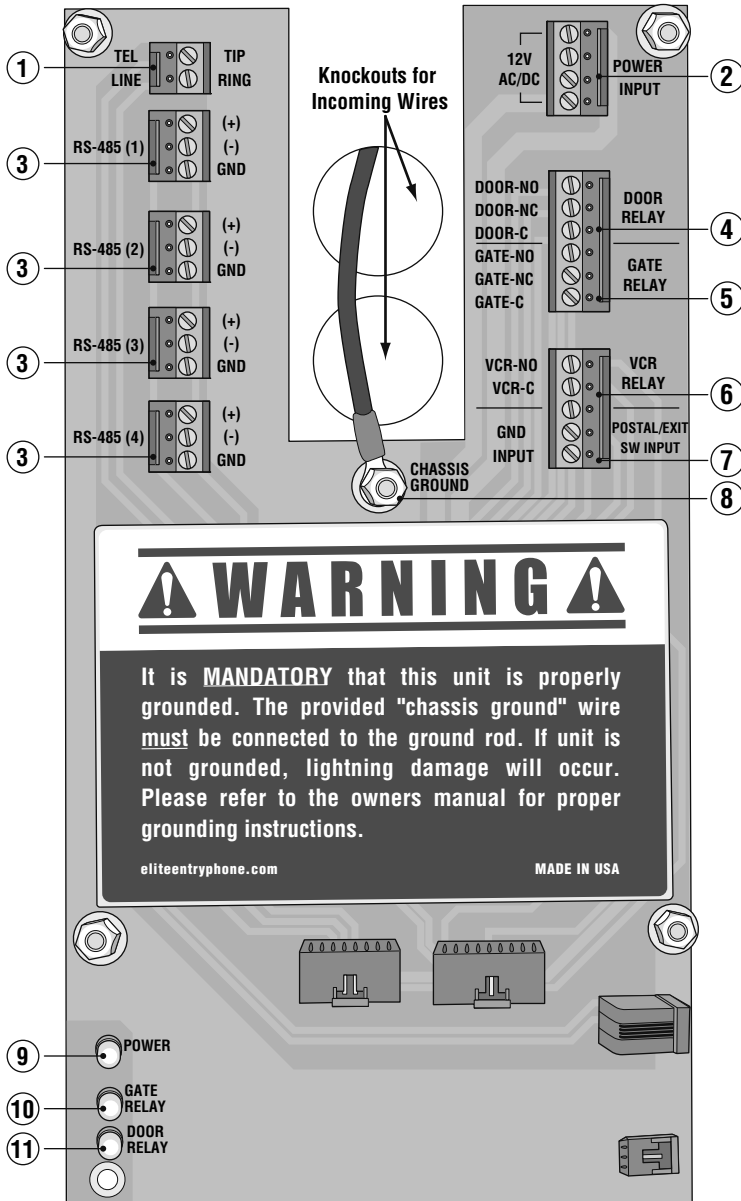All components and specifications are subject to change without notice.
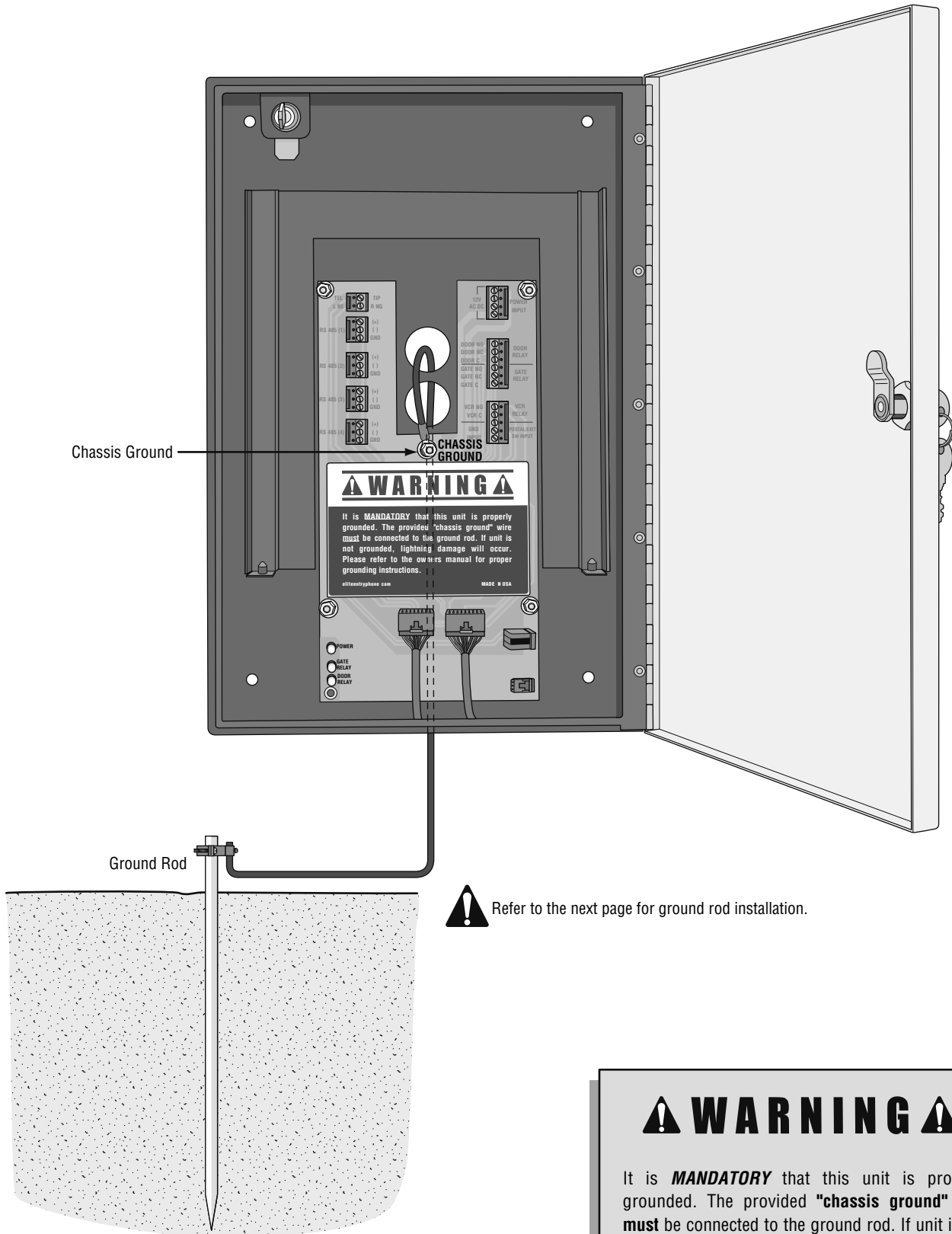
DESCRIPTION OF SURGE SUPPRESSION TERMINAL BOARD

Removable Screw Terminal Connectors for Easy Wiring.

1. **TELEPHONE LINE:** Tip and Ring Connection.

2. **POWER IN:** 12 VAC transformer input.

3. **RS 485:** Connect to corresponding RS485 terminals (-, +, GND) of remote security devices.

4. **DOOR RELAY:** For allowing access through pedestrian gate or door.

5. **GATE RELAY:** For use with gate operator to control access through main vehicular gate.

6. **VCR RELAY:** For use with Time Lapse VCR. Each time access is granted, the VCR Relay is activated for 5 seconds, allowing recording of all access to facility.

7. **POSTAL/EXIT SW INPUT:** For allowing postal lock access to pedestrian gate or door. Activates gate relay using gate strike time.

8. **CHASSIS GROUND:** Entry Phone *MUST* be properly grounded. Refer to *"Grounding the Unit"* and *" Earth Ground Rod Installation"* sections.

9. **POWER LED:** Indicates Entry Phone has 12 VAC power.

10. **GATE RELAY LED:** Indicates gate relay is activated.

11. **DOOR RELAY LED:** Indicates door relay is activated.

Diagram labels

TEL LINE — TIP RING
RS-485 (1) — (+) (-) GND
RS-485 (2) — (+) (-) GND
RS-485 (3) — (+) (-) GND
RS-485 (4) — (+) (-) GND
Knockouts for Incoming Wires
CHASSIS GROUND
12V AC/DC — POWER INPUT
DOOR-NO DOOR-NC DOOR-C GATE-NO GATE-NC GATE-C — DOOR RELAY / GATE RELAY
VCR-NO VCR-C — VCR RELAY
GND INPUT — POSTAL/EXIT SW INPUT
POWER
GATE RELAY
DOOR RELAY

⚠ WARNING ⚠

It is <u>MANDATORY</u> that this unit is properly grounded. The provided "chassis ground" wire <u>must</u> be connected to the ground rod. If unit is not grounded, lightning damage will occur. Please refer to the owners manual for proper grounding instructions.

eliteentryphone.com   MADE IN USA

NOTE: Telephone line used for Entry Phone system must be a dedicated line.

