eVolve Video Entry

Access Control Systems

Install / Owner's Manual

Use this manual for eVolve Circuit Board 1989-010 Revision 4.1

2137-065-B-11-26

26, 30, 31-Bit **Wiegand** Compatible

2137

8" Full Color LCD Display



On-Line programming and storage of data to prevent loss

Register your Entry System at:
https://www.doorking.com/dks-easy-connect/dks-registration/

2132

5" Full Color LCD Display
Compact Design



IMPORTANT: **The "DKS Community App" is REQUIRED on residents cell phone for video calling.**

Download the App **(DKS Community App)** at:

ANDROID APP ON Google play

Available on the iPhone App Store

Android-version 8 or higher OR **iphone 6-with IOS 9 or higher**

DKS Community App

Date Installed: _____

Installer/Company Name: _____ Model Number _____

_____

Phone Number: _____ Circuit Board Serial Number and Revision Letter: _____

Leave Manual with Owner

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DKS DOORKING®

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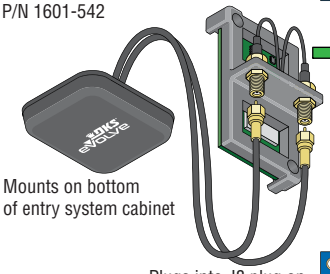
Expansion Options for the eVolve Video Entry System

Cellular

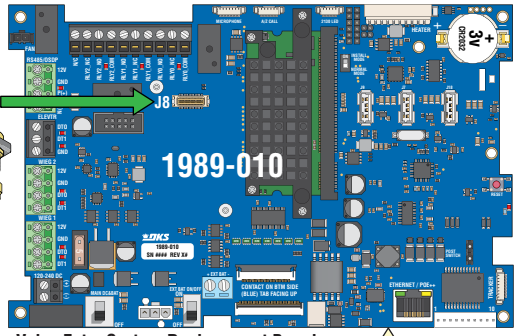
DKS Cellular Module with Antenna
P/N 1601-542



Mounts on bottom of entry system cabinet

Plugs into J8 plug on 1989 Entry System Board

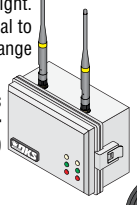
eVolve Entry System Circuit Board



eVolve Entry System Replacement Board
Wiegand Communication
P/N 1989-010

Tracker Board Enclosures & Antenna Options

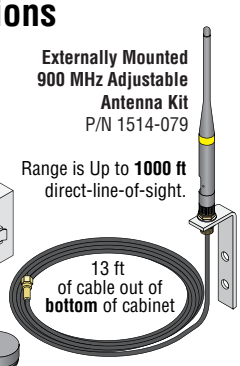
Range is Up to **1000 ft** direct-line-of-sight. Repeats signal to extend range



900 MHZ Wireless Dual Band Repeater
P/N 2332-080

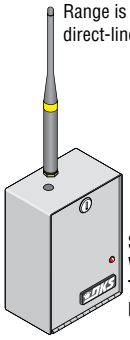
Externally Mounted 900 MHz Adjustable Antenna Kit
P/N 1514-079

Range is Up to **1000 ft** direct-line-of-sight.



13 ft of cable out of **bottom** of cabinet

Range is Up to **1500 ft** direct-line-of-sight.



Single 900 MHz Wireless Tracker Board Enclosure

2358 Tracker board & Power supply
P/N 2351-085

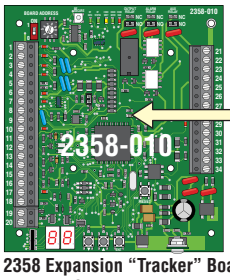
900 MHz Disc Antenna included with Entry System

Range is Up to **200 ft** direct-line-of-sight.

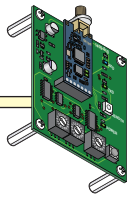


Single Tracker Board Enclosure
2358 Tracker board & Power Supply
P/N 2351-080

Expansion "Tracker" Board Wireless Options



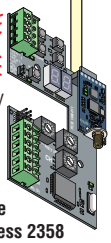
2358 Expansion "Tracker" Board
Wiegand Only
P/N 2358-010



900 MHz

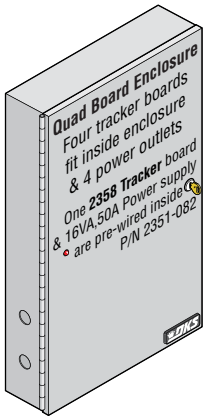
Piggybacks on **2358 Tracker Board ONLY**

Piggybacks on 1989 Entry System Board



1470 Wireless RF Remote Module
P/N 1470-080

eVolve Wireless 2358 Baseboard Module
P/N 2137-101



Mounts on Tracker enclosures.

Range is Up to **1500 ft** direct-line-of-sight.

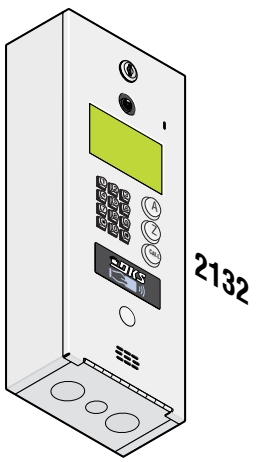
Cabinet Mounted 900 MHz Antenna Kit
P/N 1514-019

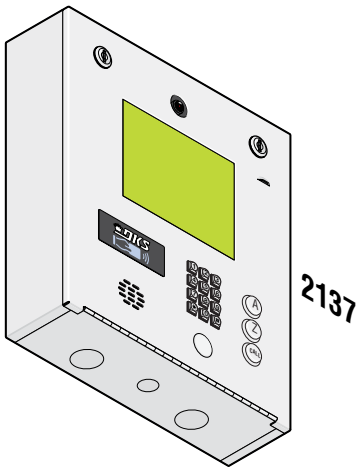


Single tracker board fits inside enclosure. not included

Built-In Card Reader with Lighting:
DK Prox Reader - P/N 1815-333
HID Reader - P/N 1815-392
AWID Reader - P/N 1815-292

FEATURES





- **Flush mount** kit or protective **Hood** cover optional.
- Integrated full color **Video Camera** and **Recorded Playback** saved and retrievable (different service package options).
- "**LIVE**" **transaction viewing** using the free **DKS Community app**.
- Control the entry system's **3 relays** directly through the **DKS Community app**.
- Full **Color LCD Display** screen on entry system: **2132** (5") - 4.25 w x 2.625 h **or** **2137** (8") **-** 6.50 w x 4.875 h
- **Standard** (Default) **Internet Connection** to **YOUR existing network internet connection**. **No** additional monthly fees required.
- An **OPTIONAL cellular module** internet connection is available, an **additional** monthly cellular connection fee required.
- **PoE + + (Type 3) RJ45 connection** can **power the entry system** AND connect to **YOUR existing network internet** using the correct RJ45 PoE++ 60w plug connector **if available** on YOUR network.
- ALL entry system **programming** and **storage of data** takes place on-line, via the internet to prevent data loss.
- Provides service for up to **10,000 Residents**.
- **10,000 Entry Codes** (4 or 5 digits) can be used and randomly assigned. They can be **scheduled** as desired.
- **Device Codes**, up to 25 per user.
- 20 different **Facility Codes** can be stored on system. They can be **enabled** or **disabled** as desired.
- **Three internal relays** allow the system to control a main entry point plus two additional entry points.
- System can be expanded to **control up to 48 (wired) or 24 (wireless) remote entry points** in addition to the main entry point. Expansion "Tracker" boards are required (one for each remote entry point) and are not included with the system.
- Internal relays can be controlled by **Wiegand** communication.
- **Transaction buffer** stores the **last 6 months of events** and has a backup power source to retain memory during power outages.
- 31-security levels total (security level 00 always denies entry, security level 01 always admits entry), with 29 programmable security levels, each with four time zones allows you to control and restrict user access as needed.
- System interfaces with **selected** models of DKS **DoorKing vehicular gate operators** to provide gate **operator information and data** (requires a Expansion "Tracker" board for each gate operator that is to send data to the system).

Included with the system is an extra random keyed cabinet lock(s). If desired, for added security against unauthorized entry into the system, the standard lock(s) may be replaced with the random lock(s).
Note: DoorKing cannot replace this specific lock(s) or keys if lost.



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Important Notices

Notice: DoorKing does not provide a power transformer on units sold into Canada. Use only transformers that are CSA listed to power the telephone entry system. The 2100 Series requires a 12-24 volt DC transformer.

UL 294 Performance Levels:

Destructive Attack:	Level I (Level II with Optional Hood Installed)
Line Security:	Level I
Endurance:	Level IV
Standby Power:	Level I (Level II with 12 VDC, 1.5 amp/hr, required for
Single Point Locking Device with Key Locks:	Level I Canadian certification)

Glossary

ACCESS CONTROL SYSTEM: A collection of means, measures and specific practices that when combined, form or compose a systematic approach, which enables an authority to control access to areas and resources in a given physical facility. An access control system, within the field of physical security, is generally seen as the second layer in the security of a physical structure.

ALARM: A condition indicating a state of alert or tamper detection.

ALARM SIGNAL: A transmission of an alarm condition or alarm report.

CONTROLLED AREA: A room, office, building, facility, premises, or grounds to which access is monitored, limited, or controlled.

EQUIPMENT: Any part of an electronic access control system, such as access control units, reader interface modules, access point actuators, access point sensors, keypads, and the like.

PROTECTED AREA: A room, office, building, facility, premise or grounds to which access is monitored, and limited and/or controlled, whereby the authorized person of the Access Control System may grant access to non-authorized persons.

RESTRICTED AREA: A room, office, building, facility, premise or grounds to which access is monitored, and limited and strictly controlled, whereby only the administrator of the Access Control System shall issue credentials that will lead to access.

RELAY: A relay is an electrically operated switch. It has a set of input terminals for one or more control signals, and a set of operating contact terminals.

RELAY STRIKE TIME: relay strike time (or simply **strike time**) refers to the specific duration that a relay remains in an active or energized state after being triggered.

WIEGAND DEVICE: A Wiegand device is any component in an access control system—such as a key card, badge, or reader—that utilizes the Wiegand interface, a standard wiring and communication protocol for transmitting identification data. Named after inventor John R. Wiegand, these devices traditionally rely on the Wiegand effect, a magnetic phenomenon that generates electrical pulses to represent **binary data** ("**0**"s and "**1**"s).

RS 485 DEVICE: An RS 485 device is any piece of equipment that uses the TIA/EIA-485 standard to transmit and receive data over a serial network. This standard defines **ONLY** the **physical layer**—the **electrical characteristics** of the signals—rather than the specific communication protocol or "language" used between devices.

"DAISY CHAIN" RS 485 CONNECTION: RS 485 daisy chain wiring is a **linear** connection method where devices are linked one after another in a **single serial line**. This topology is the industry standard for RS 485 because it **minimizes signal reflections** and interference, ensuring reliable data transmission **over long distances**.

ENTRY SYSTEM HARDWIRED CONNECTION: A hardwired entry system is a security or access control setup where all components—such as entry panels, monitors, locks, and sensors—are physically connected using permanent cabling. Unlike wireless systems that use Wi-Fi or radio signals, **these systems rely on wires** (typically copper or Ethernet) run through walls, ceilings, or floors to transmit data and power.

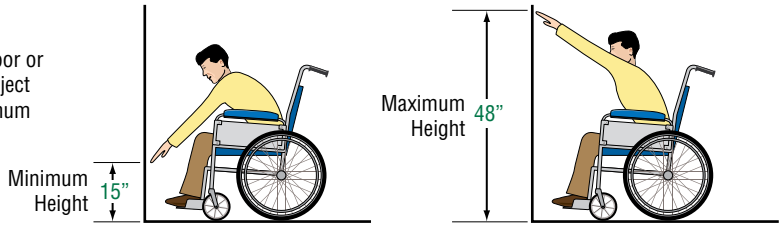
ENTRY SYSTEM WIRELESS CONNECTION: An entry system wireless connection is a communication method that allows building access components—such as an entrance base station and interior substations (like smartphones or wall monitors)—to exchange data **without physical cables**. Instead of hardwiring, these systems use signals like **Wi-Fi**, **cellular** networks (4G/5G), or **radio frequencies** to transmit audio, video, and door-release commands.

DoorKing EXPANSION "TRACKER" BOARD: A DKS Tracker Expansion Board is a hardware component used to **increase the number of entry points** (doors or gates) that a DoorKing (DKS) controller can manage. These boards act as an interface between the main controller and peripheral devices like card readers or keypads.

