CHAMBERLAIN®

ELITE™

EL25 Installation Manual

Telephone entry/access control system with a 25 directory code capacity

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Back Mounting Plate

Input Board

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Ground

20-Pin Input to Main Board

14-Pin Output to Main Board
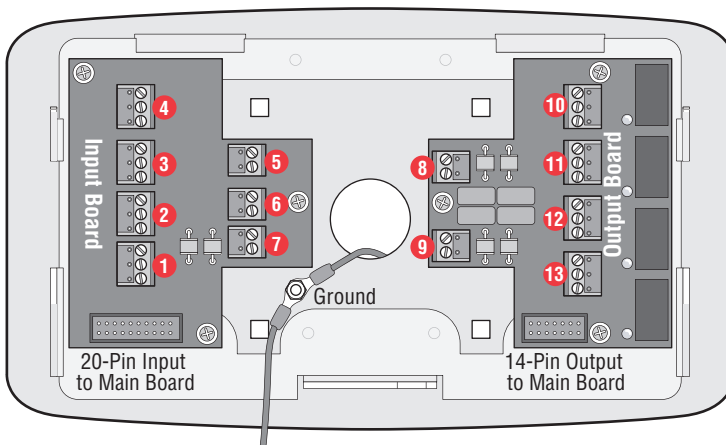
Input Board Connections

❶ **Door 1** Exit Request and Door Status
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❿ **Relay 4**, NO,NC,COM
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⓭ **Relay 1**, NO,NC,COM

Note: All relays are factory set to "Strike" and "10 sec."

Do Not overload the removable terminal block connectors. One wire per hole.
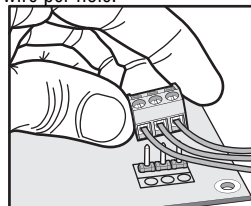
Optional Modules

Caution! A Static Discharge can Damage Circuit Boards

RG-59u Coaxial Connector
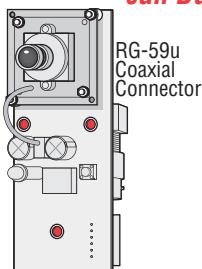
Optional CCTV Module (Page 15) (Replaces Call Button Board)

RG-6 Coaxial Connector
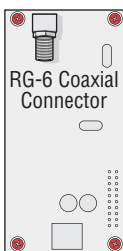
Optional RF Module (Page 14) (Fits in J400 and/or J407)

P12V   COM
P5V   LED
DATA 0   DATA 1
DATA 1   DATA 0
LED   P5V
COM   P12V
J2   J1
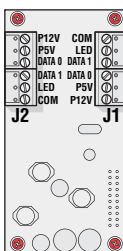
Optional Wiegand Module (Page 14) (Fits in J400 and/or J407)

CCTV

J407   J400   Main Circuit Board
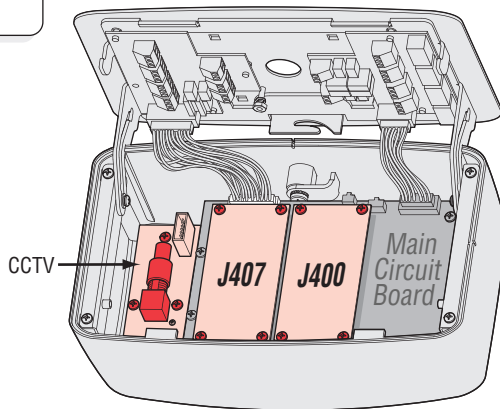
Optional Module Mounting Positions

Wire Specs and Run Distances

Use this chart to pull wires in preparation of your installation:

Description of Wire Run	Wire Specification	Maximum Distance	Recommended Wire Type	Page
Residence and Telco *Phone Lines*	2 Twisted Pairs *18-24* AWG Shielded	5000 feet	Belden #7838A	**6-10**
Door Strike	2 -Conductor *18-22* AWG Shielded		Alpha #1292C	**11**
Magnetic Lock	2 -Conductor *18-22* AWG Shielded		Alpha #1292C	**11**
Dry Contact Closure (Most *Gate Operators*)	2 -Conductor *18-24* AWG Shielded		Alpha #1292C	**12**
Exit Request (REX) / *Auxiliary Open* Devices	2 -Conductor *18-24* AWG Shielded		Alpha #1292C	**12**
AutoCall	2 -Conductor *18-24* AWG Shielded		Alpha #1292C	**13**
Door Status Sensor	2 -Conductor *18-24* AWG Shielded		Alpha #1292C	**13**
Barium Ferrite and *Wiegand Readers*	5 -Conductor *18-24* AWG Shielded	500 feet	Alpha #1295C	**14**
Proximity Readers	5 -Conductor *22* AWG Shielded	500 feet	Alpha #1295C	**14**
Radio Frequency Module (RF)	RG-6 Coaxial 75 ohm	100 feet	Belden BRG6 Cable	**14**
Postal Lock	2 -Conductor *18-24* AWG Shielded		Alpha #1292C	**15**
CCTV Camera (Optional)	Single Conductor RG-59u Coaxial	1000 feet (Monitor with a .25 volt p-p composite signal sensitivity)	Belden #9240 BNC Connectors (Amphenol #31-71008 or equivalent)	**15**
Grounding the Chassis	*12* AWG Copper	12 feet	Belden #9912	**16**

Note: *Use metal conduit* - run wires in metal conduit instead of PVC pipe. Wires run in PVC conduit may experience interference. Metal conduits also add extra protection against lightning strikes.
Never run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.

Power Wire Specs and Run Distances

Distance	12 VAC Power (Included) 2 -Conductor Shielded	12 VDC Power (Not Provided) 2 -Conductor Shielded
Under 30 Feet	*14* AWG	*16* AWG
30 - 75 Feet	*14* AWG	*14* AWG
75 - 250 Feet	*14* AWG	N/A

Always provide power from a dedicated source. Plug provided transformer into an outlet wired to its *own* 10 Amp minimum circuit breaker. This will prevent two problems:

① Other equipment cannot introduce spikes, noise, surges, or dips into the power circuit that will affect the system.

② The system's operation will not be affected if any other equipment develops a short circuit across the power line.

Installation of EL25

6 in.

10.25 in.

3.9 in.

3.075 in.

3.075 in.

5.125 in.

Mounting Holes (4)
Conduit Hole

*Optional
Pedestal Post
Mount*
(Gooseneck)

Caution! A Static Discharge can Damage Circuit Boards

1 Unlock Unit
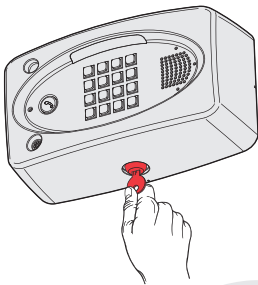
2 *Carefully* Lift Cover **Up** then Slide **Out** on Hinges
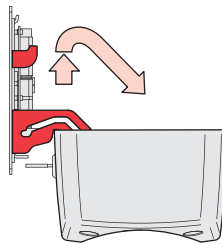
3 Unplug the 2 Main Harnesses
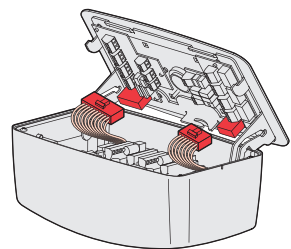
4 Line up Notch with Screw and Push Hinge Out

Screw

Notch
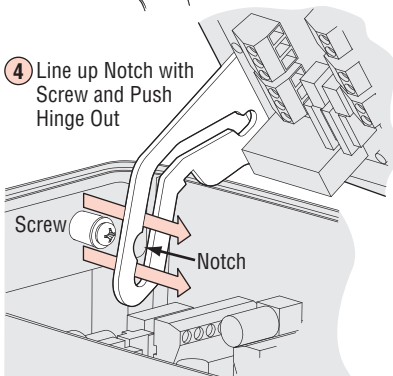
5 Remove Back Mounting Plate from Cover

Page 4
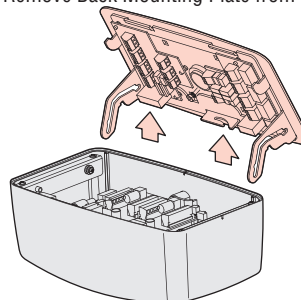
(6) Secure Back Mounting Plate to Surface or Pedestal Post in 4 Places.
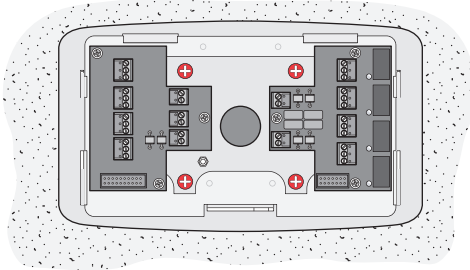
(7) Run **All** Wires Through Conduit Hole for Connections.

EL25 **MUST** be Properly Grounded! See Page 16.
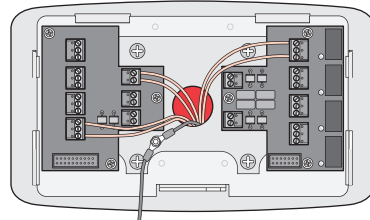
Keep Wires Neat! Use zip ties if necessary.