Chassis Ground

TEL
& WIRE

TIP
RING

12V
AC SC

POWER
INPUT

RS 485 (1)
(+)
(-)
GND

DOOR NO
DOOR NC
DOOR C
GATE NO
GATE NC
GATE C

DOOR
RELAY

GATE
RELAY

RS 485 (2)
(+)
(-)
GND

RS 485 (3)
(+)
(-)
GND

VCR NO
VCR C

VCR
RELAY

RS 485 (4)
(+)
(-)
GND

GND

POSTAL/EXIT
SW INPUT

CHASSIS
GROUND

⚠ WARNING ⚠

It is **MANDATORY** that this unit is properly grounded. The provided "chassis ground" wire **must** be connected to the ground rod. If unit is not grounded, lightning damage will occur. Please refer to the owners manual for proper grounding instructions.

eliteentryphone.com   MADE IN USA

POWER

GATE
RELAY

DOOR
RELAY

Ground Rod

⚠ Refer to the next page for ground rod installation.

⚠ WARNING ⚠

It is *MANDATORY* that this unit is properly grounded. The provided **"chassis ground"** wire **must** be connected to the ground rod. If unit is not grounded, lightning damage will occur.
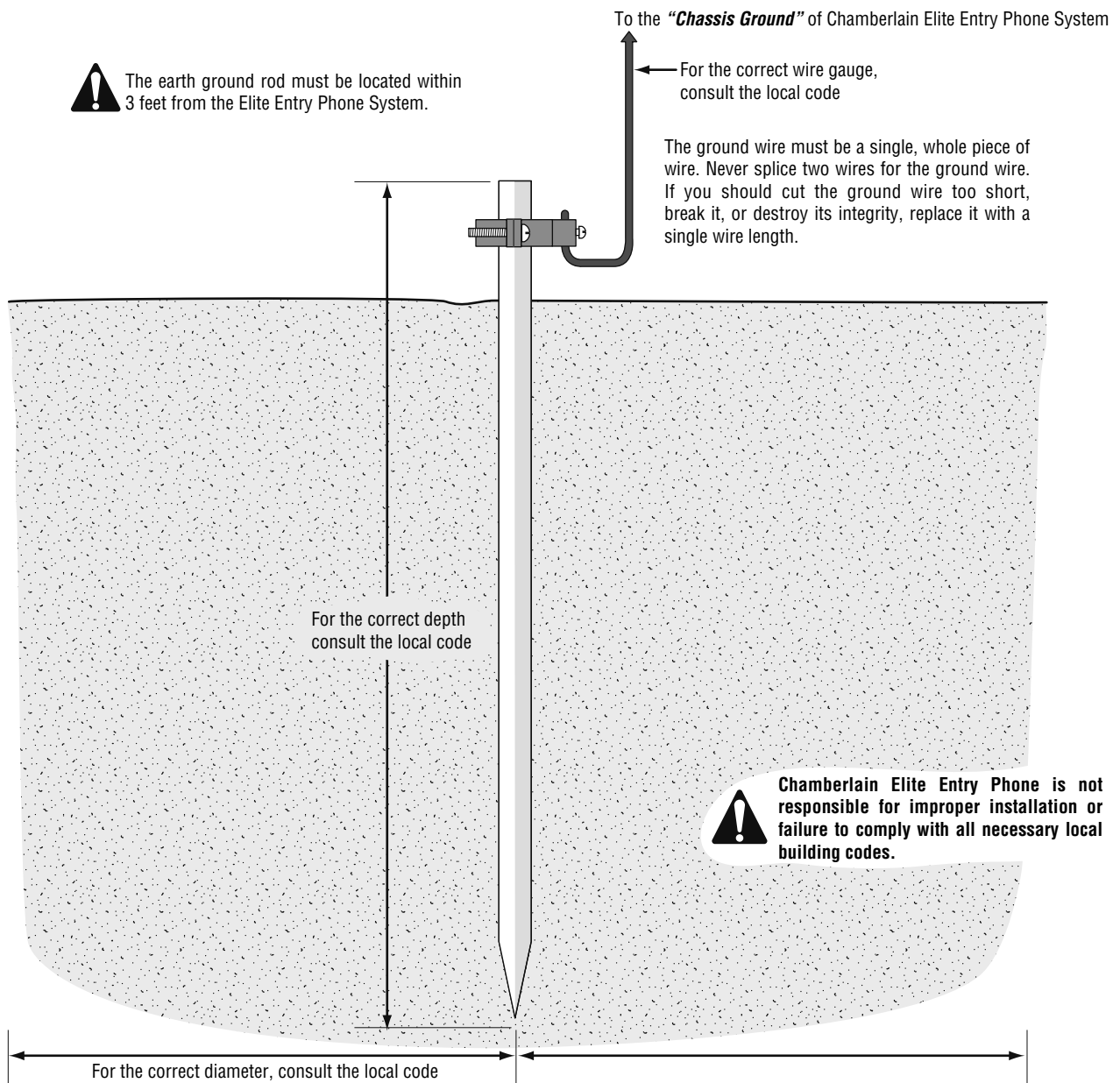
EARTH GROUND ROD INSTALLATION

Proper grounding gives an electrical charge, such as from an electrical static discharge or a near lightning strike, a path from which to dissipate its energy safely into the earth.

Without this path, the intense energy generated by lightning could be directed towards the Elite Entry Phone System. Although nothing can absorb the tremendous power of a direct lightning strike, proper grounding can protect the Entry Phone System in most cases.

The type and length of earth ground rods vary by region. Contact the building inspector's office in the municipality where you plan to install the unit for correct grounding materials and installation procedures.

Before digging, contact local underground utility locating companies.
*Avoid damaging gas, power, or other underground utility lines.*

To the *"Chassis Ground"* of Chamberlain Elite Entry Phone System

For the correct wire gauge, consult the local code

⚠ The earth ground rod must be located within 3 feet from the Elite Entry Phone System.

The ground wire must be a single, whole piece of wire. Never splice two wires for the ground wire. If you should cut the ground wire too short, break it, or destroy its integrity, replace it with a single wire length.

For the correct depth consult the local code

⚠ **Chamberlain Elite Entry Phone is not responsible for improper installation or failure to comply with all necessary local building codes.**

For the correct diameter, consult the local code

BASIC WIRING DIAGRAM

Telephone Line: *MUST* be a dedicated line for the phone system *ONLY!*
NOTE: Installation where fiber optic cables are present may require additional modifications from your telephone provider. Contact your provider for more information.
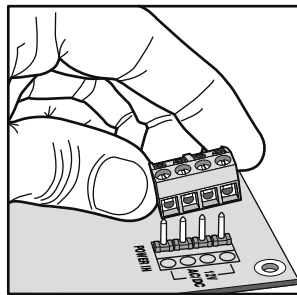
RING

TIP
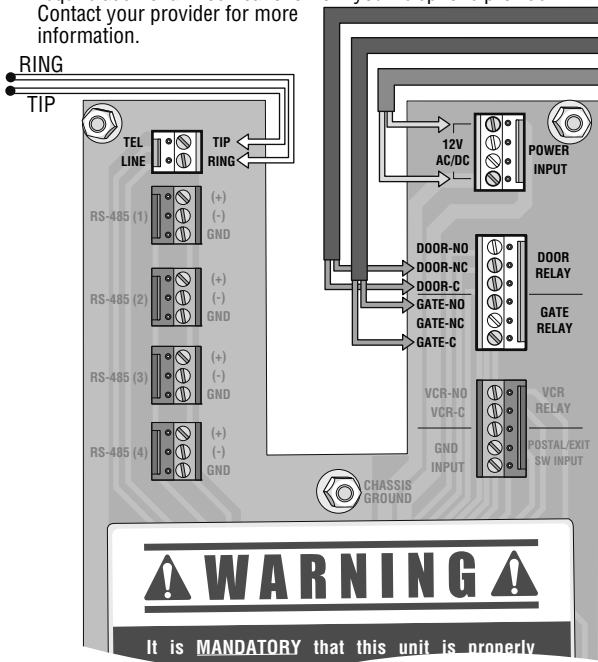
Use 18 AWG wire where possible

Polarity does not matter
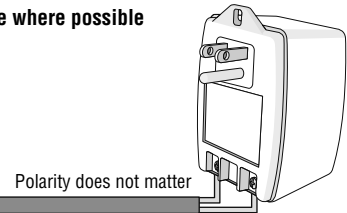
Processor Transformer
12 VAC (50VA) Provided