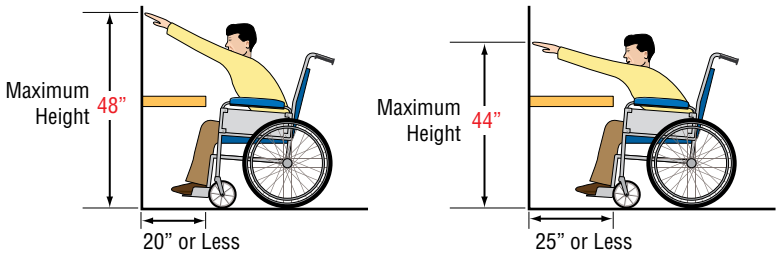
General Information

- Prior to beginning the installation of the entry system, we suggest that you become familiar with the instructions, illustrations, and wiring guidelines in this manual. This will help insure that you installation is performed in an efficient and professional manner.
- The proper installation of the **entry enclosur**e is an **extremely important** and integral part of the overall access control system. Check all local building ordinances and building codes prior to installing this system. Be sure your installation is in compliance with local codes.
- When used to control a door or pedestrian gate, try to locate the entry system as near as possible to the entry point. The unit should be mounted on a rigid wall to prevent excessive shock and vibration from closing doors or gates. Continuous vibration and shock from slamming doors or spring-loaded pedestrian gates will damage the circuit board. **Under no circumstances should the unit be mounted directly to a moving door or gate.**
- **ADA mounting requirements for door control (Ref: ICC/ANSI A117.1-2009).** The requirements below apply **ONLY** when the entry system is being used to control entry through **A PUBLIC DOOR ONLY**. If this system is used to control entry through a **vehicular gate** or **private entrance**, the dimensions noted below **do not apply**.

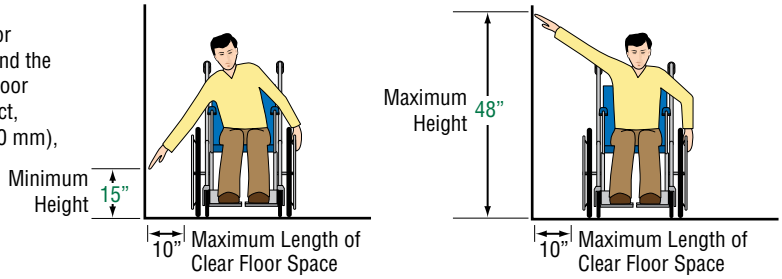
1. UNOBSTRUCTED Forward Reach. Where a clear floor or ground space allows only a forward approach to an object and is **unobstructed**, mounting height shall be a minimum of **15 inches** (381 mm), and a maximum of **48 inches** (1.22 m), above the floor or ground to the operable controls.



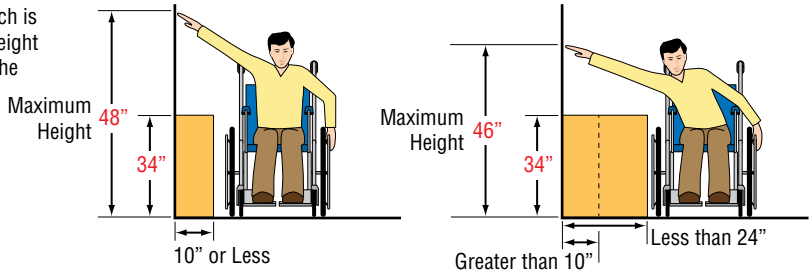
2. OBSTRUCTED HIGH Forward Reach. If the high forward reach is over an obstruction, reach and clearances shall be as shown. **NOTE: If the height of a control is 48" maximum, then the length of the obstruction must be 20" or less. If the height of a control is 44" maximum, then the length of the obstruction may be increased to 25" or less.**



3. UNOBSTRUCTED Side Reach. Where a clear floor or ground space allows a parallel approach to an object and the side reach is **unobstructed**, and the edge of the clear floor space is **10 inches** (255 mm) maximum from the object, mounting height shall be a minimum of **15 inches** (380 mm), and a maximum of **48 inches** (1.22 m), above the floor or ground to the operable controls.



4. OBSTRUCTED HIGH Side Reach. If the side reach is over an obstruction **10 inches or less**, mounting height shall be a maximum of **48 inches** (1.21 m) above the floor or ground to the operable controls. If the side reach is over an obstruction **greater than 10 inches**, but **less than 24 inches**, mounting height shall be a maximum of **46 inches** (1.17 m) above the floor or ground to the operable controls.

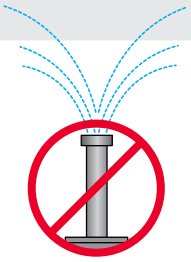


- **When used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that a person cannot operate the entry system and/or touch the gate or gate operator at the same time.**
- Be sure that the system is installed so that it is not directly in the traffic lane. Goose neck mounting post and kiosks work well for these type systems. When planning where to locate the system, take into consideration traffic lane layouts, turn around lanes for rejected access, conduit runs, power availability, etc.
- Environmental factors must also be taken into account. The units are designed for direct outdoor installations, however it is preferable to protect them from direct exposure to driven rain or snow whenever possible.
- This entry system contains a number of static sensitive components that can be damaged or destroyed by static discharges during installation or use. Discharge any static prior to removing the circuit board from the lobby panel by touching a proper ground device.
- **Instruct the end user to read and follow these instructions. Instruct the end user to never let children play with or operate any access control device. This Owner's Manual is the property of the end user and must be left with them when installation is complete.**

SECTION 1 - INSTALLATION

Prior to installing the video entry system, we suggest that you become familiar with the instructions, illustrations, and wiring guidelines in this manual. This will help insure that you installation is performed in an efficient and professional manner.

First you **MUST** determine how you would like to connect your **video entry system to the INTERNET**. The method **YOU choose** is dependent on the type of connection **available** at the entry system location. There are **TWO types** of internet connections:
(See **Section 2.4 (Your Internet) or (Cellular) Connection Options** for more information)



DO NOT install the entry system next to landscape sprinklers or in any area that may expose the system to **direct driven water**.

1 **Cellular Internet connection** – uses **DKS cellular module** with **AT&T or Verizon.**

2 **Your Existing Internet connection** – uses **third party provider** of **YOUR** own choosing.

Note: After **choosing** your connection type, you may need to **purchase additional equipment** or devices **before** your installation can be completed, see "**Optional accessories for entry system**" on page 23.

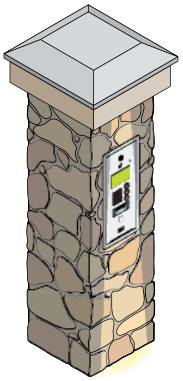
1.1 General Installation

There are different ways to mount the 2132 (page 7) or 2137 (page 8), On a wall, in a wall, attached to a architectural style post, kiosk, etc. It will need **power** and **communication** wires run to it in conduits or inside a architectural style post. Feed all of the wires through the back or bottom of the entry system using the existing knock-outs provided in the enclosures. **DO NOT** make any new holes in the enclosure to feed wires through. It's best to keep the entry system's wires away from any existing **high voltage power wires**. Using **shielded cables** helps protect the communication wiring between the access device(s) and the entry system from getting interrupted in **electrically noisy environments**. The entry system **MUST** also be **properly grounded** to function correctly.

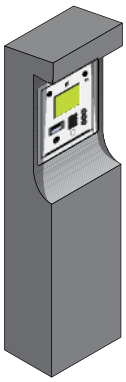
If possible, when OUTSIDE, mount out of **direct sunlight** and protect from **adverse weather**.



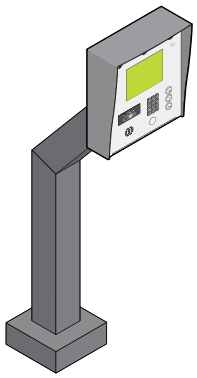
On an **OUTSIDE** Wall



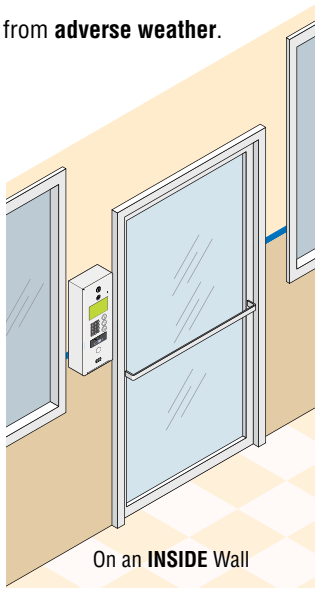
In a Lighted Kiosk (Optional Flush Mount Shown)



DoorKing Self-Standing Lighted Kiosk for 2137 **ONLY**, (Optional Flush Mount Kit **Required**)



On a Architectural Style Post (Optional Protective Hood Shown)



On an **INSIDE** Wall

WARNING **If this access control system is used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that the user cannot come into contact with the gate or gate operator when using this entry system.**

The entry system contains a number of static sensitive components that can be **damaged** or **destroyed** by static discharges during installation. **Discharge any static prior to removing the circuit board by touching a proper ground device. GREAT** care must be taken after removing the components from the enclosure to protect them throughout the installation. Carelessness on your part is **NOT** covered under warranty. Make sure **ALL** dirt, metal or wood debris is removed from inside the enclosure after mounting it. A through cleaning of the enclosure is needed before re-installing the components back into the system and wiring it. Any debris left inside could damage the control board and cause the entry system to malfunction during operation.

Included with the system is an extra random keyed cabinet lock(s). If desired, for added security against unauthorized entry into the system, the standard lock(s) may be replaced with the random lock(s). Note: DoorKing cannot replace this specific lock(s) or keys if lost.

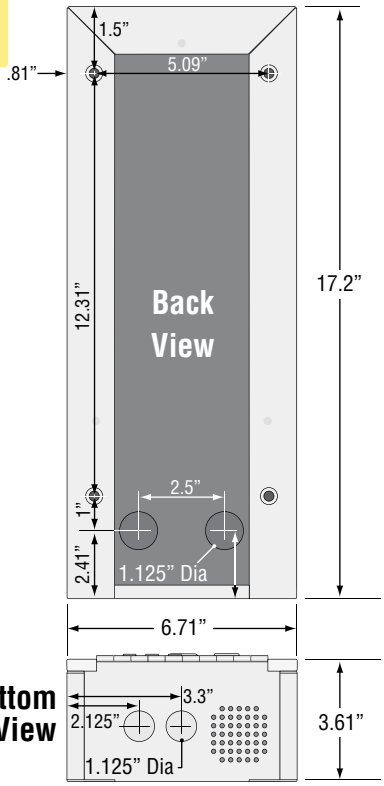
1.2 Model 2132 Dimensions and Options

2132 can be mounted directly to a wall, pilaster, post mounted using a **OPTIONAL** DoorKing architectural style mounting post or recessed in a wall (**OPTIONAL** Flush Mount Kit). The **OPTIONAL** Hood can be mounted to enclosure if desired. Be sure the unit is mounted securely and is not subject to vibration from closing doors or gates.

Note: Self-Standing Lighted Kiosk is **NOT** offered for the 2132 model.

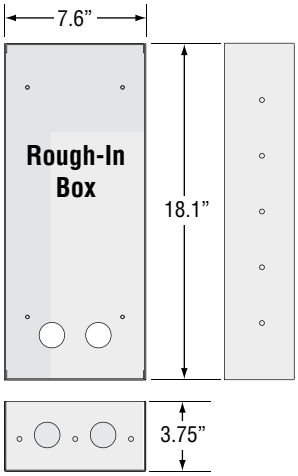
WARNING! If this entry system is used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that a person cannot operate the entry system and touch the gate or gate operator at the same time.