(8) Reverse the Sequence to Reassemble Unit.

DO NOT Pinch Wires when Closing and Locking the Unit!

Do Not overload the removable terminal block connectors. One wire per hole.
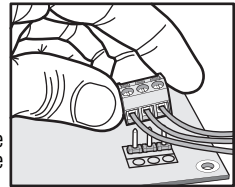
Rotating the Keypad for Vertical Mounting

Caution! A Static Discharge can Damage Circuit Boards

(1) Disconnect all Plugs from Main Circuit Board and Remove Board. (4 Screws)

(2) Remove Bracket. (4 Screws)

(3) **Rotate Keypad 90 Degrees Clockwise**.

(4) Reverse the Sequence to Reassemble Unit.

(3) Keypad

(2) Bracket

ONLY Vertical Mounting Position

(1) Main Circuit Board

Note: Bracket notch lines up with ribbon cable on keypad.

Main Circuit Board Connections

J200 - Speaker	J401 - Keypad
J402 - Light	J406 - Light
J404 - Call Button Board	J201 - Microphone
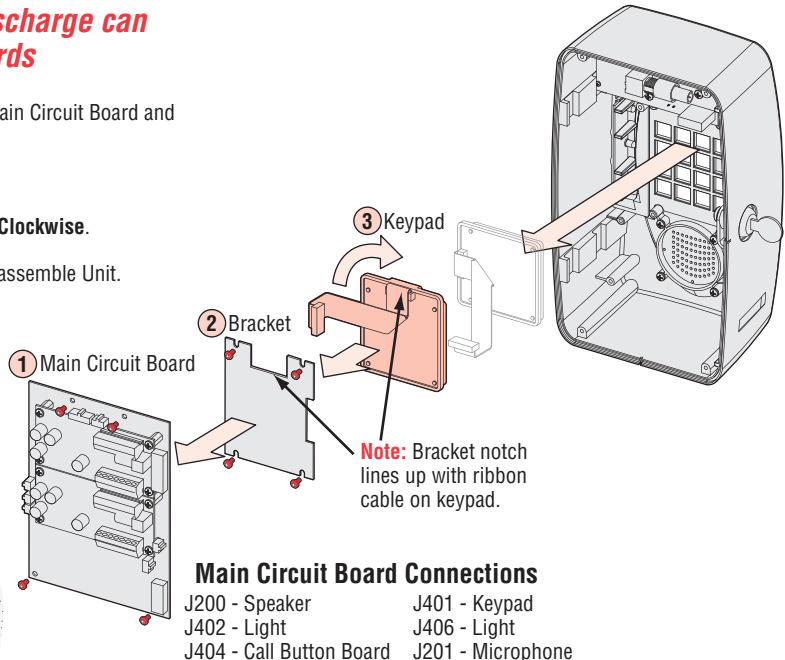
Wiring 1 EL25 to Telco Line

The bypass board allows the EL25 to be disconnected without interrupting normal telephone operation.

- When the EL25 unit is *in use*, the bypass switch must be set to the *operate* position.
- When the EL25 unit is *disconnected*, the bypass switch must be set to the *bypass* position.

Important: The Bypass Board (located inside the property) allows access to the phone in case the EL25 fails.

Never run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.

Home Phone

Bypass Board
(Mount in the House)

OPERATE   BYPASS

Ring Tip
HOME   **4 3 2 1**
SYSTEM   Ring Tip
TELCO

Ring

Tip

Alarm System Position

Tip

Ring

(NOT Provided)

**Telco Entrance Box
Demarcation Point**

Important: The Voltmeter measurement between the Tip and Ring should read between 48 and 53 VDC.

Note: If the EL25 unit will be used in conjunction with an alarm system, you *must* connect the telephone line to the alarm system first. If the units are not connected in this order, they will not operate properly.

Use 18-24 AWG
2 twisted pair

Do Not overload the removable terminal block connectors. One wire per hole.

NO
NC   **10**
Com   Relay 4

Resident

NO
3   **8** Ring   NO
4   Tip   NC   **11**
Com   Relay 3

Telco

NO
1   **9** Ring   NO
2   Tip   NC   **12**
Com   Relay 2

Output Board
(See page 2)

NO
NC   **13**
Com   Relay 1

Wiring Multiple EL25 Units to Telco Line

Up to **7 EL25s** can share the same phone line. The bypass boards allow the EL25 units to be disconnected without interrupting normal telephone operation.

- When the EL25 units are *in use*, the bypass switches must be set to the *operate* position.
- When the EL25 units are *disconnected*, the bypass switches must be set to the *bypass* position.

Bypass Board for Unit 1

OPERATE ▢ BYPASS

Ring Tip **4 3 2 1** Ring Tip
HOME SYSTEM TELCO

Bypass Board for Unit 2

OPERATE ▢ BYPASS

Ring Tip **4 3 2 1** Ring Tip
HOME SYSTEM TELCO

Last Bypass Board

BYPASS

Ring Tip
TELCO

Home Phone

Ring
Tip

Ring
Tip

Tip
Ring

Tip
Ring

**Telco Entrance Box
Demarcation Point**

Important: The Voltmeter measurement between the Tip and Ring should read between 48 and 53 VDC.

Never run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.

Important: The Bypass Boards (located inside the property) allow access to the phone in case *any* of the EL25s fail.

Use 18-24 AWG
2 twisted pair

Important: You must program the Unit ID's for *each* EL25 wired in the series. See *"Multiple Unit Set-Up"* page 19.

Do Not overload the removable terminal block connectors. One wire per hole.

Resident

3
4

8 Ring
Tip

Telco

1
2

9 Ring
Tip

Unit ID 1
Output Board
(See page 2)

Resident

1
2

8 Ring
Tip

Telco

3
4

9 Ring
Tip

Unit ID 2
Output Board
(See page 2)

NO
NC **10** Relay 4
Com

NO
NC **11** Relay 3
Com

NO
NC **12** Relay 2
Com

NO
NC **13** Relay 1
Com

No Telco Line

The EL25 can be a stand alone system that allows communication between the unit and a resident's phones.

Single EL25

Ringer Equivalence Number (REN) of "5".

Output Board
(See page 2)

Use 18-24 AWG
2 twisted pair

Resident
8 Ring
Tip

Telco
9 Ring
Tip

NC 10 Com — Relay 1
NO 11 NC Com — Relay 2
NO 12 NC Com — Relay 3
NO 13 NC Com — Relay 4

Never run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.

Multiple EL25s (Up to 7)

Ringer Equivalence Number (REN) of "5".

Important: You must program the Unit ID's for *each* EL25 wired in the series. See *"Multiple Unit Set-Up"* page 19.

Important: Only disable the Telco mode of the Unit *farthest* away from the house. See *"Disable Telco Mode"* page 54 in the Keypad Programming Guide.

Resident
8 Ring
Tip

Telco
9 Ring
Tip

NC 10 Com — Relay 1
NO 11 NC Com — Relay 2
NO 12 NC Com — Relay 3
NO 13 NC Com — Relay 4

Unit ID 1
Output Board
(See page 2)

Use 18-24 AWG
2 twisted pair

Resident
8 Ring
Tip

Telco
9 Ring
Tip

NC 10 Com — Relay 1
NO 11 NC Com — Relay 2
NO 12 NC Com — Relay 3
NO 13 NC Com — Relay 4

Unit ID 2
Output Board
(See page 2)

to next EL25 (Unit ID 3 then 4 etc.)

Dedicated Telco Line

Single EL25

Telco Entrance Box Demarcation Point

Ring

Tip

Use 18-24 AWG 2 twisted pair

Resident 8 Ring Tip

Telco 9 Ring Tip

Relay 2 — NO NC 11 Com

Relay 3 — NO NC 12 Com

Relay 4 — NO NC 13 Com

***Never* run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.**
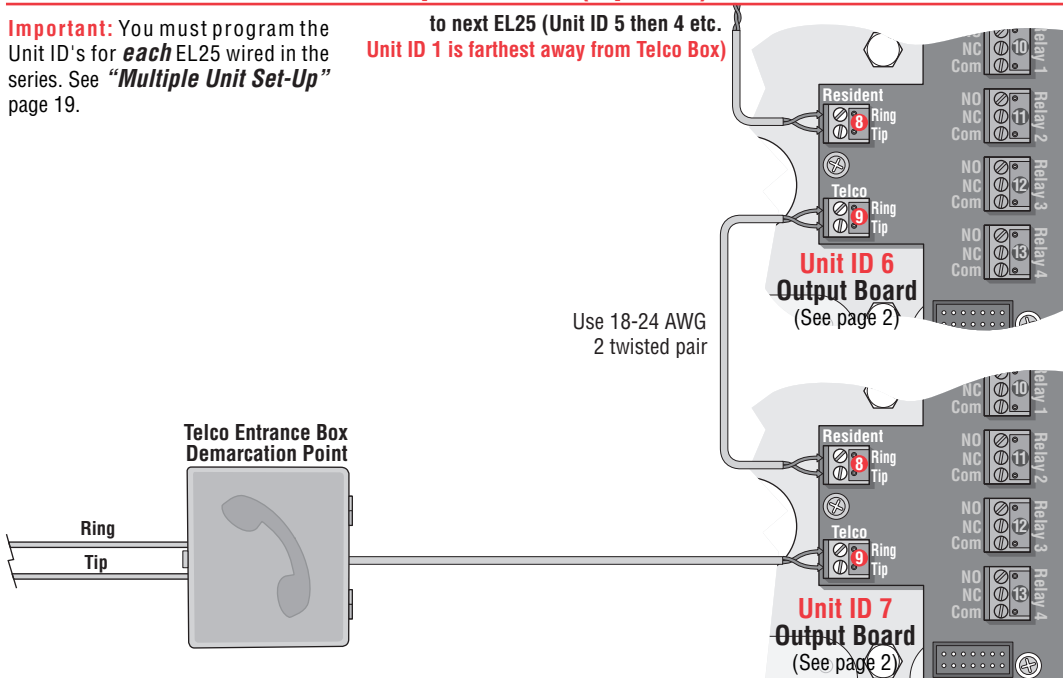
Output Board
(See page 2)