Wire Gauge	12 VAC (50 VA) Maximum Distance
24 AWG	85 Ft
22 AWG	140 Ft
20 AWG	225 Ft
18 AWG	350 Ft
16 AWG	560 Ft

TEL LINE — TIP / RING

RS-485 (1) (+) (-) GND
RS-485 (2) (+) (-) GND
RS-485 (3) (+) (-) GND
RS-485 (4) (+) (-) GND

12V AC/DC — POWER INPUT

DOOR-NO
DOOR-NC
DOOR-C — DOOR RELAY
GATE-NO
GATE-NC — GATE RELAY
GATE-C

VCR-NO
VCR-C — VCR RELAY

GND INPUT — POSTAL/EXIT SW INPUT

CHASSIS GROUND

⚠ WARNING ⚠

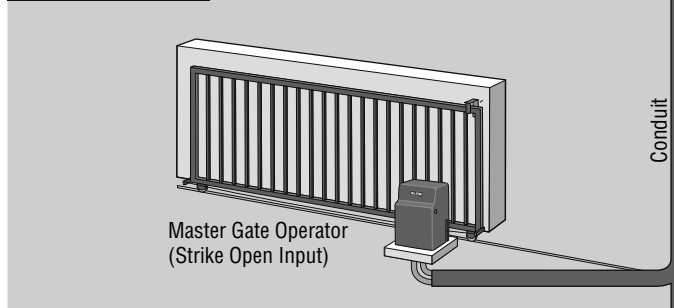It is **MANDATORY** that this unit is properly

Removable Screw Terminal Connectors for Easy Wiring.

Entry 1 Gate Relay Terminal Connection
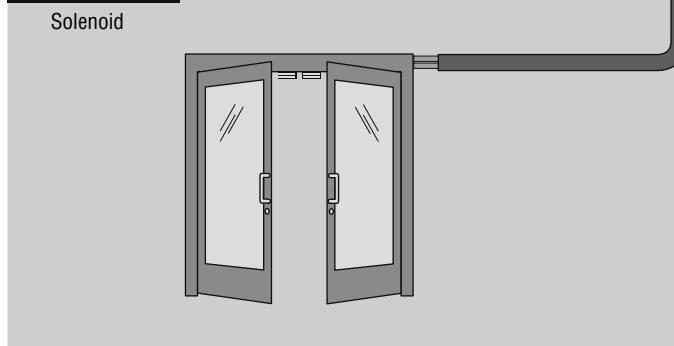
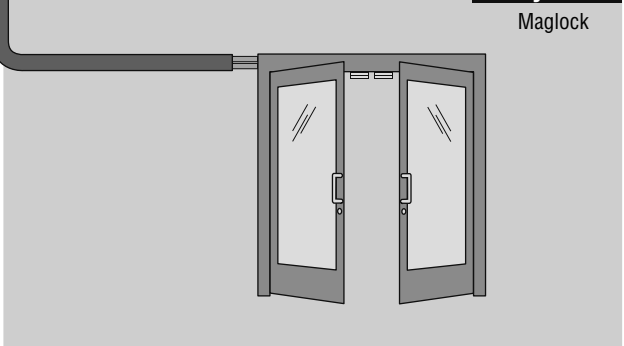*Entry 2* Door Relay Terminal Connection

Vehicular Gate

Pedestrian Gate

Maglock

Conduit

Conduit

Master Gate Operator (Strike Open Input)

OR

OR
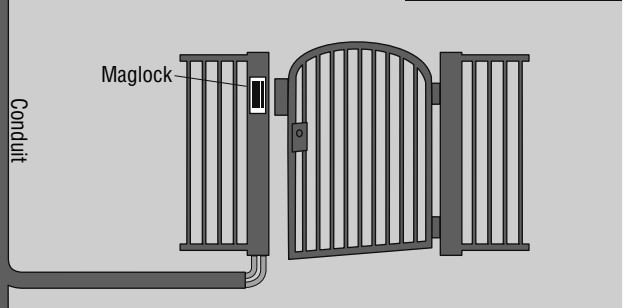
Access Door
Solenoid

Entry Door
Maglock

Connect two wires to the *main* vehicular gate operator or door. The gate relay will be activated by either *Gate* 7-day timer or ElitePro remote programming software.

Connect two wires to the *secondary* gate or door. The door relay will be activated by either *Door* 7-day timer or ElitePro remote programming software.

RS-485 MULTIPLE CONNECTION CONFIGURATIONS

Configuration #1   *"Daisy Chain"* wiring configuration

(Recommended method for superior data transmission)

- Up to *31* RS-485 devices supported
- Maximum distance from the last RS-485 device to the Entry Phone is 4000 Ft.
- Turn *"ON"* the terminator switch *ONLY* for the last device installed in the RS-485 line.
- Use 22 AWG twisted pair shielded wire
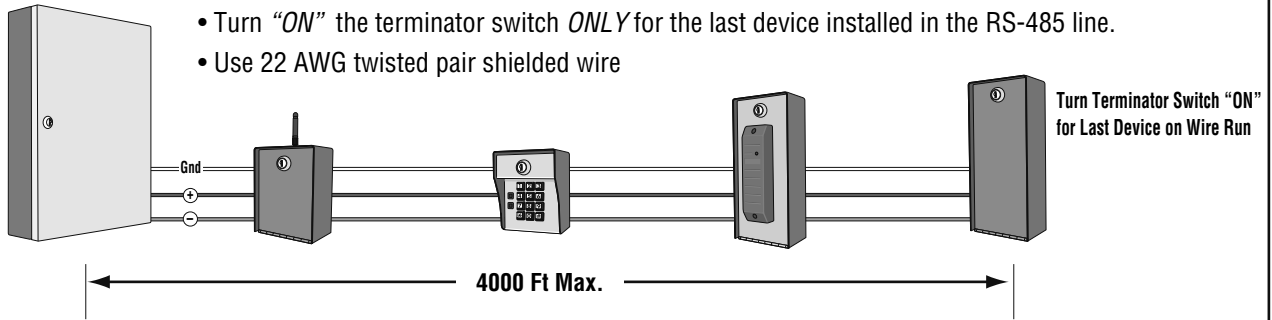
Turn Terminator Switch "ON"
for Last Device on Wire Run
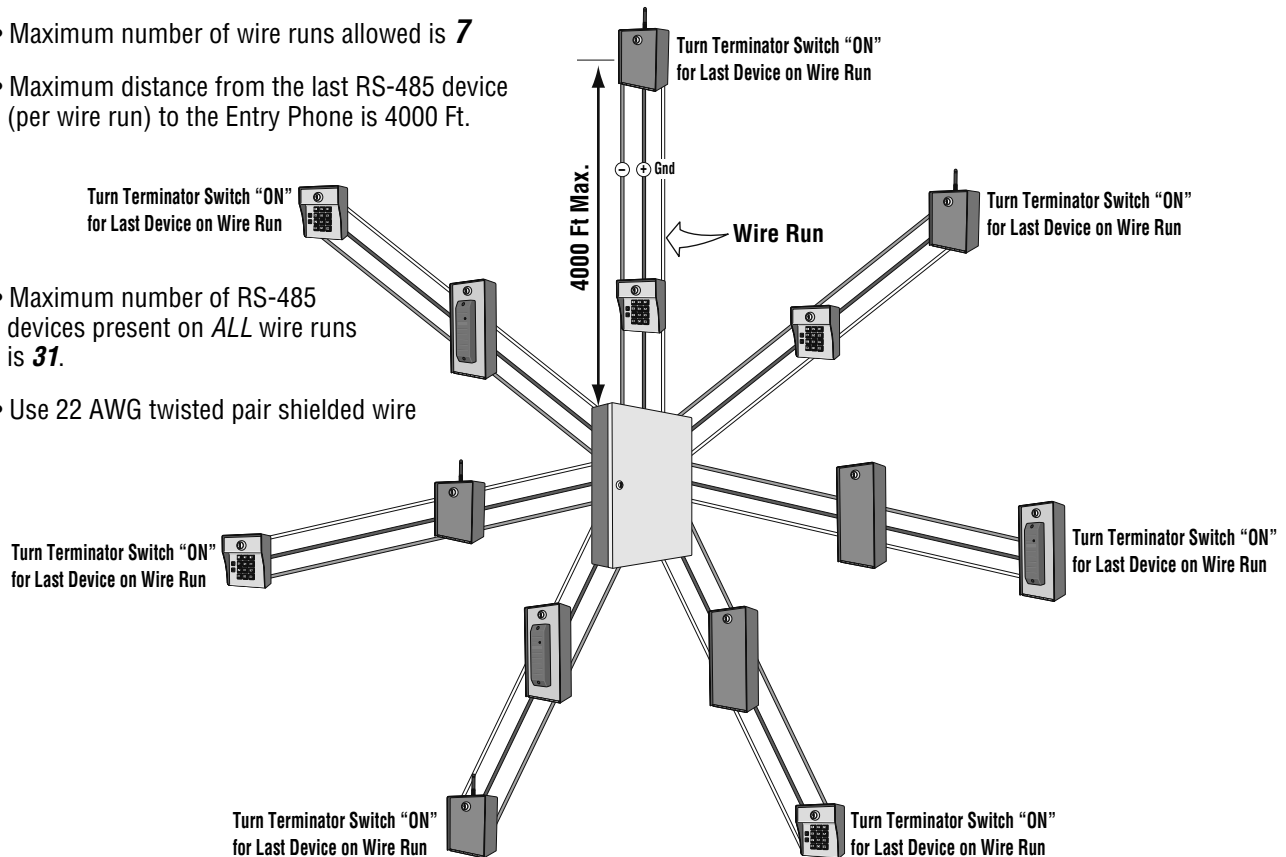
Gnd
+
–

◄—————— 4000 Ft Max. ——————►

Each RS-485 device must have a unique "Device ID Number" set by using the rotary switches on the device. (Refer to specific RS-485 Instruction sheets).