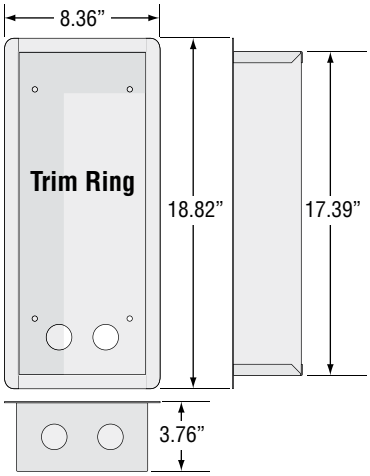


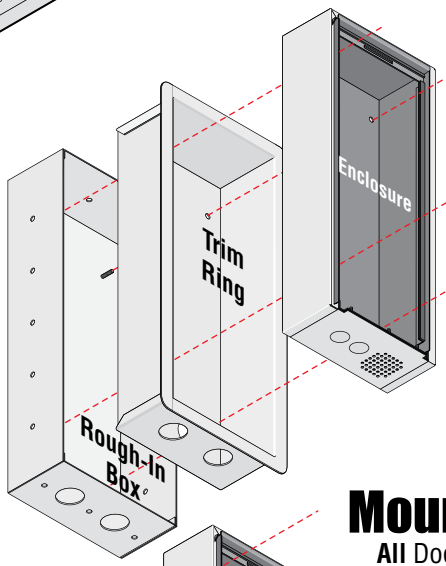
OPTIONAL Flush Mount

Rough-In Box P/N 2132-206



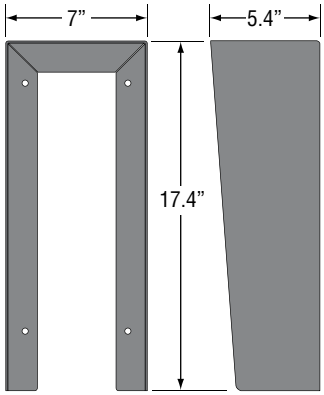
Trim Ring P/N 2132-205

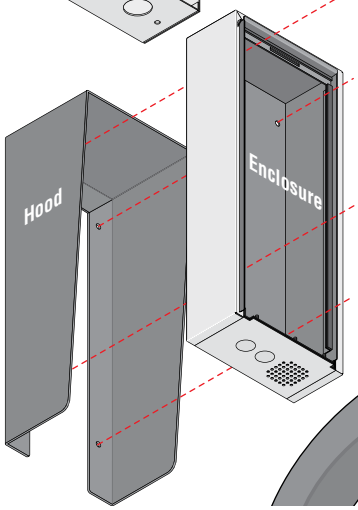




OPTIONAL Hood

Stainless Steel P/N 2132-207
Black P/N 2132-208

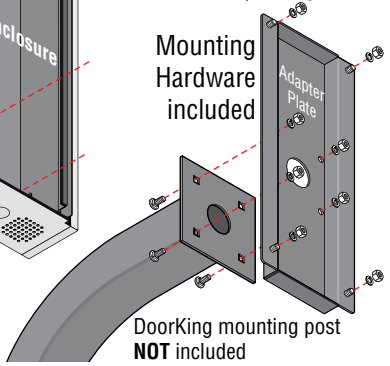




Adapter Mounting Kit

All DoorKing **mounting posts** need the **Adapter Plate** to mount the 2132 P/N 2132-111

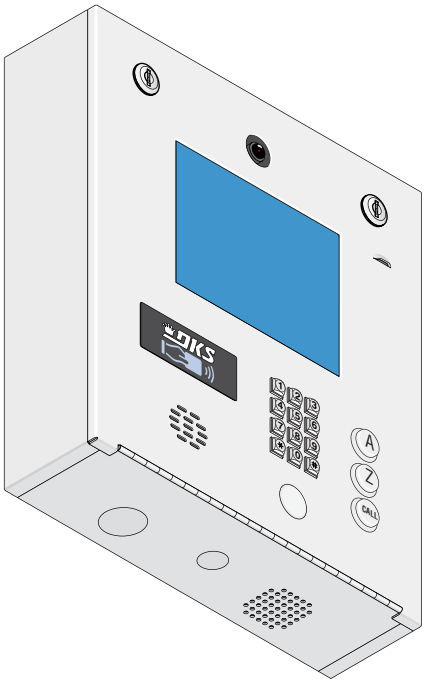
Mounting Hardware included

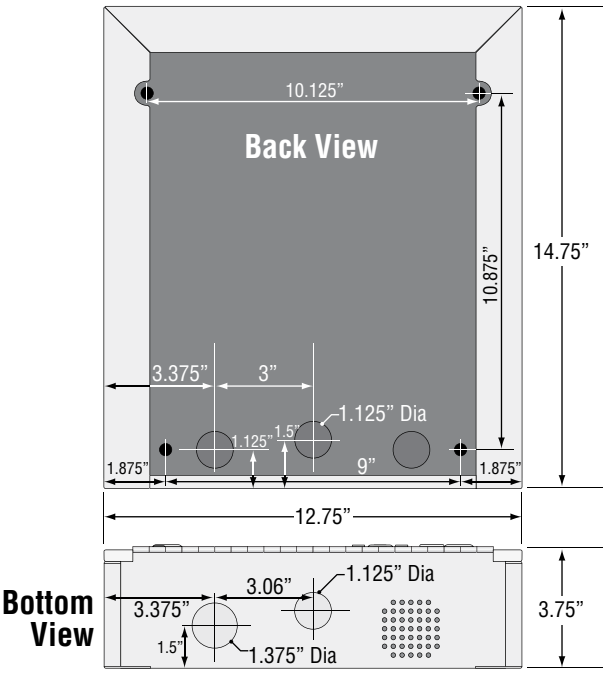


DoorKing mounting post **NOT** included

1.3 Model 2137 Dimensions and Options

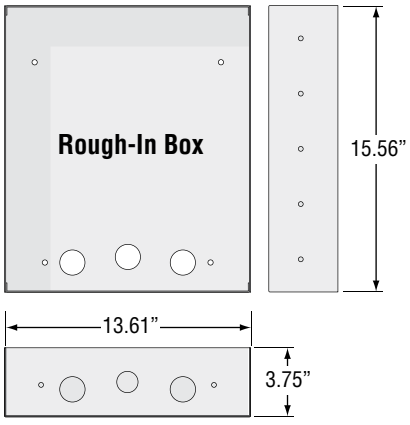
2137 can be mounted directly to a wall, pilaster, post mounted using a **OPTIONAL** DoorKing architectural style mounting post, recessed in a wall (**OPTIONAL** Flush Mount Kit) or a self-standing lighted kiosk. The **OPTIONAL** Hood can be mounted to enclosure if desired. Be sure the unit is mounted securely and is not subject to vibration from closing doors or gates.

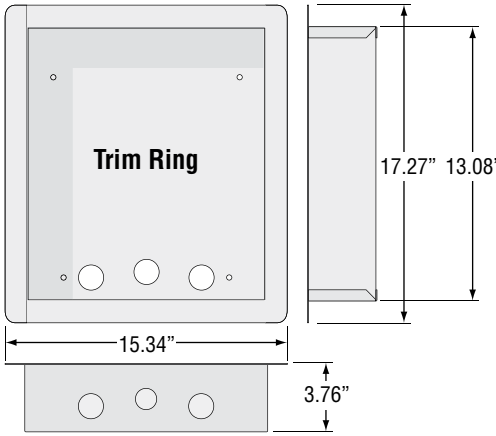


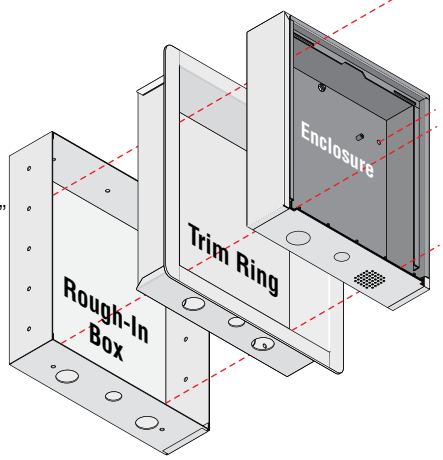


WARNING! If this entry system is used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that a person cannot operate the entry system and touch the gate or gate operator at the same time.

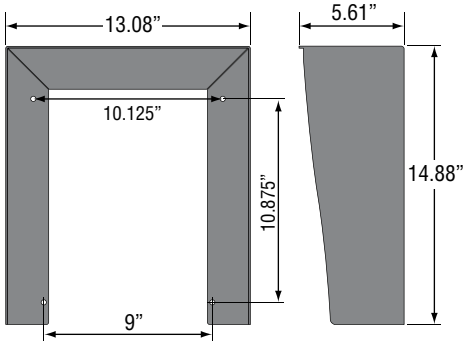
OPTIONAL Flush Mount Kit (P/N 1814-200)

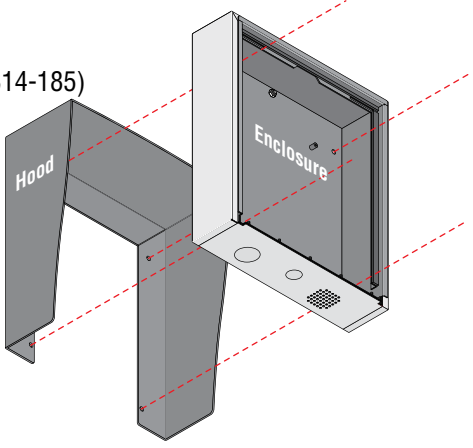






OPTIONAL Hood (Stainless Steel P/N 1814-180, Black P/N 1814-185)





1.4 Remove Components from Enclosure

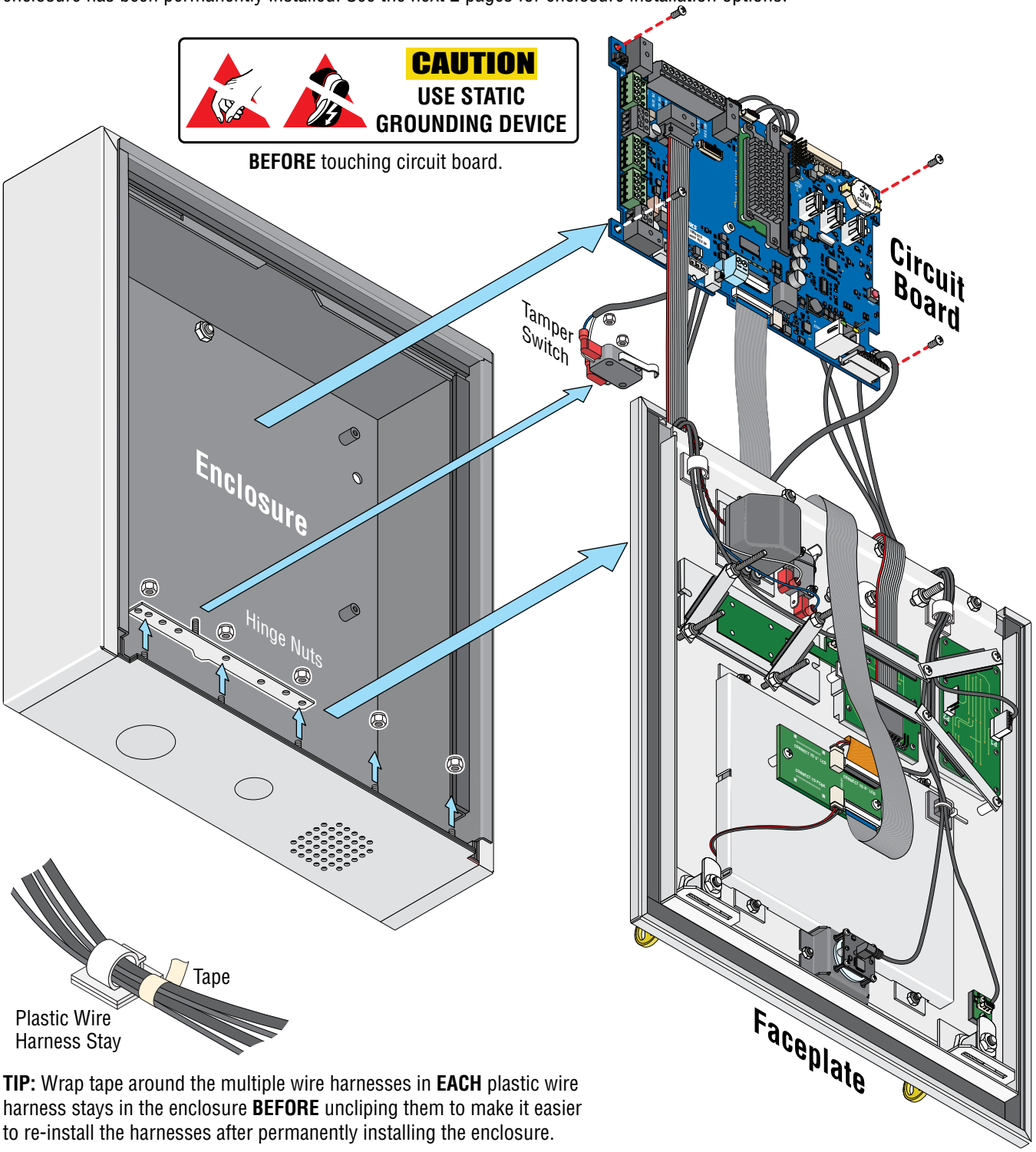
Disassembly of the **2132** is basically the same as the **2137** shown here, just different component orientation.

1. Remove the four screws from the corners of the circuit board.

2. Unclip the plastic wire harness stays in enclosure, see "**TIP**" below.

3. Unbolt the five (5) locknuts-**2137** or 3 locknuts-**2132** from the faceplate hinge which will also free the tamper switch.

4. GENTLY remove ALL components from enclosure and store them in a **Safe Place** until they need to be re-installed after enclosure has been permanently installed. See the next 2 pages for enclosure installation options.