Multiple EL25s (Up to 7)

Important: You must program the Unit ID's for *each* EL25 wired in the series. See *"Multiple Unit Set-Up"* page 19.
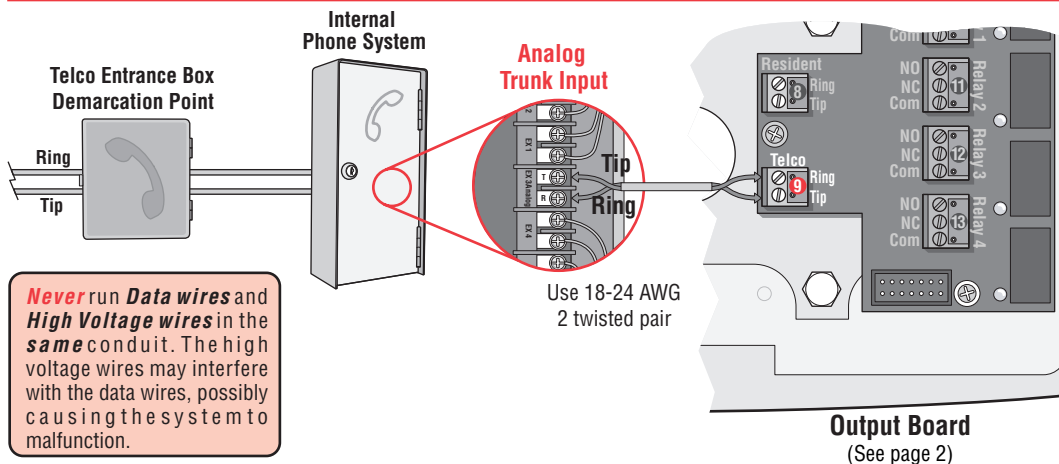
to next EL25 (Unit ID 5 then 4 etc.
Unit ID 1 is farthest away from Telco Box)

NC 10 Com

Resident 8 Ring Tip

NO NC 11 Com

Telco 9 Ring Tip

NO NC 12 Com

NO NC 13 Com

Unit ID 6
Output Board
(See page 2)

Use 18-24 AWG 2 twisted pair

NC 10 Com

Telco Entrance Box Demarcation Point

Ring

Tip

Resident 8 Ring Tip

NO NC 11 Com

Telco 9 Ring Tip

NO NC 12 Com

NO NC 13 Com

Unit ID 7
Output Board
(See page 2)

Internal Phone System

The EL25 can be wired to any *Analog Trunk Input* in a internal home phone system.

Single EL25

Telco Entrance Box Demarcation Point

Ring

Tip

Internal Phone System

Analog Trunk Input

Tip

Ring

Use 18-24 AWG
2 twisted pair

Resident Ring Tip 8

Telco Ring Tip 9

Output Board
(See page 2)

Never run *Data wires* and *High Voltage wires* in the *same* conduit. The high voltage wires may interfere with the data wires, possibly causing the system to malfunction.
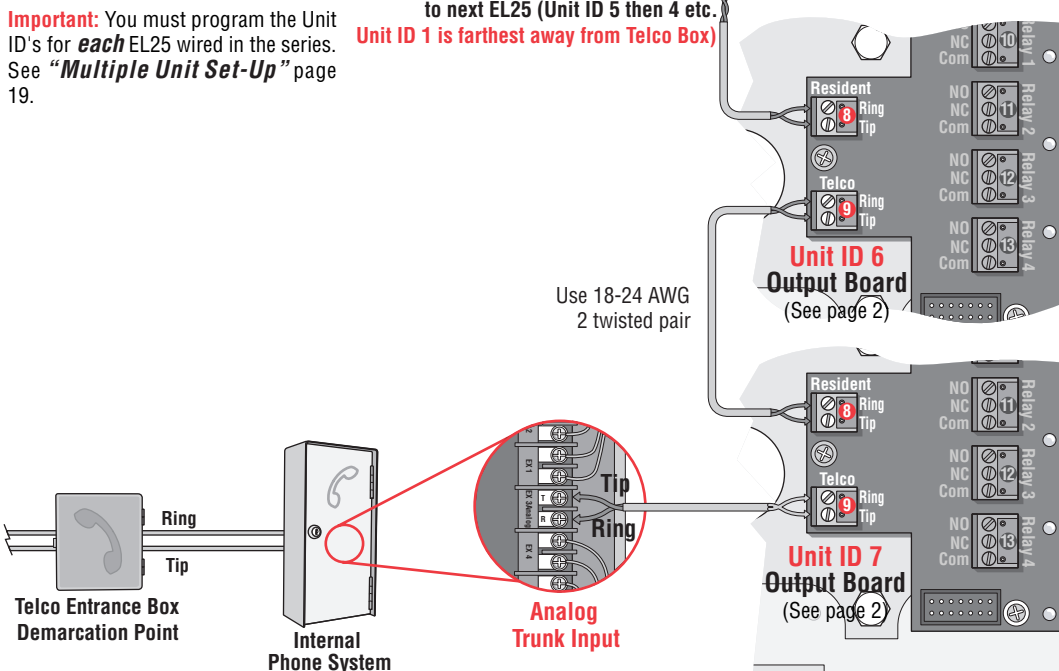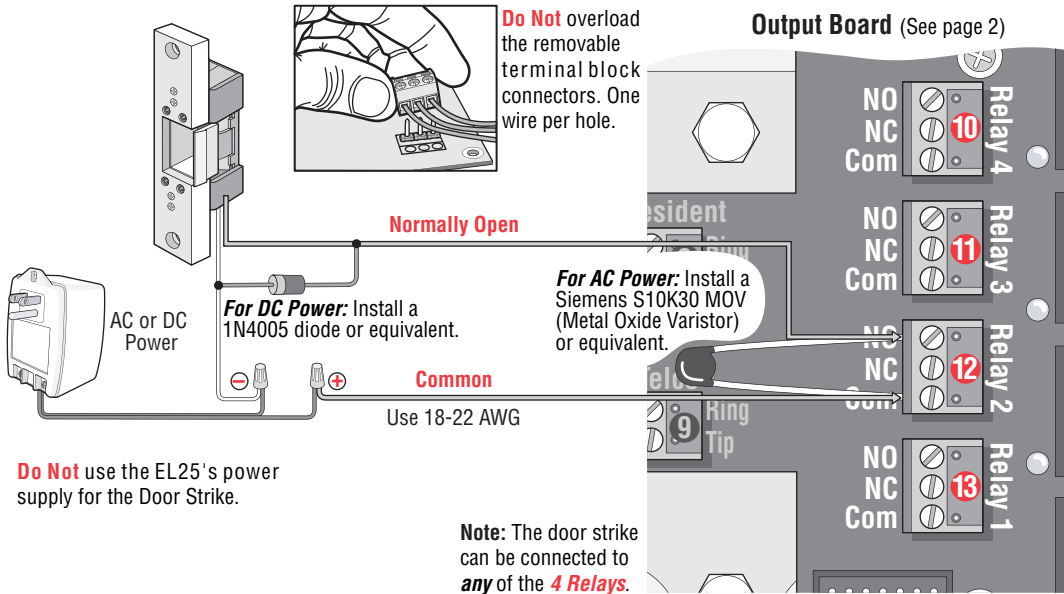
Multiple EL25s (Up to 7)