Configuration #2   *"Star"* wiring configuration

- Maximum number of wire runs allowed is *7*

- Maximum distance from the last RS-485 device (per wire run) to the Entry Phone is 4000 Ft.

Turn Terminator Switch "ON"
for Last Device on Wire Run

- Maximum number of RS-485 devices present on *ALL* wire runs is *31*.

- Use 22 AWG twisted pair shielded wire

Turn Terminator Switch "ON"
for Last Device on Wire Run

– + Gnd

4000 Ft Max.

Wire Run

Turn Terminator Switch "ON"
for Last Device on Wire Run

Turn Terminator Switch "ON"
for Last Device on Wire Run

Turn Terminator Switch "ON"
for Last Device on Wire Run

Turn Terminator Switch "ON"
for Last Device on Wire Run

Turn Terminator Switch "ON"
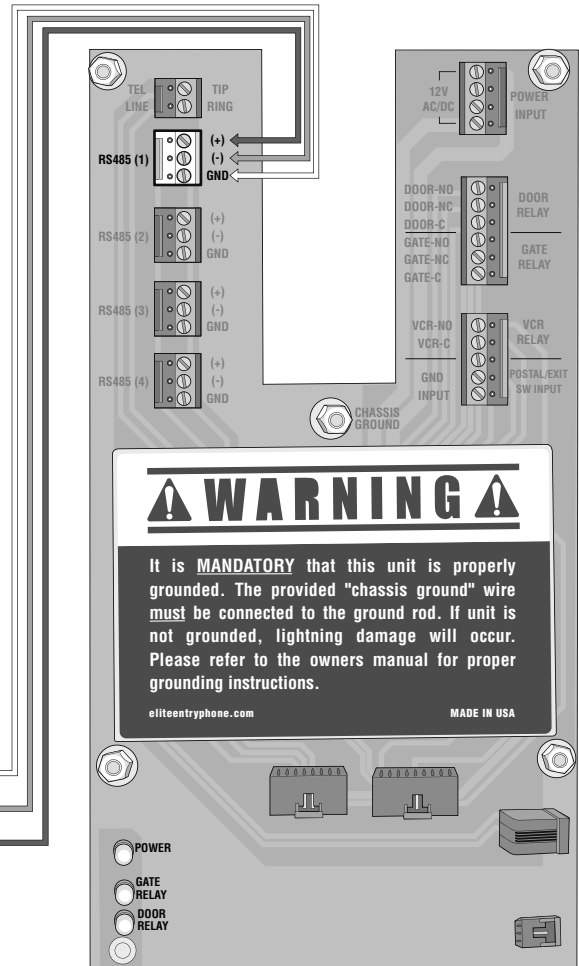**for Last Device on Wire Run**

Each RS-485 device must have a unique "Device ID Number" set by using the rotary switches on the device. (Refer to specific RS-485 Instruction sheets).

RS-485 DAISY CHAIN CONNECTION EXAMPLE

"Preferred Method"

Remote Access RS-485
COMMUNICATOR CARD

capacity

Elite Entry Phone

Main Memory Card Slot

RS485 Memory Card Slot

RS485 Card Release Button

NOTE: To support RS485 devices you must insert the RF communicator card in the RS485 memory card slot *BEFORE* turning on the processor.

TEL LINE — TIP RING
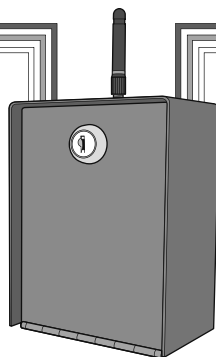
RS485 (1) — (+) (-) GND

RS485 (2) — (+) (-) GND

RS485 (3) — (+) (-) GND

RS485 (4) — (+) (-) GND

12V AC/DC — POWER INPUT

DOOR-NO
DOOR-NC
DOOR-C
GATE-NO
GATE-NC
GATE-C — DOOR RELAY / GATE RELAY

VCR-NO
VCR-C — VCR RELAY

GND INPUT — POSTAL/EXIT SW INPUT

CHASSIS GROUND

⚠ WARNING ⚠

It is **MANDATORY** that this unit is properly grounded. The provided "chassis ground" wire **must** be connected to the ground rod. If unit is not grounded, lightning damage will occur. Please refer to the owners manual for proper grounding instructions.

eliteentryphone.com   MADE IN USA

POWER

GATE RELAY

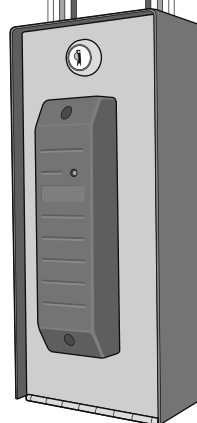DOOR RELAY

Ground

(-)

(+)

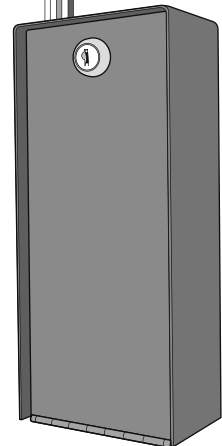⚠ Use 22 AWG Twisted Pair Shielded Wire

**Keypad
RS485 Remote
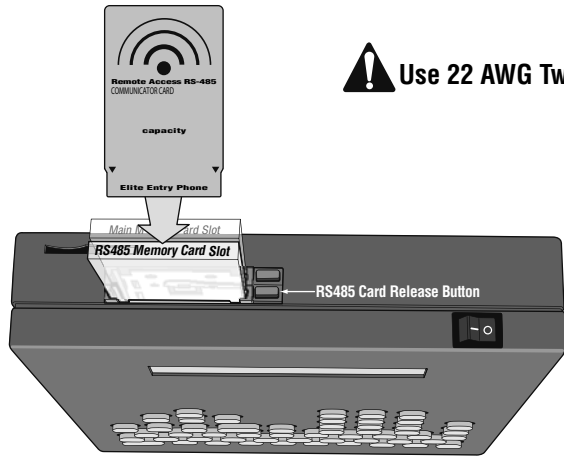Device 1**

**Stand-Alone Receiver
RS485 Remote
Device 2**
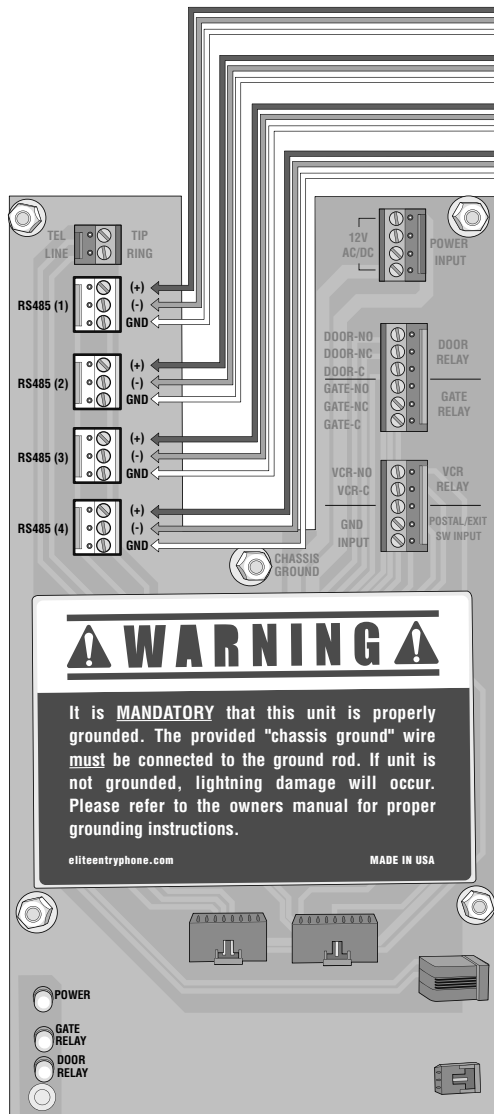
**Card Reader
RS485 Remote
Device 3**

**Universal Interface Board
RS485 Remote
Last Device**

RS-485 STAR CONNECTION EXAMPLE

Remote Access RS-485 COMMUNICATOR CARD

capacity

Elite Entry Phone

Main Input Card Slot

RS485 Memory Card Slot

RS485 Card Release Button

⚠ **Use 22 AWG Twisted Pair Shielded Wire**

Keypad
RS485 Remote
Device 1

(+)
(-)
Ground

Stand-Alone Receiver
RS485 Remote
Device 2

(+)
(-)
Ground

NOTE: To support RS485 devices you must insert the RF communicator card in the RS485 memory card slot *BEFORE* turning on the processor.