TIP: Wrap tape around the multiple wire harnesses in **EACH** plastic wire harness stays in the enclosure **BEFORE** uncliping them to make it easier to re-install the harnesses after permanently installing the enclosure.

1.5 Installation Options

The illustrations below and next page show **typical** installations but **specific** installations **can vary** from this. See pages 6 or 7 for your specific model's dimensions and options.

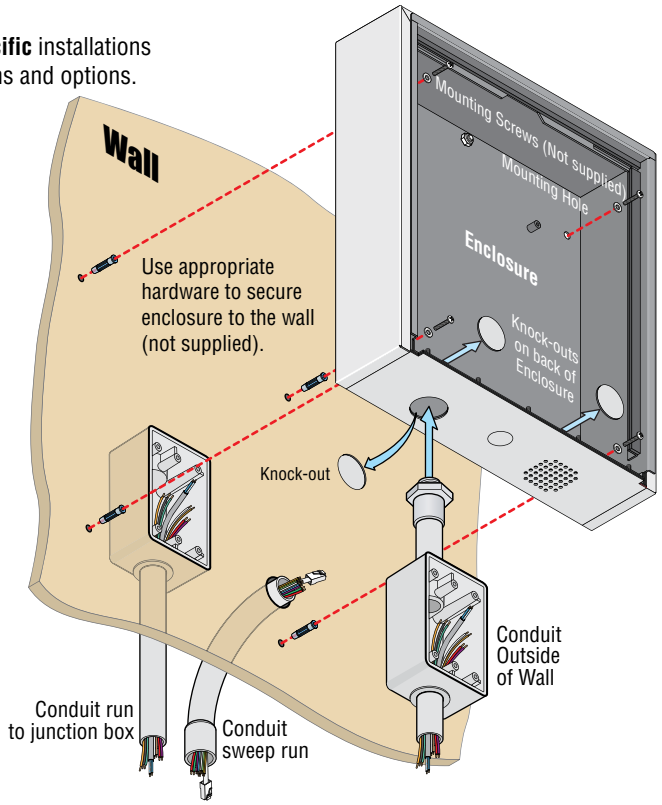
1. Mount the enclosure using the mounting holes provided in the corners. Be sure that mounting screws (Not supplied) do not protrude into the enclosure where they could cause a short on the back of the circuit board. Make any necessary conduit connections through the back or bottom of the enclosure using the existing conduit knock-outs. **DO NOT** make any new conduit holes in the enclosure. The 2132 may require the adapter plate for installation.

2. Route all wiring through conduit or an architectural post (not supplied) into enclosure.

3. Clean out the enclosure after it has been installed. Make sure that all dirt, metal and/or wood debris is removed.

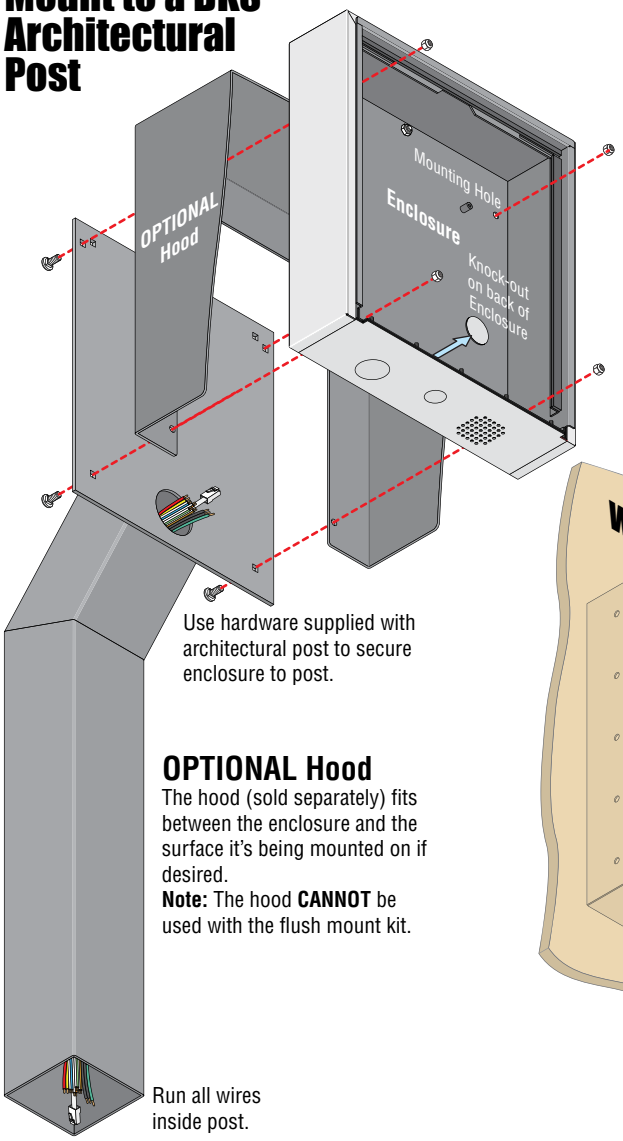
4. Re-install components back into the enclosure (Reverse section 1.4 steps). Use the wiring schematics in the back of this manual to help re-install the components if necessary.

Mount ON a Surface



Examples of conduit runs that may be used, depending on how you choose to run the wiring. Some installations will allow the conduit to be run outside the wall and connect to the bottom of the enclosure but this is generally **NOT** recommended.

Mount to a DKS Architectural Post

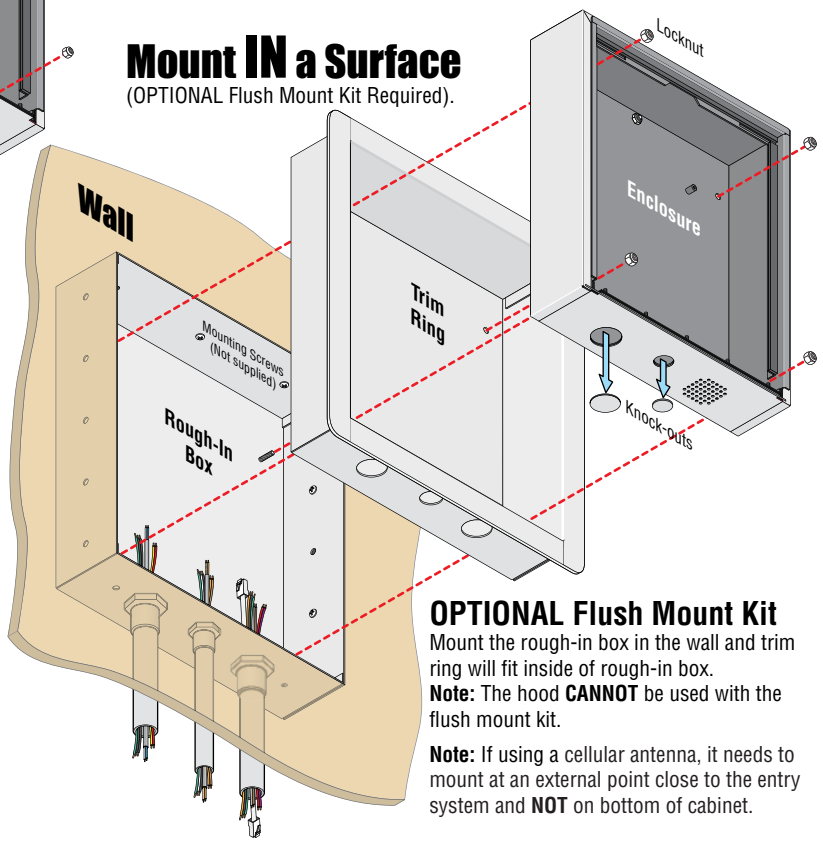


OPTIONAL Hood

The hood (sold separately) fits between the enclosure and the surface it's being mounted on if desired.
Note: The hood **CANNOT** be used with the flush mount kit.

Mount IN a Surface

(OPTIONAL Flush Mount Kit Required).



OPTIONAL Flush Mount Kit

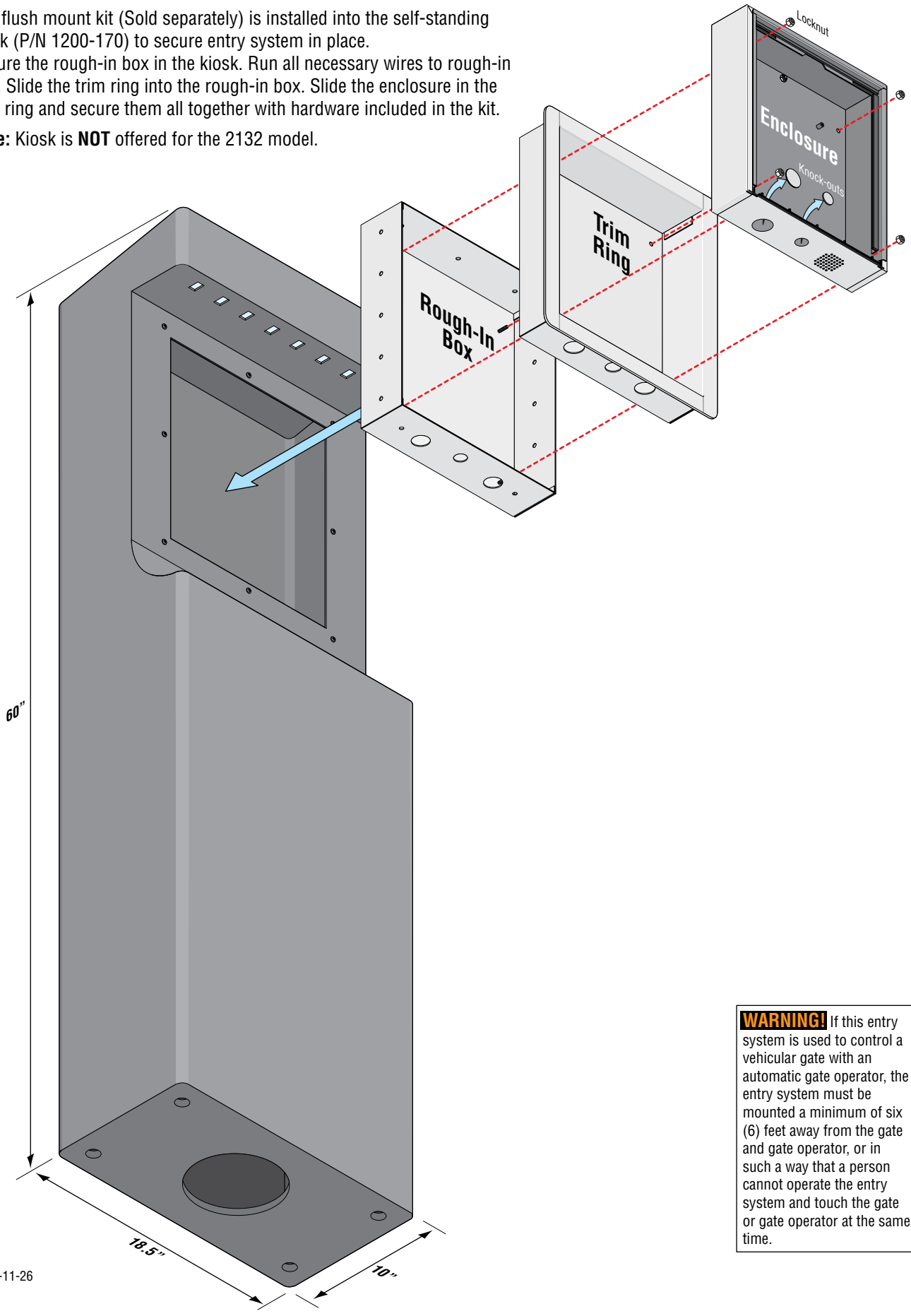
Mount the rough-in box in the wall and trim ring will fit inside of rough-in box.
Note: The hood **CANNOT** be used with the flush mount kit.

Note: If using a cellular antenna, it needs to mount at an external point close to the entry system and **NOT** on bottom of cabinet.