Important: You must program the Unit ID's for *each* EL25 wired in the series. See *"Multiple Unit Set-Up"* page 19.
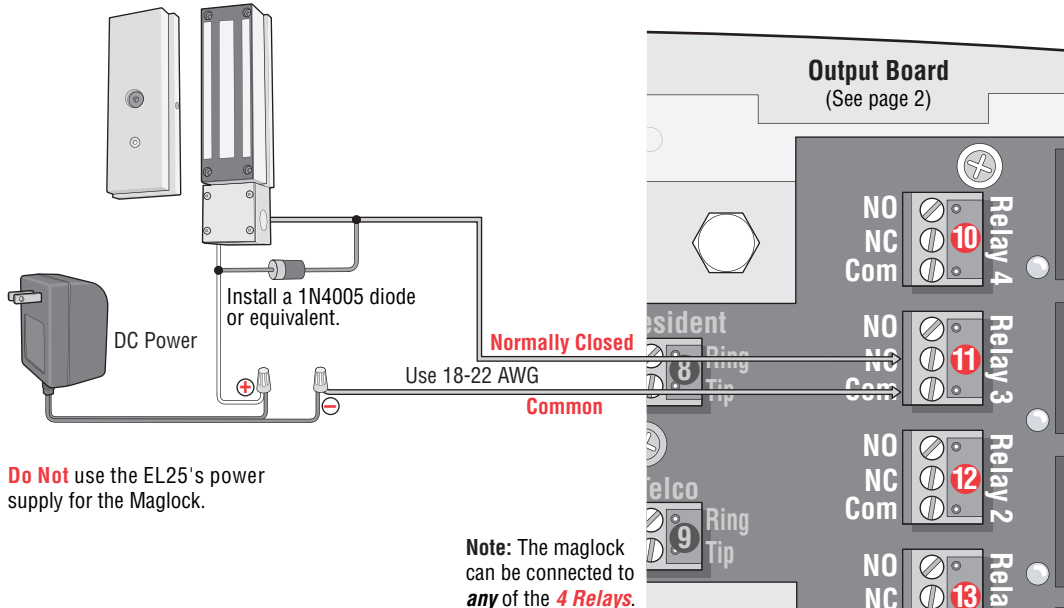
to next EL25 (Unit ID 5 then 4 etc.
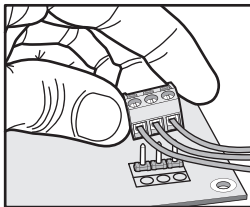**Unit ID 1 is farthest away from Telco Box)**

Resident Ring Tip 8

Telco Ring Tip 9

Unit ID 6
Output Board
(See page 2)

Use 18-24 AWG
2 twisted pair

Resident Ring Tip 8

Telco Ring Tip 9

Unit ID 7
Output Board
(See page 2)

Ring

Tip

Telco Entrance Box Demarcation Point

Internal Phone System

Tip

Ring

Analog Trunk Input

Wiring a Door Strike Lock

Do Not overload the removable terminal block connectors. One wire per hole.

Output Board (See page 2)

NO
NC — 10 — Relay 4
Com

Normally Open

NO
NC — 11 — Relay 3
Com

For AC Power: Install a Siemens S10K30 MOV (Metal Oxide Varistor) or equivalent.

For DC Power: Install a 1N4005 diode or equivalent.

AC or DC Power

NO
NC — 12 — Relay 2
Com

Common

Use 18-22 AWG

NO
NC — 13 — Relay 1
Com

Do Not use the EL25's power supply for the Door Strike.

Note: The door strike can be connected to **any** of the **4 Relays**.

Wiring a Maglock

Output Board
(See page 2)

NO
NC — 10 — Relay 4
Com

Install a 1N4005 diode or equivalent.

DC Power

Normally Closed

NO
NC — 11 — Relay 3
Com

Use 18-22 AWG

Common

NO
NC — 12 — Relay 2
Com

Do Not use the EL25's power supply for the Maglock.

Note: The maglock can be connected to **any** of the **4 Relays**.

NO
NC — 13 — Rela

Wiring a Gate Operator

Do Not overload the removable terminal block connectors. One wire per hole.

Output Board
(See page 2)

NO
NC **10** Relay 4
Com

Normally Open

NO
NC **11** Relay 3
Com

Common
Use 18-24 AWG

NO
NC **12** Relay 2
Com

Note: The gate operator can be connected to **any** of the **4 Relays**.

NO
NC **13** Relay 1

President
Ring **8**
Tip

Telco
Ring **9**
Tip
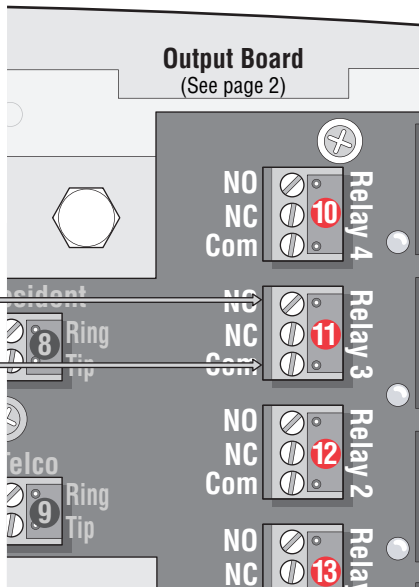
Wiring a Key Switch/PIR/REX

Any auxiliary opening device such as a key switch or PIR (Passive Infrared Device), or an exit request button (REX) that provides **contact closure** can be hooked up to the Door Input terminals.

Input Board
(See page 2)

Door 4 **4** Exit Req 4
Com
Door Stat 4

Door 3 **3** Exit Req 3
Com
Door Stat 3

Door 2 **2** Exit Req 2
Com
Door Stat 2

Door 1 **1** Exit Req 1
Com

Postal **5**
Power Autocall **6**
7

Exit Request

Common
Use 18-24 AWG

PRESS

TO EXIT
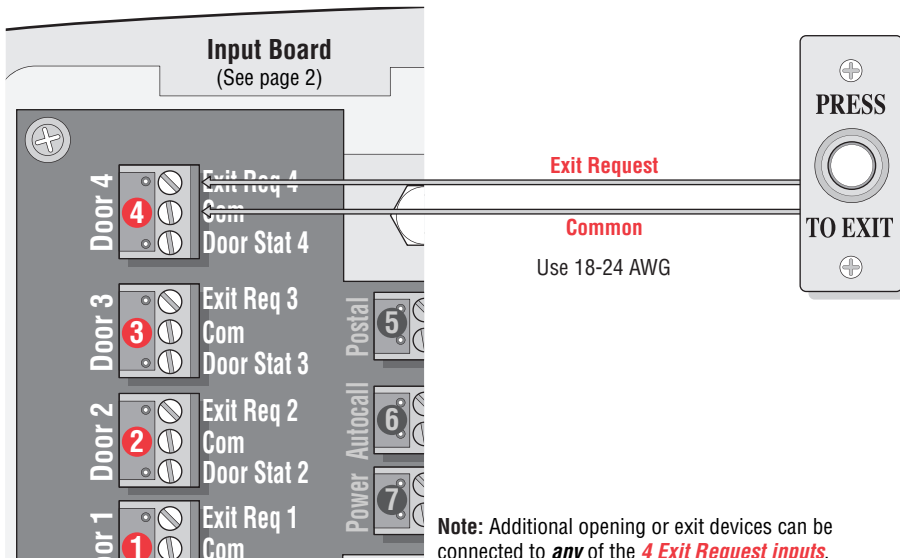
Note: Additional opening or exit devices can be connected to **any** of the **4 Exit Request inputs**.
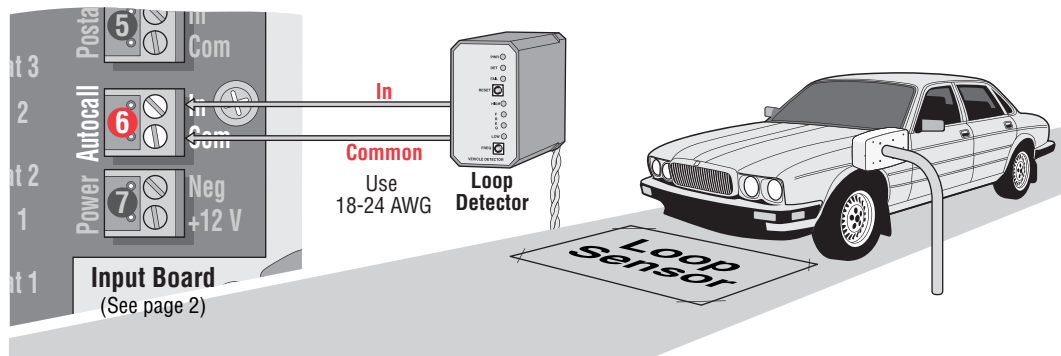
Wiring a Door Sensing Device

The EL25 can monitor the position of up to *four doors/gates* and may react to a change in their status with one of the relays (not set as a control relay). For example, if a door is pried open or is held open after its relay deactivates, the unit will record the breach in its transactions and can perform the following actions:

- Call the main residence phone and report the status of the door.
- Energize a relay to activate an alarm device such as a siren, light, or CCTV camera.
- Main use is to terminate strike time early.