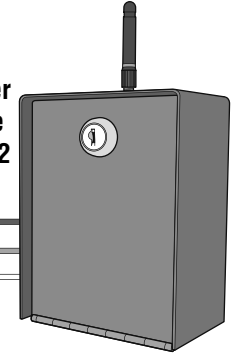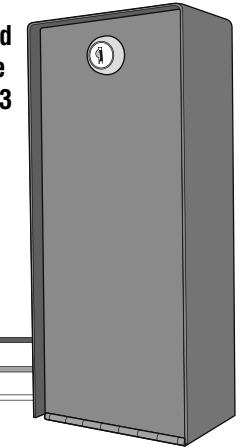**Universal Interface Board**
RS485 Remote
Device 3

TEL LINE | TIP RING

12V AC/DC | POWER INPUT

RS485 (1) (+) (-) GND

RS485 (2) (+) (-) GND

DOOR-NO
DOOR-NC
DOOR-C
GATE-NO
GATE-NC
GATE-C

DOOR RELAY

GATE RELAY

RS485 (3) (+) (-) GND

RS485 (4) (+) (-) GND

VCR-NO
VCR-C

GND INPUT

VCR RELAY

POSTAL/EXIT SW INPUT

CHASSIS GROUND

(+)
(-)
Ground

⚠ WARNING ⚠

It is <u>MANDATORY</u> that this unit is properly grounded. The provided "chassis ground" wire <u>must</u> be connected to the ground rod. If unit is not grounded, lightning damage will occur. Please refer to the owners manual for proper grounding instructions.

eliteentryphone.com   MADE IN USA

POWER

GATE RELAY

DOOR RELAY

Card Reader
RS485 Remote
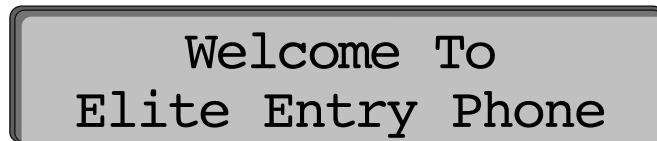**Device 4**

(+)
(-)
Ground

MEMORY CARD INSTALLATION

A. Turn power on and insert Memory Card into Main Memory Card Slot (fig a.) Push it all the way in until card "snaps" into place and the card release button pops up. The screen should display the "Welcome Screen" (fig b.)
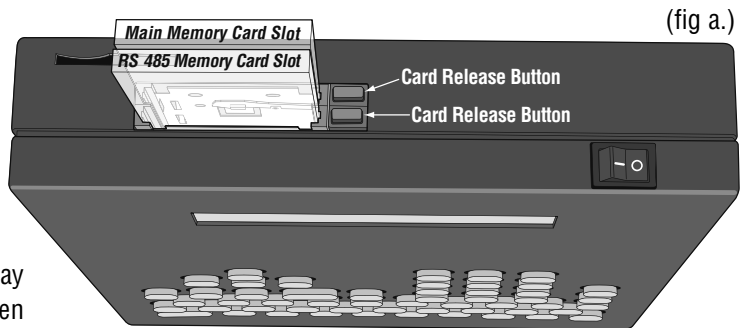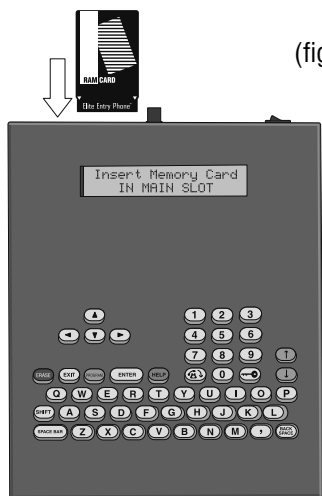
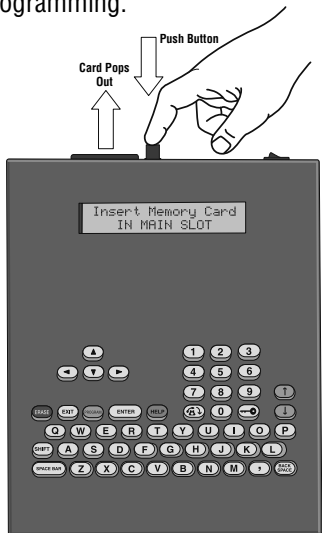**B**. If the screen continues to display the "Insert Memory Card" screen (fig c.) then eject memory card by pressing the corresponding card release button down and reinsert memory card into main memory card slot (fig d.). Otherwise continue with programming.

(fig a.)

Main Memory Card Slot
RS 485 Memory Card Slot
Card Release Button
Card Release Button

Push Button
Card Pops Out

Insert Memory Card
IN MAIN SLOT

(fig d.)

RAM CARD
Elite Entry Phone

Insert Memory Card
IN MAIN SLOT

```
Welcome To
Elite Entry Phone
```
(fig b.)

```
Insert Memory Card
IN MAIN SLOT
```
(fig c.)

VIEWING THE SOFTWARE VERSION

A. To view the memory capacity of the system or to view the software version currently running on the system in operation an information screen is accessible on all Dial Code systems for easy reference. Turn power off and insert memory card in main memory card slot. Turn power on and the information screen should display as seen in (fig e.)

MEMORY CAPACITY
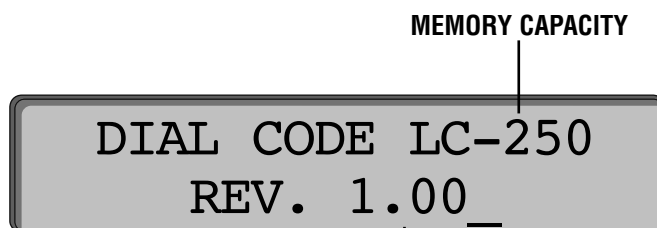
```
DIAL CODE LC-250
REV. 1.00_
```
(fig e.)

SOFTWARE VERSION NUMBER
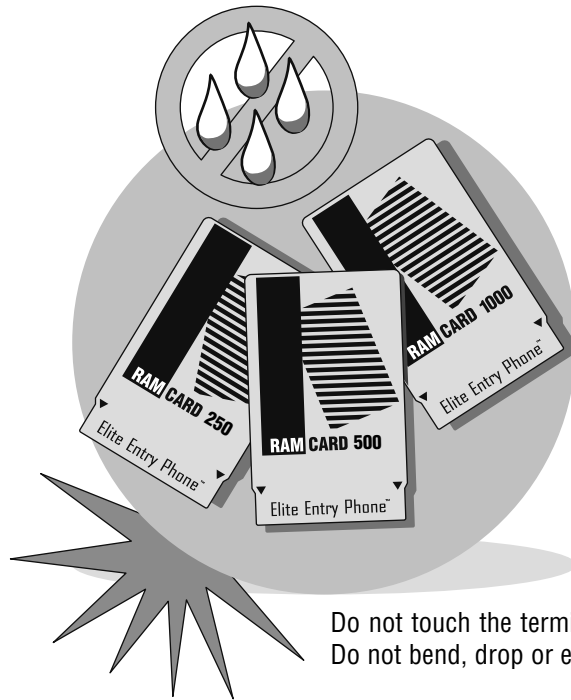
Do not touch the terminals on the RAM Cards. Do not bend, drop or expose to impact.

The Entry Phone is only water resistant when the Stainless Steel Door is closed and locked. Do not expose the Processor Unit or the open Processor Containment Box to rain, snow, or harsh weather conditions. Do not drop the Processor or expose it to impact.