Mount 2137 in a OPTIONAL Self-Standing Lighted Kiosk

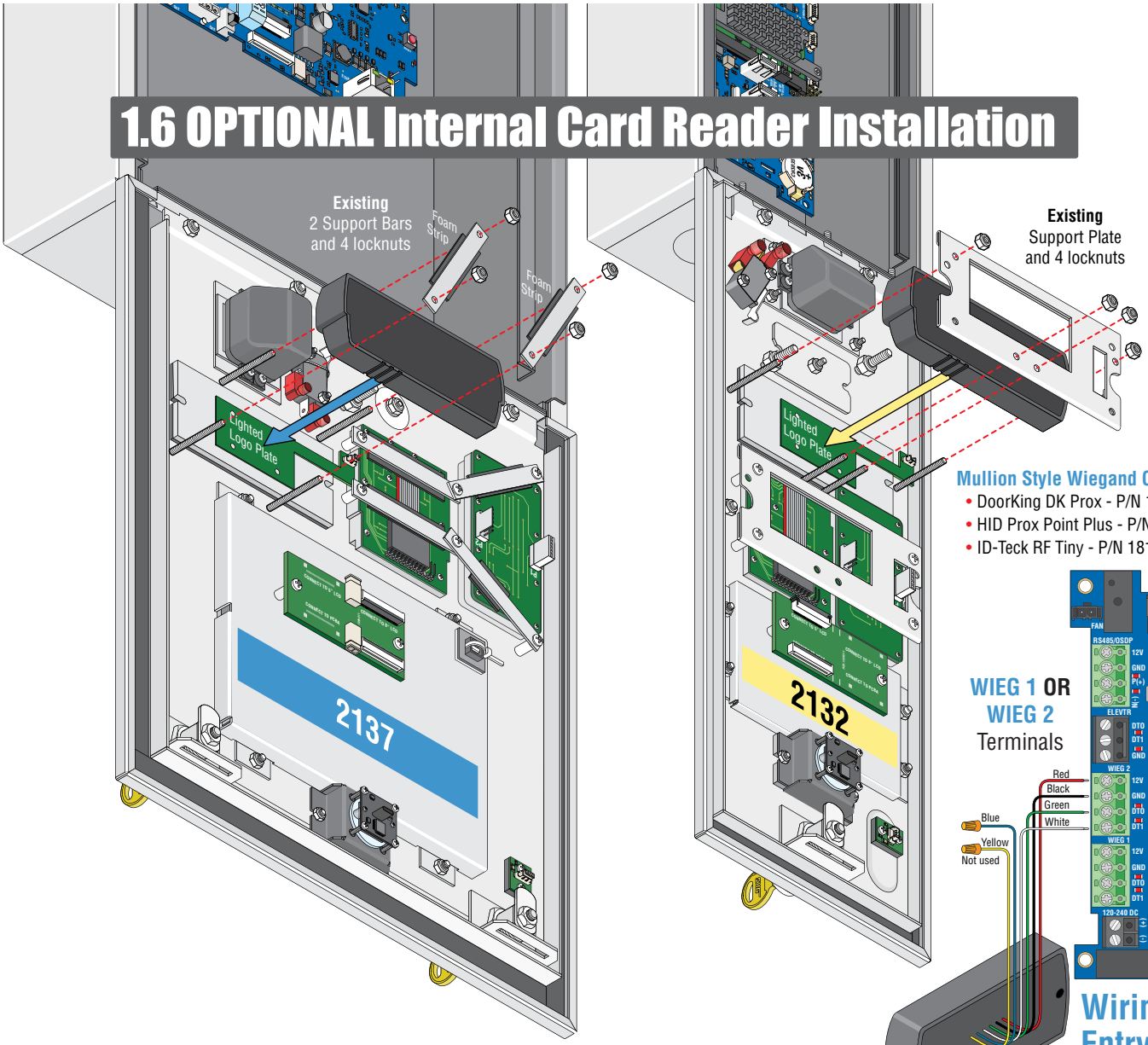
The flush mount kit (Sold separately) is installed into the self-standing kiosk (P/N 1200-170) to secure entry system in place.
Secure the rough-in box in the kiosk. Run all necessary wires to rough-in box. Slide the trim ring into the rough-in box. Slide the enclosure in the trim ring and secure them all together with hardware included in the kit.

Note: Kiosk is **NOT** offered for the 2132 model.



WARNING! If this entry system is used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that a person cannot operate the entry system and touch the gate or gate operator at the same time.

1.6 OPTIONAL Internal Card Reader Installation



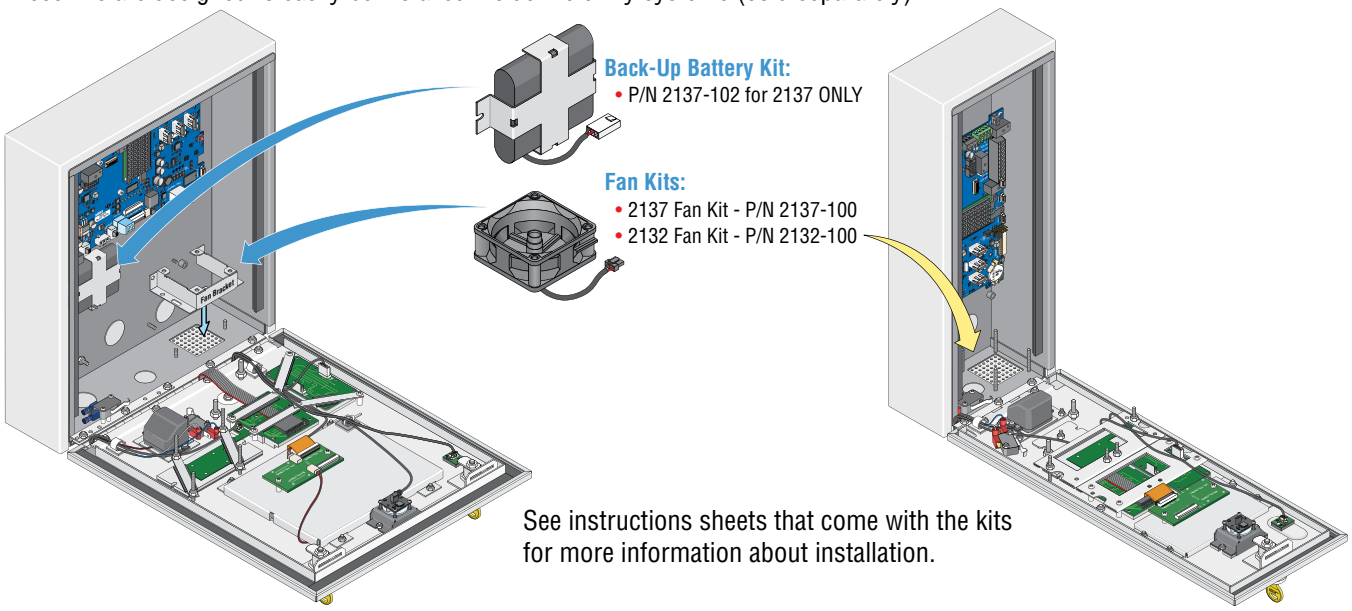
Mullion Style Wiegand Card Readers:

- DoorKing DK Prox - P/N 1815-302
- HID Prox Point Plus - P/N 1815-380
- ID-Teck RF Tiny - P/N 1815-215

Wiring Either Entry System

1.7 Additional OPTIONAL Accessories

These kits are designed to easily be installed inside the entry systems (sold separately).



Back-Up Battery Kit:

- P/N 2137-102 for 2137 ONLY

Fan Kits:

- 2137 Fan Kit - P/N 2137-100
- 2132 Fan Kit - P/N 2132-100

See instructions sheets that come with the kits for more information about installation.

1.8 OPTIONAL Postal Lock Installation

At some locations, such as gated communities, it will be necessary to **provide access to the mail carrier** so that they can deliver the mail. Mail carrier access will be provided by the installation of an **Arrow Postal Lock**. This is the same lock that the Post Office uses for gang mailboxes. **These locks are not available to the public.** The installer or the building owner/manager will have to call the Post Office and arrange for the installation of this lock into the access control system. All DoorKing commercial access control systems are designed to accept installation of a postal lock.

Prior to installation of the postal lock, be sure **power** to the entry system is **turned OFF.**

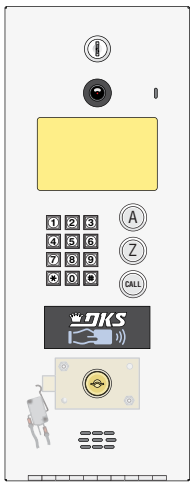
1. Unbolt the hole plug on the faceplate of the entry system.

2. Cut the wire tie wrapped around the switch **ONLY** when installing postal lock.

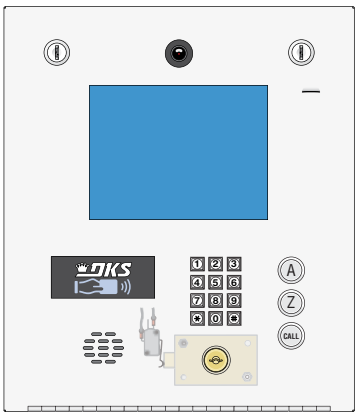
3. Remove the two hex nuts from the postal lock-mounting studs. Mount postal lock on the studs and secure with the hex nuts.

When the lock is installed, the pawl of the lock is in the **EXTENDED position** and will **DEPRESS the postal lock switch**. When the mail carrier inserts his key and turns the postal lock, the pawl is **withdrawn into the lock** and the switch **will activate the relay** for the programmed strike time, that needs to be programmed in for this feature.

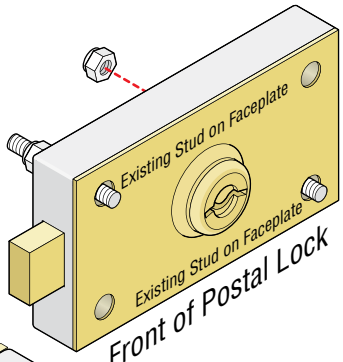
"Postal Switch" Input on Circuit Board Note: The postal switch input can have a "**Request to Exit**" button wired to it if desired. It will need to be programmed for this feature. This input will be **Disabled** if tamper switch gets activated.



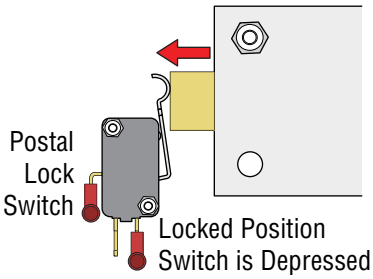
2132 Lock Position

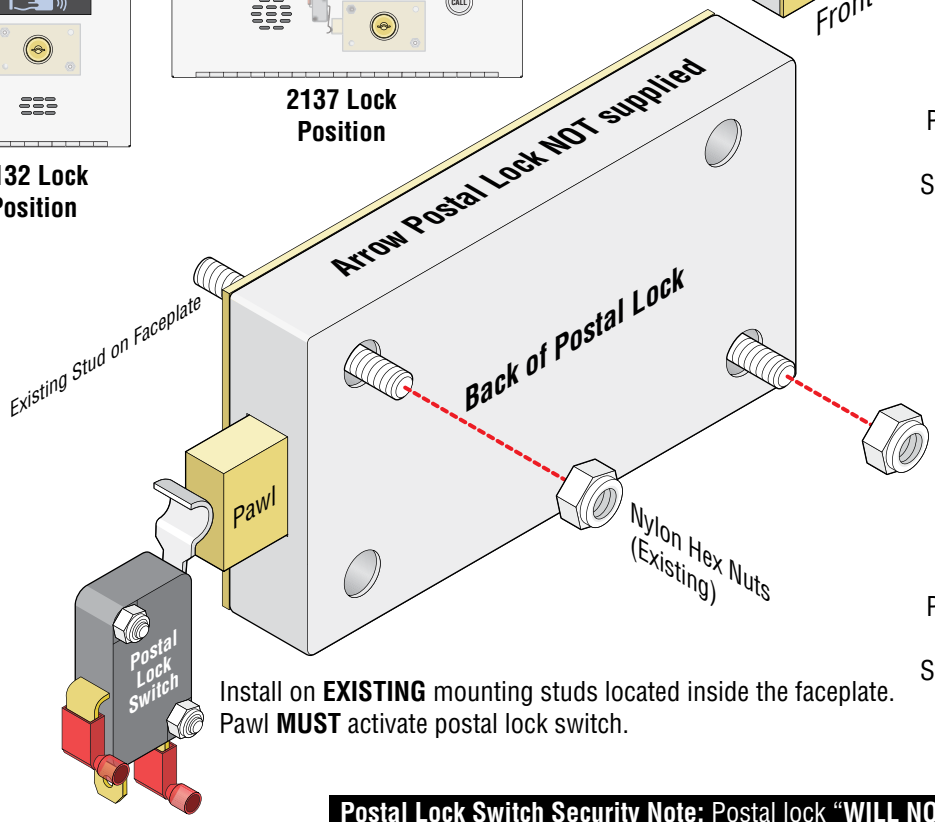


2137 Lock Position



Extended Pawl

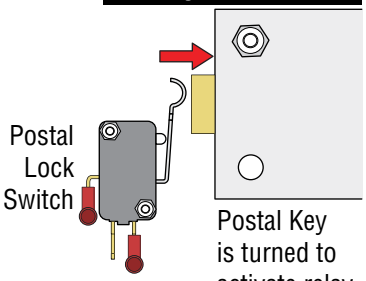




Install on **EXISTING** mounting studs located inside the faceplate. Pawl **MUST** activate postal lock switch.