Input Board
(See page 2)

Door 4
4 Exit Req 4
Com
Door Stat 4

Door 3
3 Exit Req 3
Com
Door Stat 3

Door 2
2 Exit Req 2
Com
Door Stat 2

Door 1
1 Exit Req 1
Com

Postal **5**

Power Autocall **6**
7

Common

Door Status

Use 18-24 AWG

Note: Additional sensing devices can be connected to *any* of the *4 Door Stat inputs*.
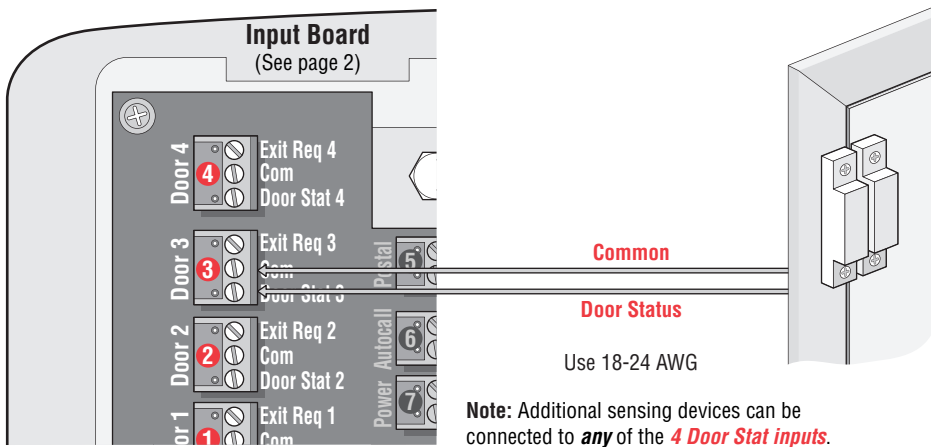
Wiring the AutoCall Feature

Using the AutoCall feature, the EL25 will automatically call the main residence phone when a driveway sensor is *activated* (any device that provides a *contact closure*). For example, when a visitor drives over a *loop sensor* that is connected to the AutoCall feature, the EL25 will call the main residence phone automatically so the visitor can speak to the resident *without* pressing the call button on the unit.
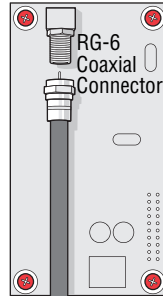
Postal **5** In
Com

Power Autocall **6** In
Com

7 Neg
+12 V

at 3
2
at 2
1
at 1

Input Board
(See page 2)

In

Common
Use 18-24 AWG

Loop Detector

Loop Sensor

Wiring a Radio Frequency Module

An optional *radio frequency module* and a remote antenna can be installed if *the residents will access a controlled area with a transmitter.* Refer to instructions supplied with the optional *RF Module* for more information.
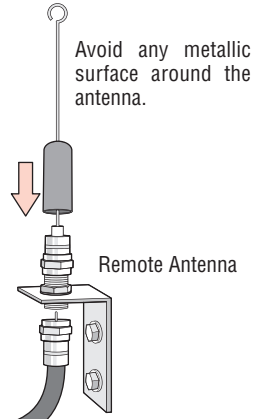
RG-6 Coaxial Connector

1 RF Module Kit
Part # RFMODKT

Avoid any metallic surface around the antenna.

Remote Antenna

RF Module(s) will fit in **J400** as **Device 1** and/or **J407** as **Device 3**.
(4 Mounting Screws per Board)

RG-6 Coaxial Cable
100 Feet Maximum

Main Circuit Board

J407 Device 3   J400 Device 1

Wiegand Card Reader / Keypad

Wiegand card readers and keypads can be connected to either of *2 optional wiegand modules* that can be placed in the EL25. *Each wiegand module supports two card readers/keypads.* Some wiegand card reader/keypads have a sixth blue wire. **Do Not** connect this blue wire to the EL25. Insulate this wire from the unit to prevent a short (Refer to instructions supplied with your wiegand device for more information).
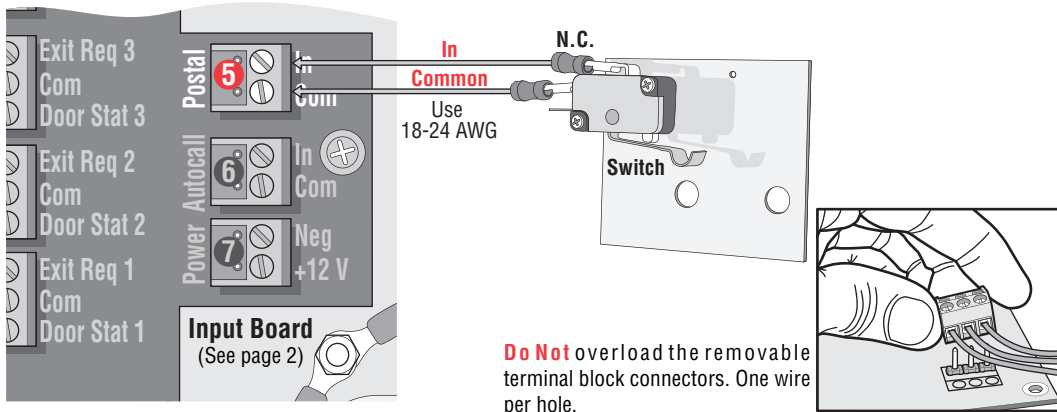
J407 Position
Device 4   Device 3

J400 Position
Device 2   Device 1

J2	J1
P12V	COM
P5V	LED
DATA 0	DATA 1
DATA 1	DATA 0
LED	P5V
COM	P12V

J2	J1
P12V	COM
P5V	LED
DATA 0	DATA 1
DATA 1	DATA 0
LED	P5V
COM	P12V

Black
Brown
White
Green
Red Power

Use 18-24 AWG

Card Reader is Wired to **Device 1**

Blue (Insulate this wire).

Shield (Attach to the EL25 ground).
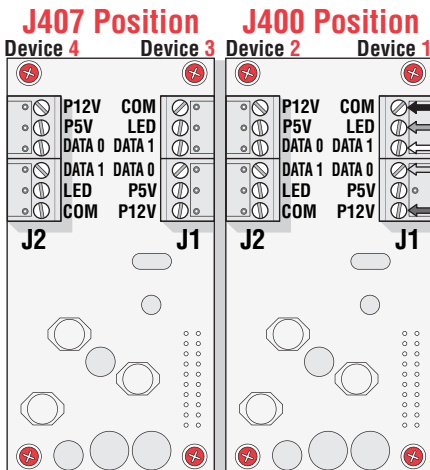
1 Wiegand Module Kit
Part # WOMODKT

Wiegand Modules will fit in **J400** as **Device 1** (J1) and **2** (J2) and/or **J407** as **Device 3** (J1) and **4** (J2).
(4 Mounting Screws per Board)

Main Circuit Board

J407   J400
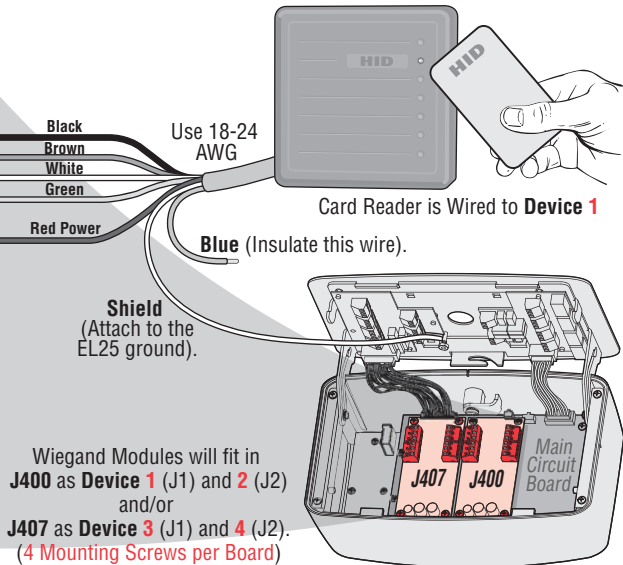
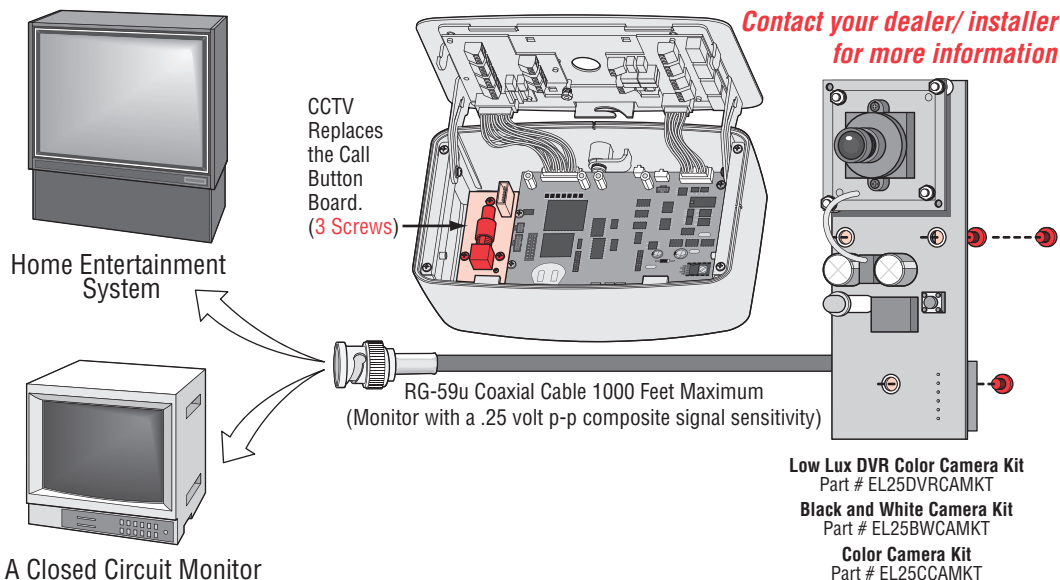# Wiring a Postal Lock Switch