PROGRAMMING THE PROCESSOR

ENTERING THE PROGRAM MODE

When the Processor unit is turned on and the (PROGRAM) button is pressed, the screen will display:

```
TO ENTER PROG MODE,
Type Password >____
```

Type in the factory present password (**7777**). Press (ENTER). The Program Selection Screen will display:

```
SELECT PROG MODE: ↓
(N)Names (U)Utility
```

If you enter the wrong password, the screen will prompt you to try again:

```
   INVALID PASSWORD
(R)Retry (EXIT)Quit
```

Press (R) to retry entering your password. Press (EXIT) to quit the programming menu.

Pressing the (HELP) button will provide users with a help message.

SELECTING A PROGRAM MODE

LIST OF PROGRAM MODES:

1	Names	N	Program Names or Transmitter/Card Reader	Page 18-19
2	Utility	U	Program or edit Utility Codes	Page 20
3	Password*	P	Program New Password (recommended)	Page 21
4	Clock/Timer	C	Program System Clock and Seven Day Timers	Page 22-24
5	Strike Time	S	Program relay Output Time (for 2 relays)	Page 25

*We recommend you customize your password to avoid unauthorized programming (page 21)
To select a Program Mode, press the corresponding letter from one of the nine options.

Use the (↑) (↓) keys to scroll through the five different Program Modes.

```
SELECT PROG MODE:↵
(N)Names (U)Utility
```
```
SELECT PROG MODE:↵↑
    (C)Clock/Timer
```
```
SELECT PROG MODE:↵↑
    (P)Password
```
```
SELECT PROG MODE:↵↑
    (S)Strike Time
```

Pressing the ( HELP ) button will provide users with a help message.

IMPORTANT NOTE: While in the help screens, programming will be disabled.

To continue programming, press the ( EXIT ) button to exit the help screens first.

# RESIDENT INFORMATION

STEP **1**  In the Program Selection Screen (fig a.), Press the ( N ) key.  The screen will display (fig b.):

```
SELECT PROG MODE:⌖
(N)Names (U)Utility
```
(fig a.)

```
PROG A NEW NAME ⇢ N
PROG BY CODE:___ ⬧⌖
```
(fig b.)
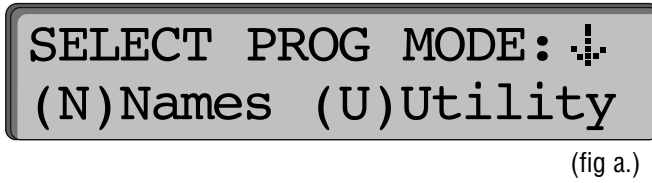
STEP **2**  You now have three options:

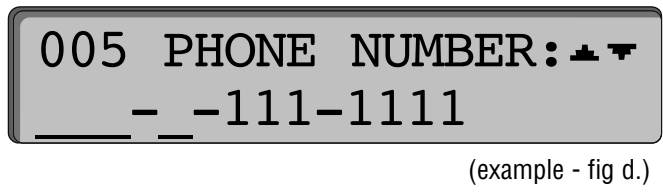| To program by name, press the ( N ) key and the first empty code will display. | **OR** | To program by code, enter a three digit code* and press the ( ENTER ) key. | **OR** | To view or edit an existing name or code, use the ( ↑ ) ( ↓ ) keys to scroll through Directory. |
|---|---|---|---|---|

\* The unit will only accept codes within it's range - depending on memory capacity.

STEP **3**  Type in the desired Resident name, LAST name first, followed by the first name (fig c.). If the code you have selected is already used, there will be a name already. You can edit the name by simply typing over it. Press the ( ENTER ) key to complete the entry. You may also use the ◄ ▲▼ ► keys to move the cursor within a code.

Resident code

```
005 LastNAME,First ▾
Jones, Robert_
```
Resident name
(example - fig c.)

```
005 PHONE NUMBER:▴▾
___-_-111-1111
```
(example - fig d.)

STEP **4**  Type in any seven numbers to fill the phone number field (fig d.). This field is not used but **_must_** be completed. Press the ( ENTER ) key to complete the entry. The Key Code screen will be displayed.

STEP **5**  An individual six digit Resident Key code may be assigned to each resident . Tenants can use their Key Code to access the premises.

```
005 KEY CODE: ▴
005123
```
(example - fig e.)
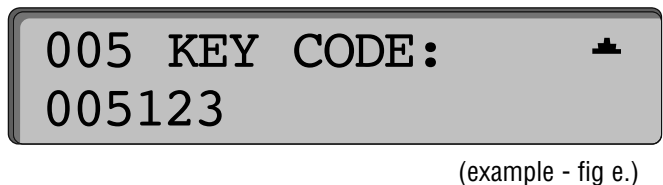
Assignment of Resident Key Codes are optional. The first three digits of the Key Code is the assigned Directory Code. Assign the last three digits (numeric characters only) to create an individual Key Code. If using the RF Card, proceed to Step 6 (fig e). Press the ( ENTER ) key.

**STEP 6** To complete entry, press the (EXIT) key to return to the program selection screen.

To program RF devices ( i.e. transmitters/cards etc.) continue on to Step 7.

**NOTE: To enable the transmitter/card programming feature, you must insert the communicator card in the "RS-485 memory card slot" slot before you turn on unit.** (refer to "Memory Card Installation" section)
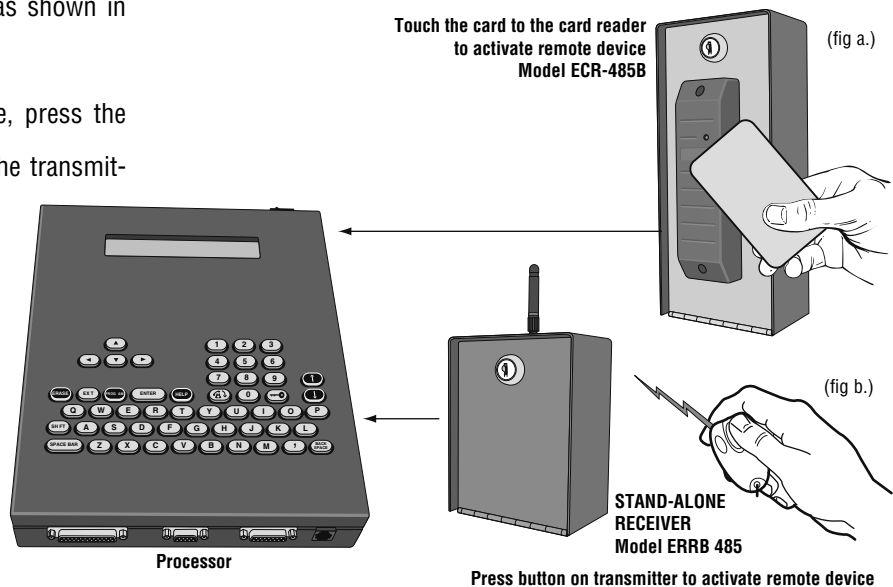
**STEP 7** Use (▼) (▲) keys to view and program up to 10 transmitter or card codes associated to the directory code.
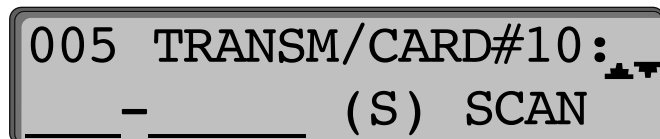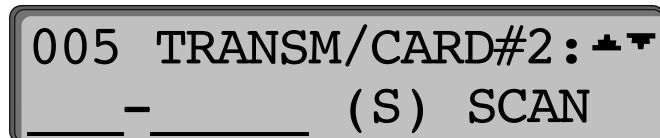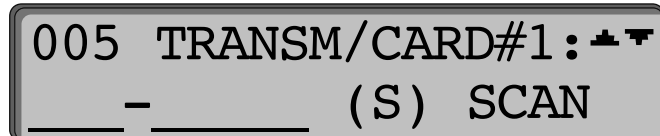
To program a transmitter or card code you may enter the code manually using the keypad or you may scan the transmitter/card code.

```
005  TRANSM/CARD#1:▲▼
___-_____   (S) SCAN
```

```
005  TRANSM/CARD#2:▲▼
___-_____   (S) SCAN
```
:
```
005  TRANSM/CARD#10:▲▼
___-_____   (S) SCAN
```

STEP 8 To scan a card code, press the (S) key and activate the card as shown in fig a.

To scan a transmitter code, press the (S) key and activate the transmitter as shown in fig b.

Touch the card to the card reader to activate remote device
Model ECR-485B

(fig a.)

Processor

(fig b.)

STAND-ALONE RECEIVER Model ERRB 485

Press button on transmitter to activate remote device

STEP 9 Repeat steps 7 and 8 for up to ten devices per directory code. After the last device has been programmed, press (EXIT) or (ENTER) key to return to the program selection screen.