Withdrawn Pawl

Relay Activates



Postal Lock Switch Security Note: Postal lock "**WILL NOT WORK**" if: the cabinet is open, the tamper switch is wired **INCORRECTLY** or the tamper switch is **NOT** wired at all.

SECTION 2 - WIRING and OTHER CONNECTIONS

Prior to installing wiring to the telephone entry system, we suggest that you become familiar with the instructions, illustrations, and wiring guidelines in this manual. This will help insure that you installation is performed in an efficient and professional manner.
The wiring of the entry panel is an extremely important and integral part of the overall access control system. Use proper wire for the communication line, power wires, and be sure that the system is properly grounded. Check all local building ordinances and building codes prior to installing this system. Be sure your installation is in compliance with local codes.

WARNING **If this entry system is used to control a vehicular gate with an automatic gate operator, the entry system must be mounted a minimum of six (6) feet away from the gate and gate operator, or in such a way that the user cannot come into contact with the gate or gate operator when using this entry system. If this unit has been installed closer to the automated vehicular gate, do not proceed with any wiring until the unit has been moved and re-installed so that it is in compliance with these instructions.**

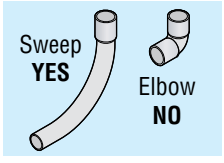
This entry system contains a number of static sensitive components that can be damaged or destroyed by static discharges during installation or use. **Discharge any static prior to removing the circuit board from the enclosure by touching a proper ground device.**

PERMANENT WIRING MUST BE EMPLOYED AS REQUIRED BY LOCAL ELECTRICAL CODES. ALWAYS ADHERE TO THE LOCAL AND NATIONAL ELECTRICAL CODE SPECIFICATIONS WHEN WIRING THE ENTRY SYSTEM/ACCESS CONTROLLER AND OTHER ACCESS CONTROL DEVICES.

2.1 General Wiring Guidelines

2.1.1 Wire Runs

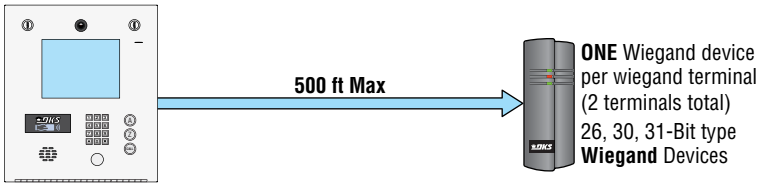
Proper pre-planning can greatly ease the installation and wiring of this system. Always check with the local building code to determine the type of wire required in your municipality.
Be sure that you use proper wire that has an insulation rated for an underground environment.
All wires should be placed in conduits. Use sweeps and **NOT** elbows for conduit.
DO NOT run high voltage power wires and low voltage wires in the same conduit.



2.2 Wiegand Connection

2.2.1 Wiegand Limitations

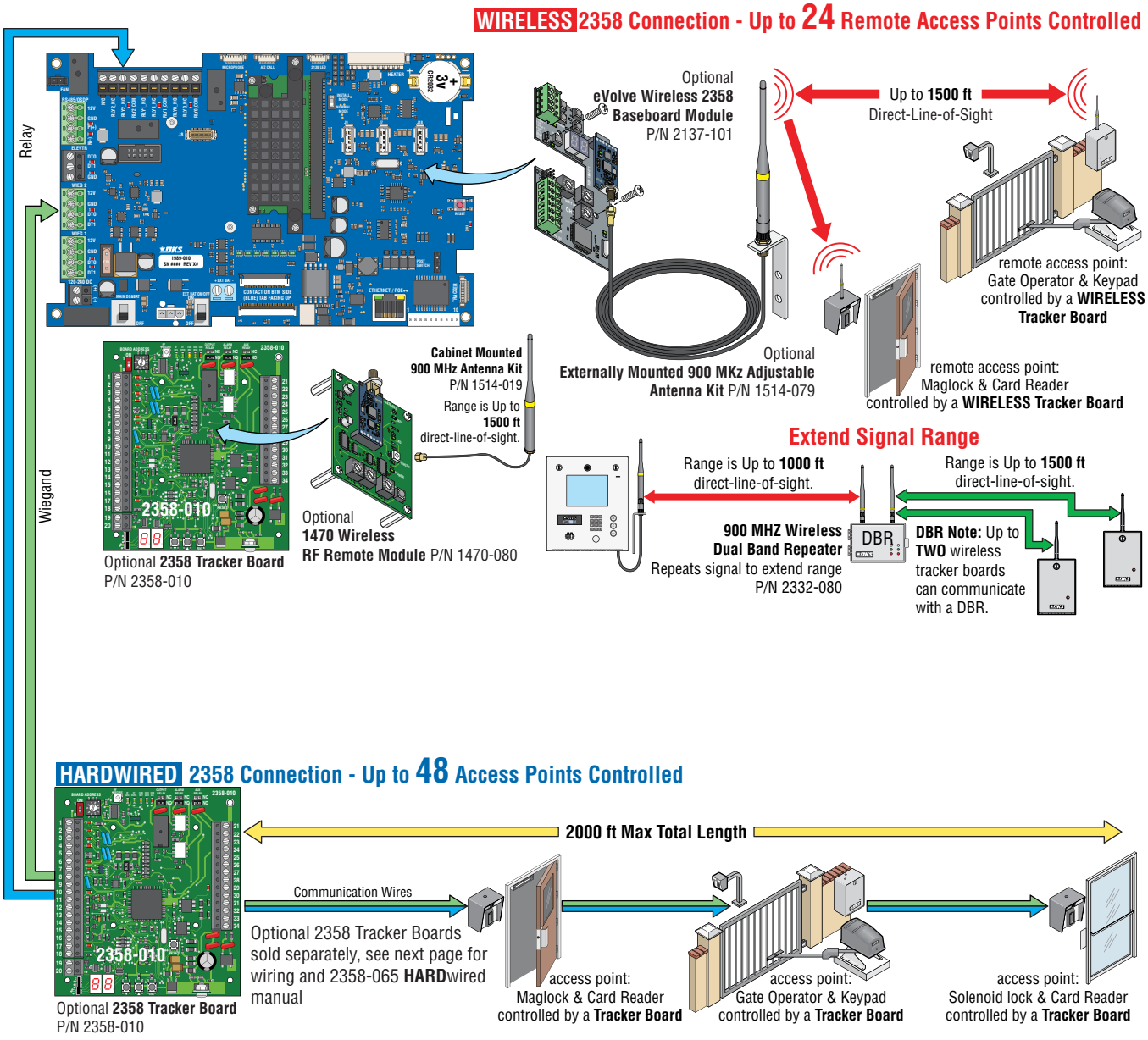
Any DoorKing Wiegand device can be used. **Wire runs are 500-feet maximum.** Use 6-conductor stranded wire with overall shield. **18, 20, 22 or 24 gauge** is sufficient for these connections.



2.2.2 2358 Expansion "Tracker" Board Connection Options

If model **2358 Expansion "Tracker" Boards** are being used with this entry system, refer to the Installation and Wiring manual that came with the 2358 Expansion Tracker boards for detailed information on **HARDwiring** boards to the eVolve entry system.

DoorKing offers a **eVolve WIRELESS 2358 baseboard module** that piggybacks on the the eVolve circuit board and a **1470 wireless RF remote module** that piggybacks on the 2358 tracker board to allow them to link **WIRELESSLY**. Refer to the Installation and Wiring manuals that come with the wireless boards for detailed information on **wiring** boards to the eVolve entry system and tracker board.

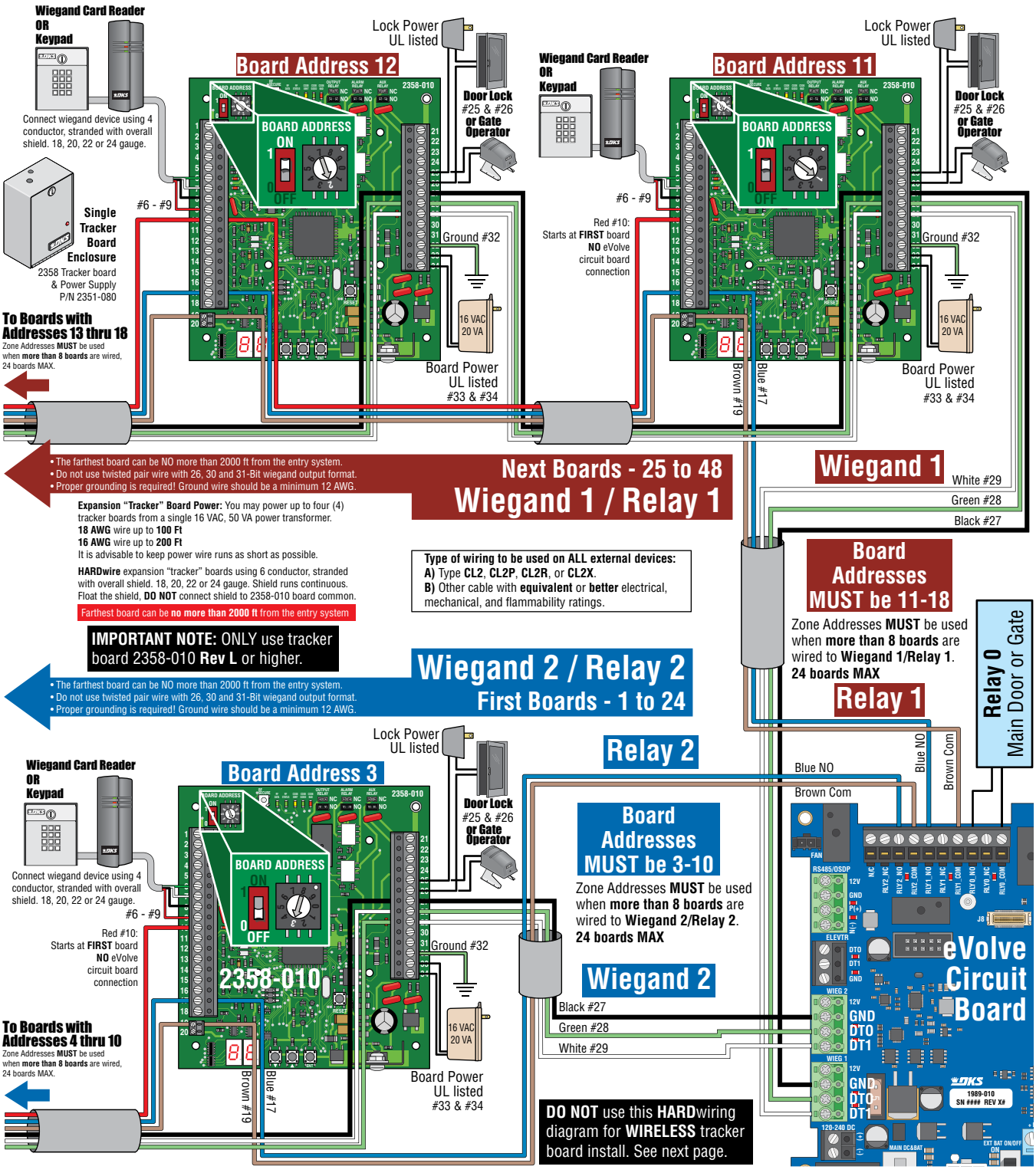


2.2.3 HARDWIRE 2358 Expansion "Tracker" Boards - Up to 48 Boards

The model 2358 Expansion "Tracker" Board (sold separately) allows you to expand the number of remote entry points that the entry system can control. One tracker expansion board is required for **EACH** access point. **Up to 48 boards** can be **hard**wired to the circuit board (**First** 24 boards connect to "**Wiegand 2/Relay 2**" and 24 **more** boards connect to "**Wiegand 1/Relay 1**" if needed). 2358 Expansion "Tracker" boards must have their own power source and the farthest board can be **no more than 2000 ft** from the entry system. Each board must have a board address set on it to identify it to the entry system, If wiring **more than 8 boards**, **zone addressing** will need to be used for board identification. The tracker boards are pre-programmed with many features but can be **re-programmed** for specific needs when desired.

See **eVolve HARDwired 2358 Expansion "Tracker" Board Manual** 2358-0XX for **ALL** wiring and programming options.

This access control equipment must be installed inside of a controlled, protected or restricted area. See page 3 for more information.