The *Post Office requires* installation of a postal lock *if postal carriers do not have access to a controlled area*. Contact the local post office and arrange for them to install the postal lock while you are on site. The postal lock requires a switch to activate one of the four relays (Configurable with programming number **69** , page 58 in the Keypad Programming Manual).
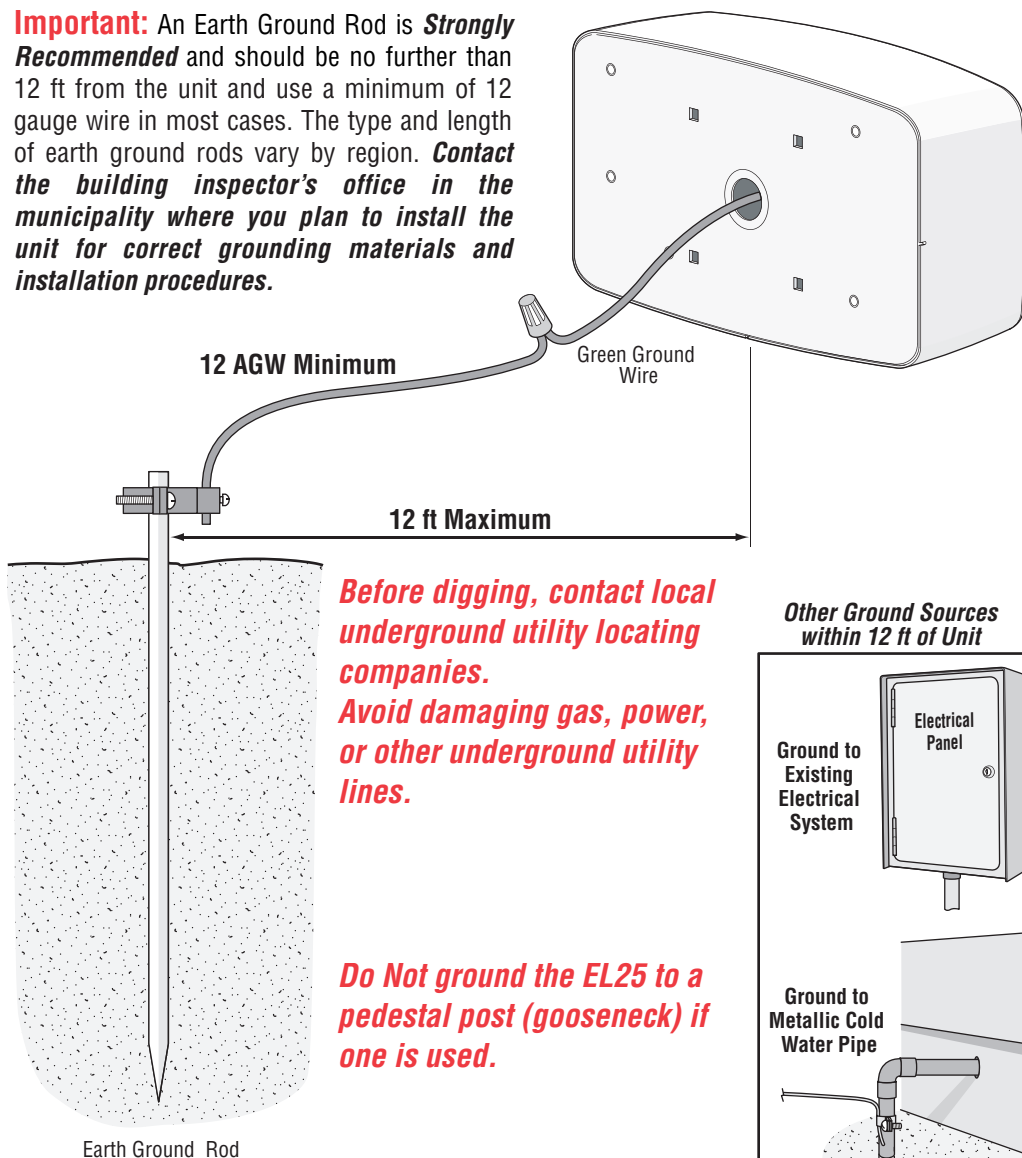
Exit Req 3
Com
Door Stat 3

Postal **5** In
Com

In
Common
Use
18-24 AWG

N.C.

Switch

Exit Req 2
Com
Door Stat 2

Autocall **6** In
Com

Exit Req 1
Com
Door Stat 1

Power **7** Neg
+12 V

Input Board
(See page 2)

Do Not overload the removable terminal block connectors. One wire per hole.

Wiring an Internal Camera (CCTV)

An *Optional* CCTV (Close Circuit Television) Camera can be installed *inside* the EL25 unit replacing the Call Button Board, refer to instructions supplied with the Camera kit for more information.

Contact your dealer/ installer for more information

CCTV Replaces the Call Button Board.
(3 Screws)

Home Entertainment System

RG-59u Coaxial Cable 1000 Feet Maximum
(Monitor with a .25 volt p-p composite signal sensitivity)

A Closed Circuit Monitor

Low Lux DVR Color Camera Kit
Part # EL25DVRCAMKT
Black and White Camera Kit
Part # EL25BWCAMKT
Color Camera Kit
Part # EL25CCAMKT

Grounding the EL25

Ensure that the system is grounded properly. The EL25 contains a number of static sensitive components that can be *damaged* by static discharge.

Important: An Earth Ground Rod is *Strongly Recommended* and should be no further than 12 ft from the unit and use a minimum of 12 gauge wire 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.*

12 AGW Minimum

Green Ground Wire

12 ft Maximum

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

Do Not ground the EL25 to a pedestal post (gooseneck) if one is used.

Earth Ground Rod

Other Ground Sources within 12 ft of Unit

Ground to Existing Electrical System

Electrical Panel

Ground to Metallic Cold Water Pipe

Wiring Power to the EL25

The 110 VAC outlet must be *dedicated* to the EL25 *ONLY*. This outlet should be wired back to its *own* 10 Amp minimum circuit breaker. This will prevent two problems:

①Other equipment cannot introduce spikes, noise, surges, or dips into the power circuit.

②The system's operation will not be affected if any other equipment develops a short circuit across the power line.

Connect the transformer into a 110 VAC outlet *after all* connections have been made. *Any other type of outlet will cause damage to the system.*

AC Power
12 VAC (Included)

EL25 *MUST* be Properly Grounded! See Page 16.

110 VAC Outlet

EL25

Dedicated 10 Amp Minimum Circuit Breaker

Input Board (See page 2)

om
or Stat 4

it Req 3
om
or Stat 3

Postal
⑤ In Com

it Req 2
om
or Stat 2

Autocall
⑥ In Com

it Req 1
om
or Stat 1

Power
⑦ Neg +12 V

Polarity Does Not Matter
(See table on the next page for AWG)

12 VDC Power (Not Provided)

Polarity Does Not Matter
(See table on the next page for AWG)

Wiring Power to the EL25 (con't)

Power Wire Specifications and Run Distances

Distance	12 VAC Power (Included) 2 -Conductor Shielded	12 VDC Power (Not Provided) 2 -Conductor Shielded
Under 30 Feet	*14* AWG	*16* AWG
30 - 75 Feet	*14* AWG	*14* AWG
75 - 250 Feet	*14* AWG	N/A

Caution: Not responsible for conflicts between the information listed in the above table and the requirements of your local building codes. The information is for suggested use only. Check your local codes before installation.

Powering Up and Checking the LEDs

Plug the transformer into the 110 VAC outlet. Check the **SYS PWR** LEDs on the Main board.

ON LED *– Board has Power.*

LO LED *– Power is Too Low.*

HI LED *– Power is Too High.*

If the *LO* or *HI* LEDs are lit, press the *PWR MON RST* (Power Monitor Reset) button.

If the *LO* or *HI* LED is still lit, check the power connections, wiring, and transformer.