NOTE: The time zones and restrictions associated with transmitter/card codes can only be programmed remotely using the EMS modem software. Unassigned transmitter/card codes can only be programmed remotely using the EMS modem software.

UTILITY CODES

A 4-digit Utility Code (numeric characters only) may be assigned to "Utility Companies" such as delivery, telephone, construction companies, water, power, etc. These utilities can use their individual code to access the premises within the time zone that you program. Each system, no matter what the memory capacity, is equipped with 60 available Utility Codes and time zones.

STEP **1** In the Program Selection Screen (fig a.), Press the (U) key. The screen will display (fig b.):

```
SELECT PROG MODE:⊹
(N)Names (U)Utility
```
(fig a.)

```
PROG UTILITY CODE>  N
View/Edit Codes  >⊹⊹
```
(fig b.)

STEP **2** You now have two options:

To program a new Utility Code, press the (N) key and type in a 4 digit code. If the code entered is used, type in another.

OR

Use the (↑) (↓) keys to view or edit existing Codes. The last screen will display memory spaces available. Select a code that you wish to edit.

STEP **3** Press the (▼) key or the (ENTER) key to enter code. Type the name of the utility in the screen that follows and press the (▼) key or (ENTER) (fig c.).

```
UTILITY CODE:4762  ▼
NAME:FedEx
```
(example - fig c.)

STEP **4** Enter the desired time zone in the screen that follows (fig d.) Setting both times the same allows 24 hour access. Use the (◄)(▲)(▼)(►) keys to move the cursor. To view the previous screen, use the (▲) key. Press the (ENTER) key to complete your transaction.

```
4762 TimeZone     ⊥
09:00AM To  05:00PM
```
(example - fig d.)

For "User Mode" operation, refer to the "Resident Use" section.

NOTE: Additional features such as day-of-week restriction, one time use, and expiration date are only available using the EMS modem software.

To erase "Utility" information, press the (ERASE) key. Press the (HELP) key for assistance.

IMPORTANT NOTE: While in the help screens, programming will be disabled.

To continue programming, press the (EXIT) button to exit the help screens first.

CHANGING THE PASSWORD

The factory default password is 7777. We suggest that you customize it for security purposes.

In the Program Selection Screen (fig a.), press the (P) key.

```
SELECT PROG MODE:
     (P)Password
```
(fig a.)

To customize a password, type in a four character password (it may be alpha or numeric characters). Press the (ENTER) key to enter the new password. It will be displayed by asterisk (*) for security (fig b.) (To leave the password unchanged, press the (EXIT) key.)

```
NEW PASSWORD:
    ****
```
(fig b.)

A confirmation screen will appear (fig c.). Type in the same password and press the (ENTER) key. If you enter a different password, the password will not be confirmed and you will have to repeat the transaction.

```
RE-ENTER PASSWORD:
    ****
```
(fig c.)

Always remember your password! This password is required to enter the Program Mode. If you lose your password, you will need to contact the manufacturer to reissue a new password.

Pressing the (HELP) button will provide users with a help message.

IMPORTANT NOTE: While in the help screens, programming will be disabled.

To continue programming, press the (EXIT) button to exit the help screens first.

CLOCK/TIMER

The Clock/Timer allows you to set the date and time, and to program gates and doors to be opened or closed whenever specified. This clock is equipped with a calender, auto leap year compensation and daylight savings.

In the Program Selection Screen (fig a.), Press the (C) key.

```
SELECT PROG MODE:⬇⬆
    (C)Clock/Timer
```
(fig a.)

Use the (↑) (↓) keys to scroll between the three different menu choices (fig b.). Select the number of your choice or press the (ENTER) key while on the selection of your choice.

```
PROG CLOCK/TIMER  ⬇
    (1)Date & Time
```

```
PROG CLOCK/TIMER ⬇⬆
    (2)Gate Timer
```

CAUTION: Make sure to set the date and Time before programming the clock timers for the door and gate.

```
PROG CLOCK/TIMER   ⬆
    (3)Door Timer
```
(fig b.)

1. DATE AND TIME

Use the (1) key to set the date and time, use the ◀▲▶▼ keys to move the cursor. Press the (ENTER) key to enter your input.(fig c.)

```
DATE>02-11-2000    ⬇
Time>07:31am p=pm
```
(fig c.)

Use the (↑) (↓) keys to select the current day of the week. Press the (ENTER) key to enter your input. (fig d.)

```
Today Is THURSDAY ⬇⬏
Use ⬇⬆To Select Day
```
(fig d.)

Select daylight savings by pressing (Y) for **yes** or (N) for **no**. The (ENTER) key will complete the date and time entry. (fig e.)

```
Daylight Savings>y ⬏
(Y)Yes   (N)No
```
(fig e.)

2./ 3. DOOR AND GATE TIMERS

Press (2) to program Gate Timers Menu.   Press (3) to program the Door Timers Menu.

```
Setup New Timers> N
View/Edit Timers> ⬇⬆
```
◄─────── *See next page for instructions*

Use (↑) (↓) **to View / Program**

Individual Time Zones

Use (↑) (↓) to view and program timer(s) for Sunday through Saturday. Move the cursor ◄▲▼► to time and type in the setting. Two timers can be set for each day of the week following the procedure below. (fig a.)

```
SUN G Tmr1: OFF N=on ▼
12:00am -> 12:00pm ⬇⬆
```
```
MON G Tmr1: ON F=off ▼
08:00am -> 04:30pm ⬇⬆
```
⋮
```
SAT G Tmr1: ON F=off ▼
07:00am -> 05:00pm ⬇⬆
```

(fig a.)

Program timers 1 & 2 for any day of the week (fig b. & c.)

Press (N) to turn timer 1 ON or press (F) to turn timer 1 OFF. Press the (ENTER) key. Type the desired timer 1 setting. For **am** type (A) for **pm** type (P). Press (ENTER) to program the timer 2.

```
SUN G Tmr1: ON F=off ▼
07:00am -> 05:00pm ⬇⬆
```

(fig b.)

```
SUN G Tmr2: ON F=off ▼
07:00pm -> 10:00pm ⬇⬆
```

(fig c.)

To program the second timer, repeat the above procedure. Press the (ENTER) **key when complete.**

To exit "Timers" screen, press the (EXIT) **key. Press the** (HELP) **key for assistance.**

IMPORTANT NOTE: While in the help screens, programming will be disabled.

To continue programming, press the (EXIT) **button to exit the help screens first.**

2./ 3. DOOR AND GATE TIMERS, continued'

Press (2) to program Gate Timer Menu Press (3) to program the Door Timers Menu

```
Setup New Timers> N
View/Edit Timers> ↓↑
```

**Press (N) to Program
sets of time zones**

See previous page for instructions

Program timers 1 & 2 for any day of the week (fig d.)

Press (N) to turn timer 1 ON or press (F) to turn timer 1 OFF. Press the (ENTER) key. Type the desired timer 1 setting. For **am** type (A) For **pm** type (P) Press (ENTER) to program the timer 2.

```
GATE Tmr1: ON F=off ▾
  __:__am -> __:__pm
```
(fig d.)

To program the second timer, repeat the above procedure. Press the (ENTER) key when complete.

```
GATE Tmr2: ON F=off ▾
  __:__am -> __:__pm
```

Timer 1 & 2 settings can be copied to any individual day(s) of the week. Select the day(s) of the week to be copied. Press (Y) to select day or press (N) to not select day of week. Press (ENTER) when complete. (fig e.)

```
COPY Timers1,2 To ▾▴
Workdays(y)  Sun(n)
```

```
COPY Timers1,2 To ▾▴
Mon(n)  Tue(n)  Wed(n)
```

```
COPY Timers1,2 To  ▴
Thr(n)  Fri(n)  Sat(n)
```
(fig e.)

To exit "Timers" screen, press the (EXIT) key. Press the (HELP) key for assistance.

**IMPORTANT NOTE: While in the help screens, programming will be disabled.
To continue programming, press the (EXIT) button to exit the help screens first.**

STRIKE TIME

Strike Time sets the amount of time your gate or door relay will be held open.

In the Program Selection Screen (fig a.), Press the (S) key.

```
SELECT PROG MODE: ↓ ↑
    (S)Strike Time
```
(fig a.)

The strike time can be individually set for both gates and doors (fig b.)

```
Door Strike Time > D
Gate Strike Time > G
```
(fig b.)

Press the (D) key to set the Door Strike Time. Type in a time from 1 to 99 seconds (fig c.). Press the (ENTER) key to enter your selection.

Press the (G) key to set the Gate Strike Time. Type in a time from 1 to 12 seconds (fig d.). Press the (ENTER) key to enter your selection.

```
DOOR STRIKE TIME:  ▼
[01-99] 10 Seconds
```
(fig c.)

```
GATE STRIKE TIME:  ▼
[01-12] 05 Seconds
```
(fig d.)

```
DOOR NAME/LOCATION ▲
South Entry Door
```
(fig e.)

```
GATE NAME/LOCATION ▲
North Side Gate
```
(fig f.)