2.2.4 WIRELESS 2358 Expansion "Tracker" Boards - Up to 24 Boards

The model 2358 Expansion "Tracker" Board (sold separately) allows you to expand the number of **remote entry points** that the entry system can control. One expansion "tracker" board is required for **EACH** remote entry point. Link wirelessly between the tracker boards and the entry system without having to run wiring from each remote access point. The **1470 wireless RF remote module** (sold separately) piggybacks on the 2358 tracker board and the **eVolve wireless 2358 baseboard module** (sold separately) piggybacks on the entry system's circuit board to link them wirelessly. Wireless tracker boards can be **up to 200 ft** away from the entry system (approximate). This **distance can be extended** by using **longer range antennas** (sold separately) and/or a 2332 wireless dual band repeater (sold separately). Each 2358 tracker board must have a board address set on it to identify it to the entry system. **Board addresses 3-10 will activate WIEGAND 2/RELAY 2** and **11-18 will activate WIEGAND 1/RELAY 1** on the entry system. Board addresses can be set the same for multiple boards (zone addresses) when **MORE** than 8 boards need to activate a specific RELAY (**12 boards MAX for each relay**). The tracker boards are pre-programmed with many features but can be programmed for specific needs when desired See **eVolve Wireless Baseboard Manual** 1984-065 for **ALL** programming options. See DoorKing's web site and the instruction sheets with the wireless kits for complete installation information when linking boards wirelessly.

This access control equipment must be installed inside of a controlled, protected or restricted area. See page 3 for more information.

Signal Note: ALL 1470 wireless RF remote module's Channel Number and RF ID Number **must match** with the wireless 2358 baseboard's RF Channel Number and RF ID Number setting.

Antenna Required

At a Remote Entry Point

NET ID CH

Board Address Setting
Start with **003**

Lock Power UL listed

Door Lock #25 & #26 **or Gate Operator**

Wiegand Card Reader #6 - #9

Connect card reader using 4 conductor, stranded with overall shield. 18, 20, 22 or 24 gauge.

Ground #32

16 VAC 20 VA

Board Power UL listed #33 & #34

1470 Wireless RF Remote Module

2358-010 Expansion "Tracker" Board

IMPORTANT NOTE: ONLY use circuit board 2358-010 **Rev N** or higher.

200 ft max away from Entry System using Disc Antenna. Range will vary depending on antenna chosen.

Antenna Required

Antenna Note: This wireless system works best when the antennas are in **direct-line-of-sight** with each other, in free air as high as possible above the ground.

900 MHz Wireless Test Range Kit
P/N 1514-140

Test signal strength at a location **BEFORE** permanent installation.

Range is Up to **1500 ft** direct-line-of-sight.

Single 900 MHz Wireless Tracker Board Enclosure
2358 tracker board & power supply
P/N 2351-085

Externally Mounted 900 MHz Adjustable Antenna Kit
P/N 1514-079

Entry System Antenna Options

Range is Up to **1000 ft** direct-line-of-sight.

13 ft of cable out of **bottom** of cabinet

900 MHz Disc Antenna (Supplied)

Range is Up to **200 ft** direct-line-of-sight.

Range Up to **1000 ft** direct-line-of-sight. Repeats signal to extend range.

900 MHZ Wireless Dual Band Repeater
P/N 2332-080

NO **OR** NC Relay Connection

Relay Wire Harness included?

Wiegand Wire Harness Included?

Purple Yellow **Relay 1**

Brown Orange **Relay 2**

eVolve Circuit Board

Red Black **Power**

Green White **Wiegand 2**

Green White **Wiegand 1**

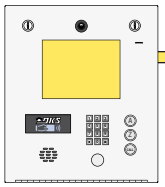
eVolve Wireless 2358 Baseboard Module

Type of wiring to be used on ALL external devices:
A) Type **CL2**, **CL2P**, **CL2R**, or **CL2X**.
B) Other cable with **equivalent** or **better** electrical, mechanical, and flammability ratings.

2.3 Input Power Options

PERMANENT WIRING MUST BE EMPLOYED AS REQUIRED BY LOCAL ELECTRICAL CODES. ALWAYS ADHERE TO THE LOCAL AND NATIONAL ELECTRICAL CODE SPECIFICATIONS WHEN WIRING THE ACCESS CONTROL SYSTEM AND OTHER ACCESS CONTROL DEVICES.

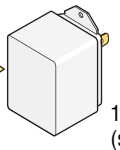
2.3.1 HARDwire 18 VDC Plug-in Transformer



HARDwire to Access Control System

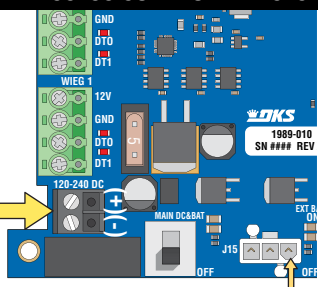
Wire polarity DOES matter
"+ to +" and "- to -"

200 feet max = 14 AWG.
The importance of proper AWG power wiring cannot be over stressed!



DO NOT connect to a receptacle controlled by a ON/OFF switch.

18 VDC plug-in transformer (supplied)



Input Power Terminal

Use only the supplied transformer (or UL listed equivalent) to power the entry system and any 26, 30 and 31 Bit wiegand input devices that use 12-24 VDC.
DO NOT power any other devices (expansion "Tracker" boards, electric strikes, magnetic locks etc.) from power transformer.
Note: Transformer is **NOT** supplied on **units sold outside the United States**. An Inherently Protected Transformer must be used to power this device.
Use only a transformer that is listed by a recognized testing laboratory to power the entry system.

SOLAR POWER can be used with Third Party Solar equipment. See page 21 for **SPECIFIC** information.

DoorKing offers a 12 volt 1.5 amp/hour battery that can connect to the J15 terminal to provide **back-up power** during 18 VDC plug-in transformer power interruptions for the **2137 ONLY**. P/N 2137-102



2.3.2 (PoE) Power-over-Ethernet Connection Types, Cable Types and Distances

The standard PoE **maximum** distance is generally **325 ft** (100 meters), as defined by IEEE standards. While this limit applies universally across PoE standards, **the effective distance can vary depending on the type of Ethernet cable used. Your actual distance will probably be less.**

PoE Connection Types, Watts and Distance Limits:

PoE Type 1 (802.3af): delivers up to 15.4W of power. **DO NOT USE**

PoE Type 2 PoE+ (802.3at): delivers up to 30W of power. **DO NOT USE**

PoE Type 3 and **PoE Type 4** **PoE++** (802.3bt): **Type 3** **YES** supports power levels up to **60W**. **Type 4** **YES** supports power levels up to **100W**. However, the **increased power draw significantly impacts real-world performance**, with typical usable distances for devices requiring the **full** 60W/100W ranging between **50 and 80 ft**. Take this into consideration when distancing **YOUR** specific power supply cable run.

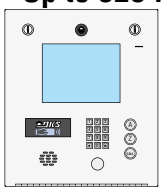
Cat5e/Cat6a Cable Type Considerations:

Cat5e remains a widely used choice for PoE installations. It supports up to 325 ft under ideal conditions. However, thinner conductors (24 AWG wires) can result in **greater power loss**, particularly with **PoE Type 3/4** PoE++ system that demand a higher power level.

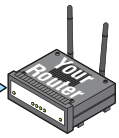
Cat6a cables feature thicker 23 AWG conductors, reducing DC resistance and ensuring better power retention over long distances. This makes Cat6a a preferred choice for high-power PoE applications where **maintaining voltage** is critical. Upgrading from Cat5e to Cat6 or Cat6a cables **minimizes** voltage drop and offers **better performance** over long distances.

- Keep cables away from high voltage power lines: Avoid electrical interference by routing cables far from power lines and **electrically noisy environments**.

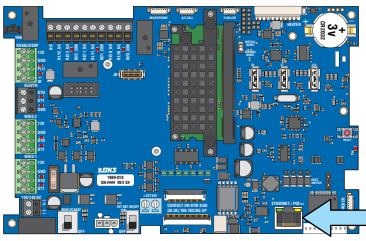
Up to 325 ft



Cat5e or **Cat6a** Cable



YOUR router **MUST** have **PoE Type 3 PoE++** connection when powering the eVolve access control device.



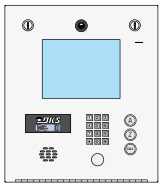
PoE++ Type 3 Cable Connection

Internet connection is made when connecting this way

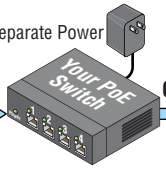
See next page

Beyond 325 ft

Beyond 325 ft, **PoE switches and extenders** boost your signal.
Real-world performance can vary the power supply distances.



Separate Power

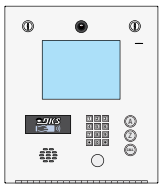


Cat5e or **Cat6a** Cable
325 ft Max

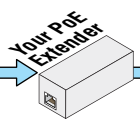
Cat5e or **Cat6a** Cable
325 ft Max



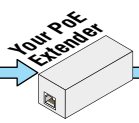
YOUR router and PoE switch **MUST** have **PoE Type 3 PoE++** connection when powering the eVolve access control device.



Cat5e or **Cat6a** Cable
325 ft Max

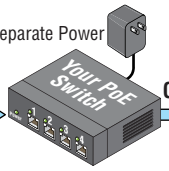


325 ft Max

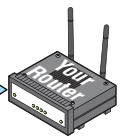


325 ft Max

Separate Power



Cat5e or **Cat6a** Cable
325 ft Max



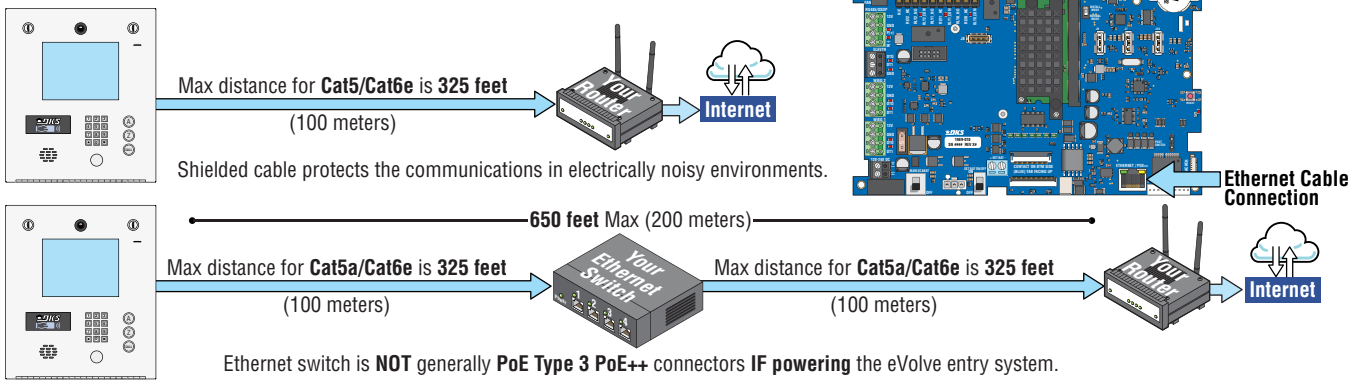
Additional distance can be added

2.4 Internet Connection Options

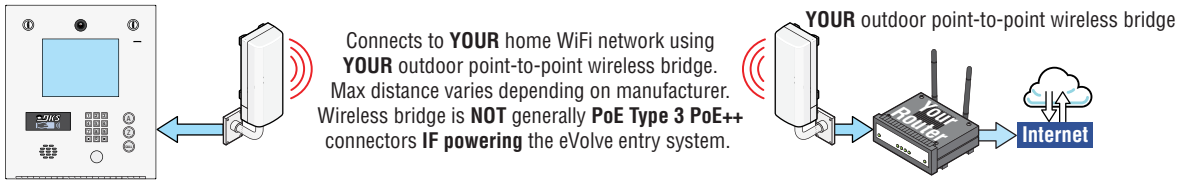
Internet connection is **REQUIRED**

These internet connections are **ONLY** for entry systems that have their input power **HARDwired** using a **12/24VDC 3 Amp plug-in transformer**. If using the RJ 45 plug for the **Input Power (PoE)** to your eVolve Access Control device, see previous page for different **cable types** and **distance limitations**.