ON

J406

J201

J401

J407

J400

J402 J200

Hard Reboot

PWR MON RST   HI   LO
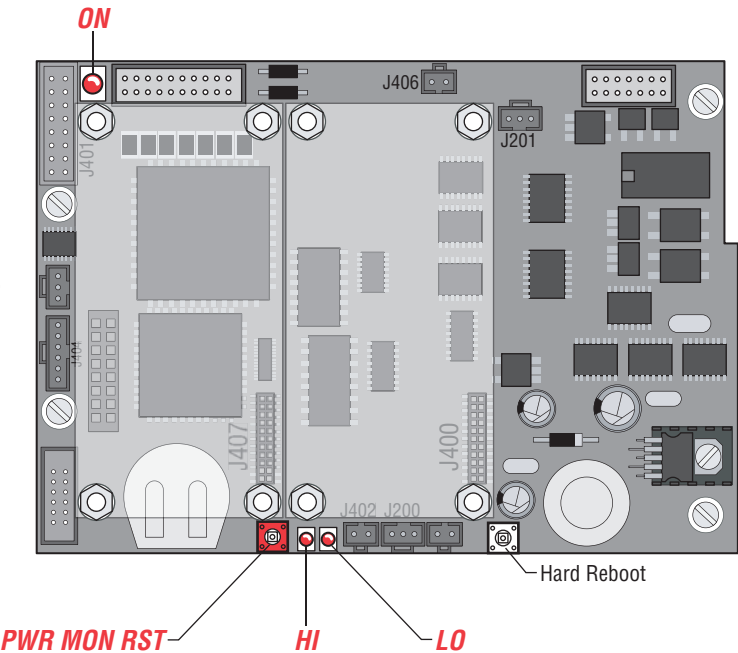
Adjust Microphone / Speaker Volume

Adjust Speaker Volume: 18

Allows the visitor to hear the resident at the unit. **Factory Setting for the Speaker is "5".**

Enter Programming Mode	Factory Password		Programming Sequence	Exit Programming Mode	
⋆ ⋆ ⋆	0 0 0 0 0 0	*2 Short Beeps Will be Heard*	**Set Speaker Level** 1 8 # (**0**=Mute, **1**=Low....**10**=High)	# 0 #	*3 Short Beeps Will be Heard*

Note: The visitor can adjust the speaker volume on unit with this key. Unit will return to programmed volume setting when call is complete. 🔊+

Adjust Microphone Volume: 19

Allows the resident to hear the visitor at the unit. **Factory Setting for the Microphone is "5".**

Enter Programming Mode	Factory Password		Programming Sequence	Exit Programming Mode	
⋆ ⋆ ⋆	0 0 0 0 0 0	*2 Short Beeps Will be Heard*	**Set Microphone Level** 1 9 # (**0**=Mute, **1**=Low....**10**=High)	# 0 #	*3 Short Beeps Will be Heard*

For more information refer to the Keypad Programming Manual

If you make an error during the programming sequence, press the asterisk key (⋆) to start the programming sequence again.

"Multiple Unit" Set-Up

Up to seven (**7**) EL25s can be installed on a single telephone line. *Each* unit must have a *"Unique Unit ID"* number and the *"Number of Units in Chain"* assigned to it. Unit ID #1 is always connected to the residence.

Unique Unit ID Sequential Order

Telco Entrance Box Demarcation Point

Unit ID "1" Unit ID "2" Unit ID "3" Unit ID "7"

Residence

Number of Units in Chain "7"
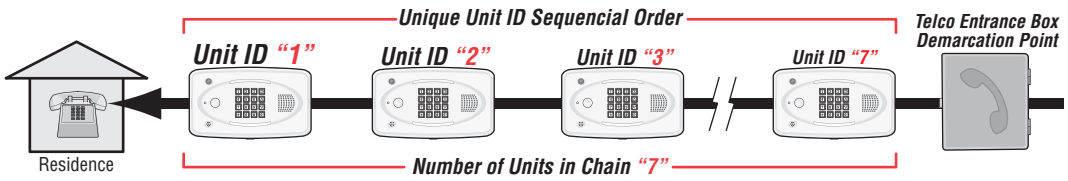
Set the Unit's ID Number and Number of Units in Chain: 2

This must be performed on *each* unit in the chain. **Factory Setting is "Unit ID 1" and "Number of Units in Chain 1".**

Enter Programming Mode	Factory Password		Programming Sequence			Exit Programming Mode	
⋆ ⋆ ⋆	0 0 0 0 0 0	*2 Short Beeps Will be Heard*	2 #	**Set Unit ID** (**1** to **7**) #	**Set Number of Units in Chain** (**1** to **7**)	# 0 #	*3 Short Beeps Will be Heard*

For more information refer to the Keypad Programming Manual

Common Mistakes

- Check for correct length and AWG of wires. See page 3.
- Check that wires are correctly inserted into the terminal blocks (not loose, no two sharing the same position).
- Check board markings for correct terminal block placements.
- Make sure high voltage and data wires **do not share** the same conduit.
- Use metal conduit, **not PVC**.

No power to EL25

- Check power at source. Power **must** come from a **dedicated 110VAC** outlet.
- The transformer's outlet should be wired to its **own** circuit breaker.
- Check "**SYS PWR**" LED indicators. If "**LO**" or "**HI**" are lit, press "**PWR MON RST**" button. If either of those two LEDs are still lit, check transformer and outlet.

Door Strikes/Maglocks/Gate Operator not working

- Check power source. Strikes, Maglocks and Gate Operator **must** be powered **independent** from unit.
- Connect and test different Strike or Maglock. Make sure Strike or Maglock is **not defective.**
- **Door Strike:** Pin connections "**NO**" and "**COM**" at Relay terminal.
- **Mag Lock:** Pin connections "**NC**" and "**COM**" at Relay terminal.
- **Gate Operator:** Pin connections "**NO**" and "**COM**" at Relay terminal.

Postal Lock or AutoCall device not working

- Short "**IN**" and "**COM**" pin connections to verify functionality. If wiring is correct and device still does not work, contact technical support.

Card Reader not communicating with EL25

- Check Wiegand reader module connections.
- Connect and test a functioning reader. Make sure reader is not defective.
- Did you add the card(s) to the database while in programming mode?
- Check card format compatibility. The EL25 is only compatible with 26 and 30-bit cards.
- Review the transactions using Versa XS, if applicable, and check whether card failed.

Phone not functioning with the EL25

- Did you wire the Bypass Board correctly? See page 7.
- Is Bypass Board switch set to "**OPERATE**"?
- Did you wire the surge suppressor correctly? See page 7.
- Using an alarm system? If so, see page 8.
- Using an alarm system on multiple unit configuration? If so, see page 9.

Aux Open / Exit Request device not working

- Did you assign a relay to the REX? See the EL25 Programming Manuals.
- Check connections at Door # terminal(s). Wires to "**COM**" and "**EXT REQ #**" connection.

Transmitter not working

- Did you use the correct coaxial cable? See page 3.
- Is the remote antenna installed correctly? Is it **outside** of the EL25 enclosure?
- Did you add the transmitter(s) to the database as a transmitter or a access card while in programming mode?
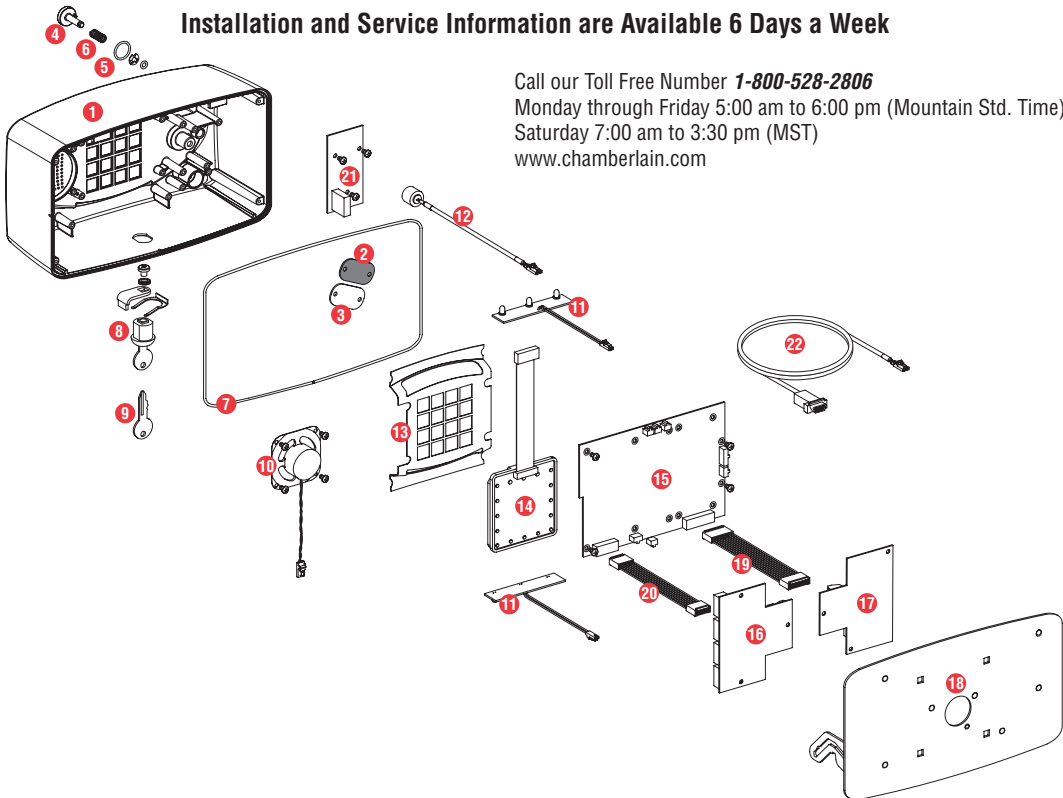- Only Passport transmitters can be used.