For either the Gate or Door Strike TIme, you may now type in a descriptive name and location (up to 13 characters) to which you want the programmed strike time applied. (fig e.) and (fig f.) Press the (ENTER) key to complete the transaction.

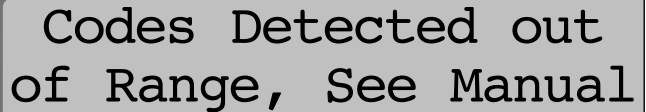## ALTERNATING OPERATING SCREENS

```
    Welcome To
Elite Entry Phone
```

```
  Use ↓ ↑ Keys
To View Directory
```

When operating, the Elite Phone System will alternate between the "Welcome" screen and the "View Directory" screen.

ERROR MESSAGES

OUT OF RANGE CODES: If the processor detects one or more 3-digit codes present on the memory card inserted that cannot be accessed, an error message is displayed. (fig a.) Codes that cannot be accessed by the limitation of the system being used cannot be edited.

```
Codes Detected out
of Range, See Manual
```
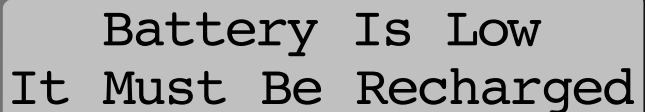(fig a.)

LOW BATTERY If the battery backup is reaching it's minimal charge level, a battery icon with a "B" next to it will display in the top right corner of the display. (fig b.) An alert beep will accompany this icon. The batteries must be charged to continue.*

If the battery backup level reaches it's minimal charge, an error message will display (fig c.) and the system will become non-functional until the battery backup is charged by using the plug in transformer.*

```
     Welcome To [+-]  B
Elite Entry Phone
```
(fig b.)

```
    Battery Is Low
It Must Be Recharged
```
(fig c.)

LOW BATTERY ICONS: If a battery icon appears in the top right corner of the display and the letter next to it is an "M" or a "C", as shown in figures d. and e., contact Manufacturer for instructions.

949-580-1700

```
    Welcome To [+-]  C
Elite Entry Phone
```
(fig d.)

```
     Welcome To [+-]  M
Elite Entry Phone
```
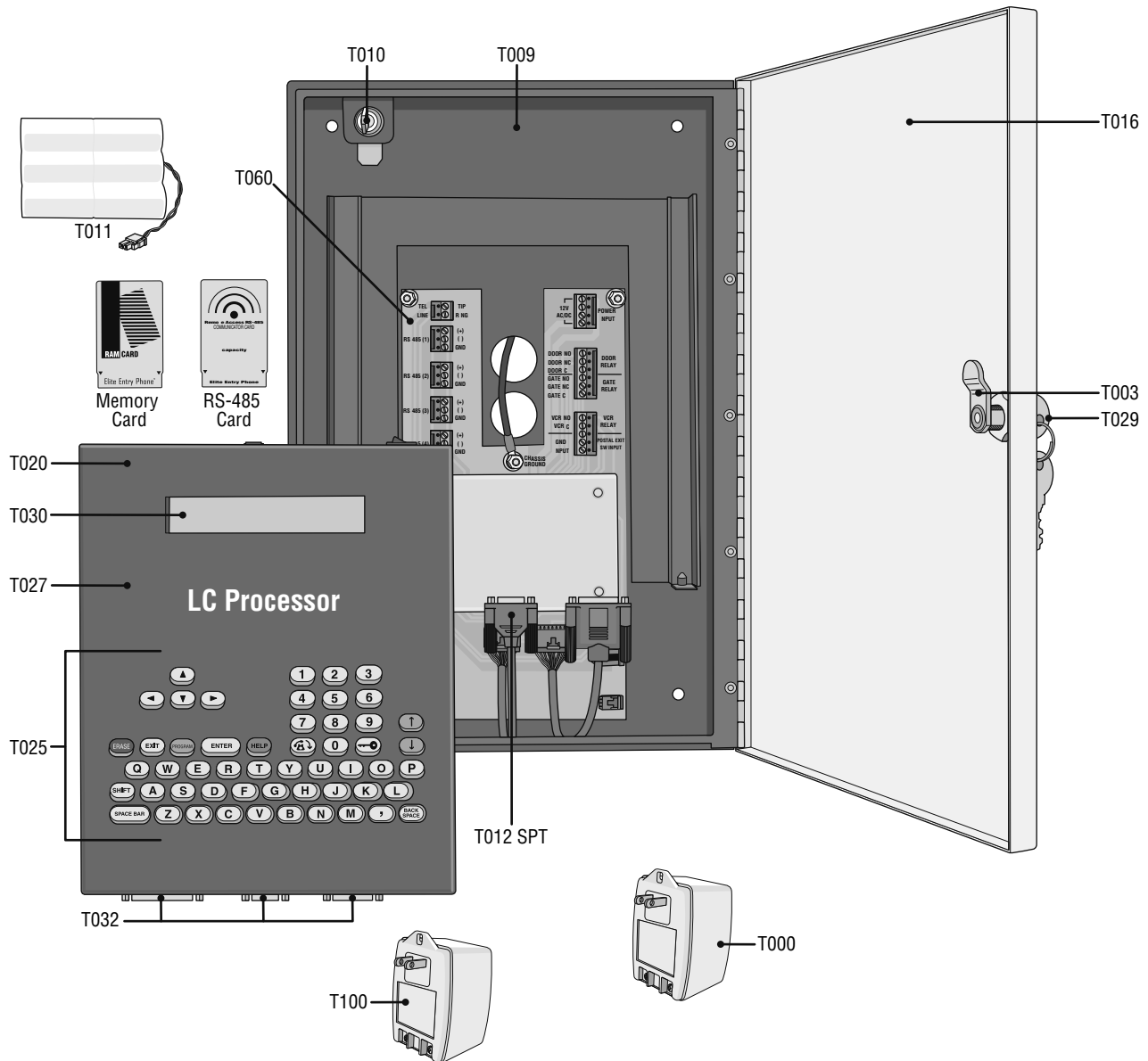(fig e.)

*IMPORTANT NOTE: In order to charge the battery in the Dial Code System, the processor must be plugged in to the transformer and the processor MUST BE ON. If the power is off on the processor, the battery will not be charging.

Memory Card

RS-485 Card

LC Processor

T012 SPT

T100

T000

CU Part #	CU Description	CU Part #	CU Description
T000	Transformer 12 VAC 50VA (Provided)	T036	Heater Pad Option (Pre-Installed in Processor)
T003	Keylock	T060	Dial Code Surge Protection Board
T009	Processor Containment Box (Back Box)	T100	16.5 VAC 50 VA Transformer (Optional)
T010	Processor Key Release / Lock	T 25 MEM	25 Name Memory Card
T011	Battery Back-Up	T 50 MEM	50 Name Memory Card
T012 SPT	9-Pin Comm Port Connector (Surge Protection Terminal)	T 150 MEM	150 Name Memory Card
T016	Controller Stainless Steel Door	T 250 MEM	250 Name Memory Card
T020	LC Complete Internal Metal Box (Processor Box)	T 500 MEM	500 Name Memory Card
T025	Programming Keys	T 1000 MEM	1000 Name Memory Card
T027	LCD Processor - No Memory Card	T RF CARD 4K	RS-485 Communicator Card 4000
T029	Key for Internal / External Lock	T RF CARD 8K	RS-485 Communicator Card 8000
T030	LCD Display	T RF CARD 16K	RS-485 Communicator Card 16000
T032	Phone Control Board (Inside Processor)		

All components and specifications are subject to change without notice.

APPROVALS

The Chamberlain Group Inc.
Complies with Part 68, FCC Rules

FC FCC Part 15 - Tested to comply with
FCC standards for home or office use

This Class B digital apparatus meets all requirements of
CANADIAN Interference Causing Equipment Regulations.

ETL UL STD 294, 5th Ed.
UL STD 1950, 3rd Ed.

Instruction to the User:
This equipment has been tested and found to comply with the limits for a class 13 digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.
In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the users authority to operate this equipment.

"Notice: The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the users satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using a acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by a user to this equipment, or equipment malfunctions, may give the telephone communications company cause to request the user to disconnect the equipment.

User should ensure for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas."

Caution: Users should not attempt to make such connection themselves, but should contact the appropriate electric inspection authority, or an electrician, as appropriate."

"Notice: The Ringer Equivalent Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to the telephone interface. The termination on a interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalent Numbers of all the devices does not exceed 5."

114A2867C