Installation and Service Information are Available 6 Days a Week

Call our Toll Free Number *1-800-528-2806*
Monday through Friday 5:00 am to 6:00 pm (Mountain Std. Time)
Saturday 7:00 am to 3:30 pm (MST)
www.chamberlain.com

When ordering repair parts, Please supply the following information:
Part Number, Description and Model Number

	Part Description	Part Number		Part Description	Part Number
❶	Silver Cover	093D0341	⓬	Assembly, Mic Cable, EL25	002B0692
	Nickel Cover	093D0341-1	⓭	Gasket, Key Pad	084C0087
	Dark Gray Cover	093D0341-2	⓮	Assembly Keypad 16 Button	180D0236
❷	Lens Black, Camera	108B0081	⓯	Assembly EL25 Main Board	002B0735
❸	Lens Clear, Camera	108B0081-1	⓰	Assembly PCB Output Board	002B0737
❹	Actuator,Call Button, Silver	101A0159	⓱	Assembly PCB Input Board	002B0736
❺	E-Ring, Call Button	158A0094	⓲	Assembly, Mounting Back, Silver EL25	002C0607
❻	Spring, Call Button	177A0166		Assembly, Mounting Back, Nickel EL25	002C0607-1
❼	Gasket, Back	084B0081-1		Assembly, Mounting Back, Mist Gray EL25	002C0607-2
❽	Assembly Lock EL25	002B0809	⓳	Assembly, 20-Pin Cable, EL25	002B0705
❾	Key	TBD Call	⓴	Assembly, 14-Pin Cable, EL25	002B0704
❿	Assembly, Speaker EL25	002B0639	㉑	Assembly, Call Button Board	002B0731
⓫	Assembly, LED	002B0721	㉒	Direct Connect Cable	002B0747
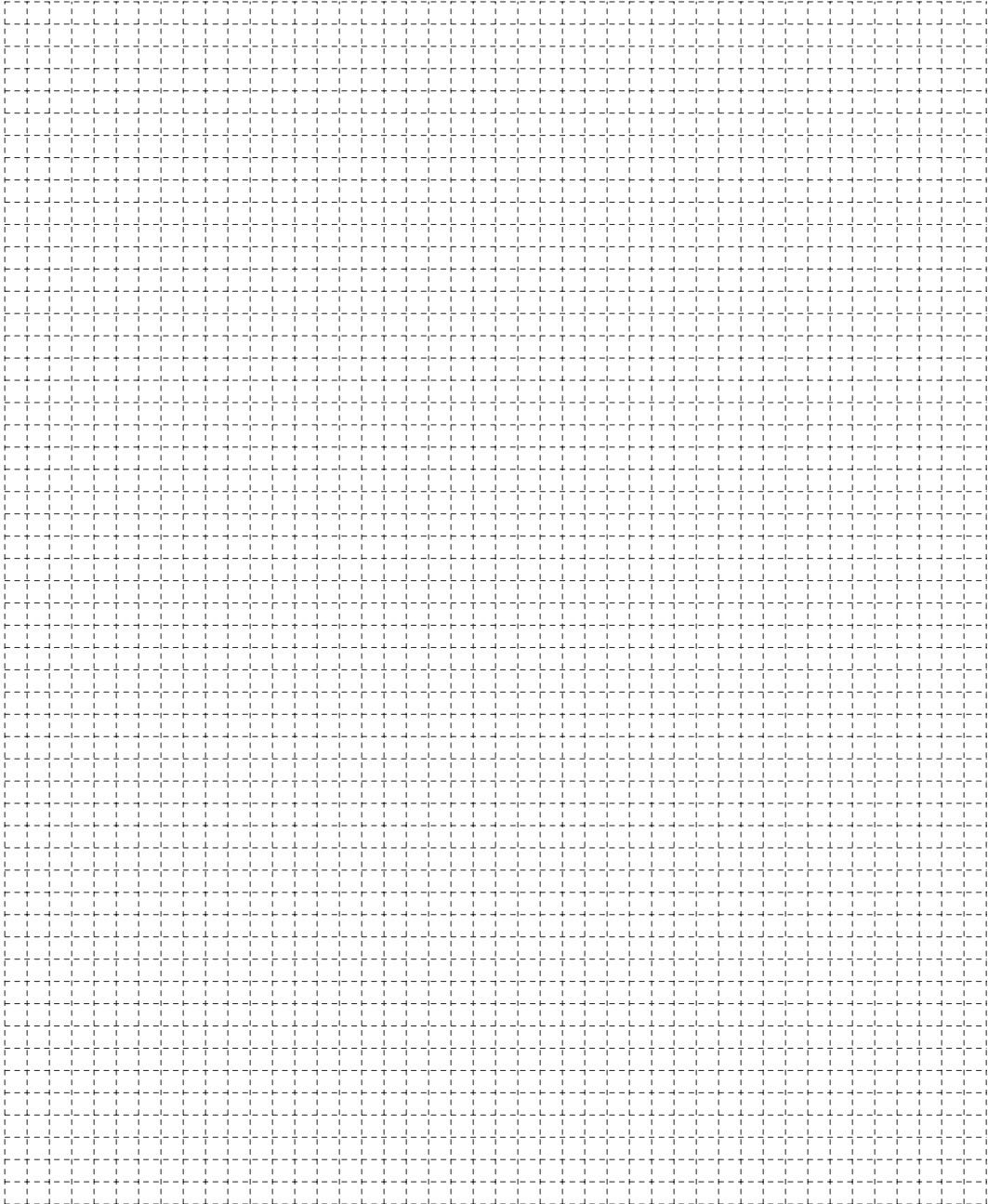
Your Wiring Configuration

External Access Control Device (s) connected to optional board(s)

Device 0 (Default Internal Keypad) _____

J400 Position

Device 1 _____

Device 2 (Wiegand Only) _____

J407 Position

Device 3 _____

Device 4 (Wiegand Only) _____

Relay Connections (Output Board)

Relay 1 _____

Relay 2 _____

Relay 3 _____

Relay 4 _____

Door Connections (Input Board)

Door 1 Connection ☐ Door Sensor **and/or** ☐ Exit Device

Door 2 Connection ☐ Door Sensor **and/or** ☐ Exit Device

Door 3 Connection ☐ Door Sensor **and/or** ☐ Exit Device

Door 4 Connection ☐ Door Sensor **and/or** ☐ Exit Device

Postal Lock ☐ Yes ☐ No

AutoCall Device ☐ Yes ☐ No

CCTV Camera ☐ Yes ☐ No

Dealer / Installer
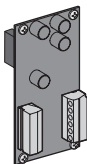
Wiegand Module Kit
WOMODKT
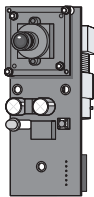
Black and White Camera Kit
EL25BWCAMKT
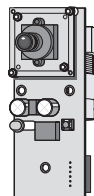
Low Lux DVR Color Camera Kit
EL25DVRCAMKT
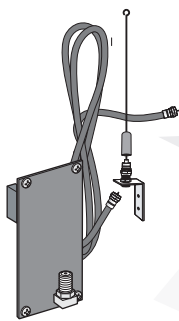
Color Camera Kit
EL25CCAMKT

RF Module Kit
RFMODKT

Wiegand Remote Keypad
ESSWOKSG

Wiegand Remote Keypad/Prox Combo
HIDWOKPRO

Versa XS Software
VERSWR10

FCC and DOC Requirements

FCC Requirements

The EL25 system complies with Part 68 of the FCC Rules. The label affixed to this equipment contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company. They will tell you what the maximum REN is for your calling area.

The following jacks must be ordered from the telephone company in order to interconnect this equipment with the public communication network: None.

If your EL25 system causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. If advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your Telephone Company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do you will be notified, in advance, to give you an opportunity to maintain uninterrupted telephone service.

Connections to party lines are subject to state tariffs. Contact your local telephone company if you plan to use this equipment on party lines.

This equipment cannot be used on public coin service lines provided by the telephone company.

DOC Requirements

Notice: The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational, and safety requirements. The Department does not guarantee the equipment will operate to the user's 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 an acceptable method of connection. In some cases, the company's inside wiring associated with single line individual service may be extended by means of a certified connector assemble (telephone extension cord). 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 made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

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

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

The **Load Number (LN)** assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop, which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100. The Load Number for the EL25 is 3.

Appendix

Appendix

Wiring

Telco Line Connections

Wiegand Module

Notes

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ELITE™