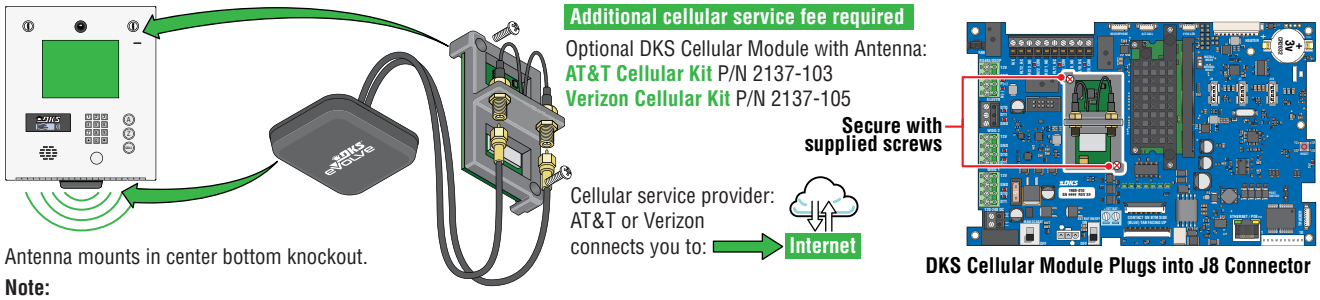
Ethernet Cable - to Your existing internet



YOUR Wireless Bridge - to Your existing internet



Cellular - Requires Separate Cellular Service Provider and an OPTIONAL DKS Cellular Module Kit Installed

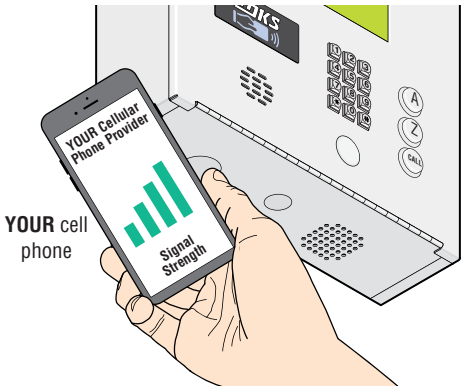


DKS Cellular Module Plugs into J8 Connector

Note:
"**Flush Mount**" model's cellular antenna needs to mount at an external point **close** to the entry system, it can **NOT** be mounted on the bottom of the cabinet.

Testing Cellular Signal Strength in YOUR Specific Area BEFORE Installation:

The signal strength **MUST** be tested in the **SPECIFIC area** the antenna is to be mounted **BEFORE** installing it. If there is **NO** signal or it is weak, a **different anntenna** may be **required** to achieve a strong cellular signal for **YOUR** specific installation area.



Activate the phone near the are where you want the antenna to be mounted. 3-4 bars of signal strength should be indicated on the phone for a reliable signal. If 3-4 bars are not achievable in that specific location, then try moving the phone around and see if at least 3-4 bars can be achieved and maintained in a nearby location. Try using the browser to connect to a website to verify good data transfer. **DO NOT install the antenna in a WEAK or NO signal area.** DoorKing offers an exterior 4G LTE cellular antenna that can help in areas with weak cellular service (P/N 1514-014 Sold separately). Generally, the **higher** the antenna is mounted, the better the reception. This also helps protect against vandalism. The antenna should be located as close as possible to the entry system to allow less chance for lightning surges or other electrical interference to disrupt the cellular signal. **Keep the antenna away from any metal.** This can also disrupt the signal.

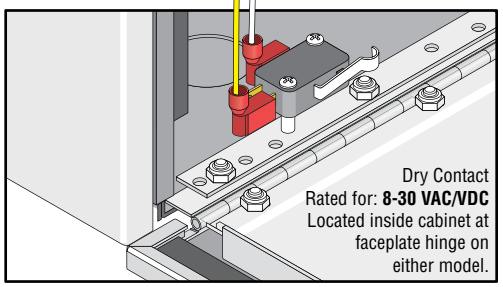
AFTER the 3-4 bar signal strength has been confirmed (and the cell phone has good browser data transfer), the antenna can be installed.

This cellular device cannot be used for 911 calls.

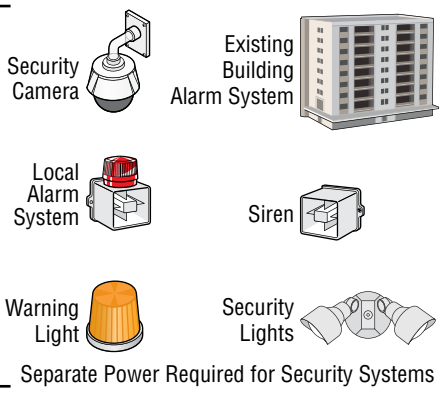
2.5 UL 294 Compliant Tamper Switch

The tamper switch needs to be connected to a **security device** or **existing security system** to comply with the UL 294 standard. Connect the 2 wires of the **Normally Closed** dry contact tamper switch to whatever security setup you desire. The switch gets **activated** when the faceplate is **opened**. The postal lock will be **disabled** when the tamper switch gets activated. Repair and maintenance technicians may need to notify the proper authorities **BEFORE** opening the entry system faceplate, depending on how **YOUR** security of this system has been setup.

Note: To comply with UL 294 Standard for Safety, the tamper switch provided in this access control equipment must be set to activate an alarm or alarm signal when tripped. If the tamper switch is **NOT** connected to activate an alarm or alarm signal, **this will void UL 294 certification.**



Possible Security Connections



2.6 Accessing Video Camera and Video Storage



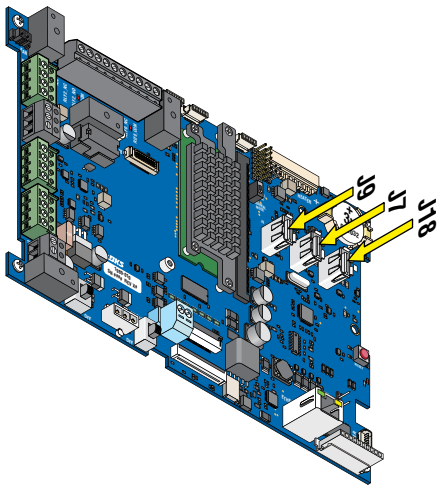
The **video camera system** allows video access to resident cell phones **AFTER** downloading the "**FREE**" DKS Residents App on their cell phones. It is available at the **iphone app store** or **google play store** depending on their cell phone type.
When the video entry system places a **video** call to the resident, it will notify the resident's phone to **Accept** or **Decline** the call. **Accepting** the call allows "**real-time**" video from their cell phone.
If the resident chooses **NOT** to install the **DKS Resident app** on their cell phone, it will still work answering calls from the entry system using just the "**audio**" on their phones. **NO** video will be available to them.

DKS Community App

The **security video camera system** can **record and store video** across the on-line network in MPEG format. Refer to DoorKing's on-line registering and programming site for more information about **storage and retrieval monthly service package options**.

2.7 Three USB Board Connections (J9, J7, J18)

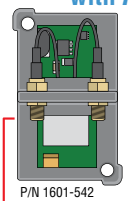
The J9 USB plug has the internal video camera plugged into it from the factory but the USB plugs are interchangeable. The internal video camera **MUST** be plugged into one of the USB ports to function.



2.8 Entry System Board Connections

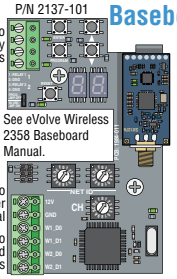
Type of wiring to be used on ALL external devices:
A) Type **CL2**, **CL2P**, **CL2R**, or **CL2X**.
B) Other cable with **equivalent** or **better** electrical, mechanical, and flammability ratings.

"Optional" eVolve Cellular with Antenna

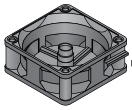


P/N 1601-542
See page 19 and eVolve Cellular Module Manual.

"Optional" eVolve Wireless 2358 Baseboard Kit



Fan Kits Input:



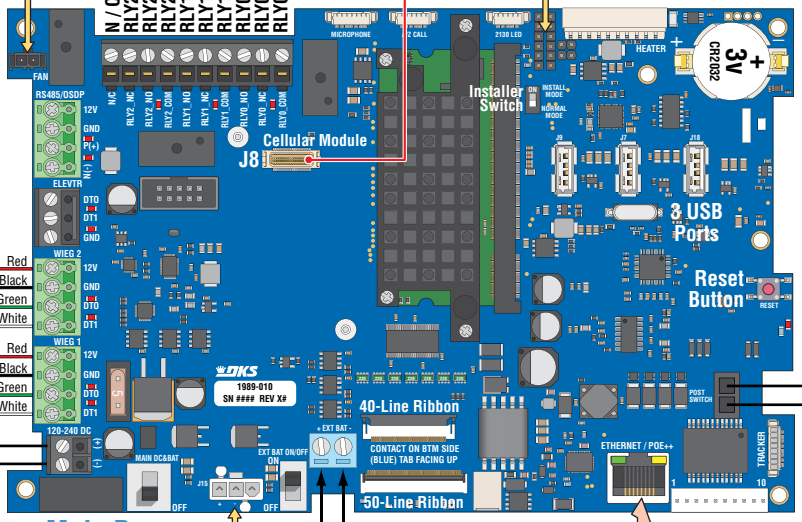
- 2132 Fan Kit - P/N 2132-100
- 2137 Fan Kit - P/N 2137-100

Relay 2 Input — N/C, RLY2 - NC, RLY2 - NO, RLY2 - Com
Relay 1 Input — RLY1 - NC, RLY1 - NO, RLY1 - Com
Relay 0 Input — RLY0 - NC, RLY0 - NO, RLY0 - Com

Relays activate a door lock or a gate operator for a programmable strike time at a controlled access point.

Secondary Keypad Input





Wiegand 2 Input

26, 30 and 31-Bit Card Reader Input: Use 6 conductor, stranded with overall shield. 18, 20, 22 or 24 gauge.
See section 2.2.1.



500 ft MAX — Red, Black, Green, White

Wiegand terminals are programmable to activate a desired **Relay** and it's **strike time**.

Wiegand 1 Input



500 ft MAX — Red, Black, Green, White

26, 30 and 31-Bit Card Reader Input: Use 6 conductor, stranded with overall shield. 18, 20, 22 or 24 gauge.
See section 2.2.1.

18 VDC Input Power

If desired, polarity **DOES** matter, see section 2.3.1
Note: System can be powered by **RJ 45 Input** if desired

18 VDC (+ / -)

Insulated wire:
200 ft max - 14 AWG

Do Not Connect Power to a Receptacle Controlled by a ON/OFF Switch.

Main Power Switch

Shuts off **ALL** Power to board, including back-up battery.

Solar Power Input

for use with
Third Party Solar Equipment
(Not offered by DoorKing)

The type of third party battery charge controller is dependent on the **number of solar panels** and the **battery size** you are using.
A solar **Battery Charge Controller** is **REQUIRED**.

Battery size **MUST** be a **MINIMUM** of **12 Volt 3 amp/hr.**

RJ 45 Type 3 PoE++ Input

60w Input Power for entry system if desired.
Internet connection **required**.
See sections 2.4.2

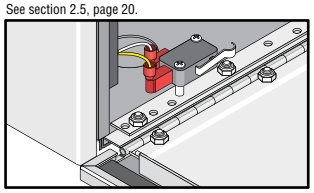
Request to Exit Button (REX) Input

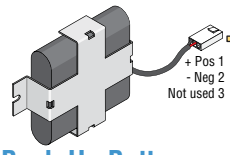


Will activate the same relay the postal switch is set for.

Tamper Switch Input

(Dry Contact)
Rated for: **8-30 VAC/VDC**
See section 2.5, page 20.



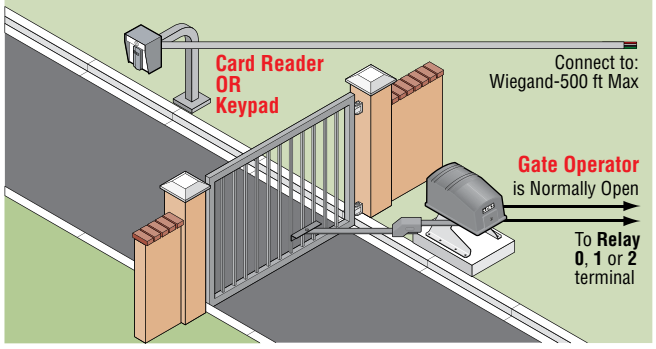


Back-Up Battery Kit Input:

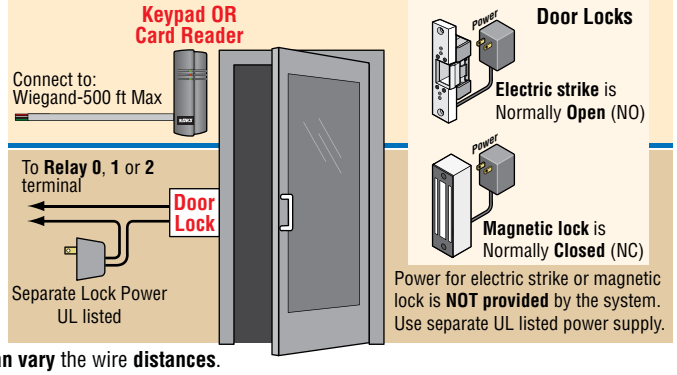
P/N 2137-102 **for 2137 ONLY**

12 VDC 1.5 amp/hour battery. The entry system draws about 1.3 amp in **standby** conditions (idle system).
In this condition, the battery will keep the system operational for about an hour.
If the system is being used, the time **will be reduced** depending on the amount of usage.

Basic GATE Control Components

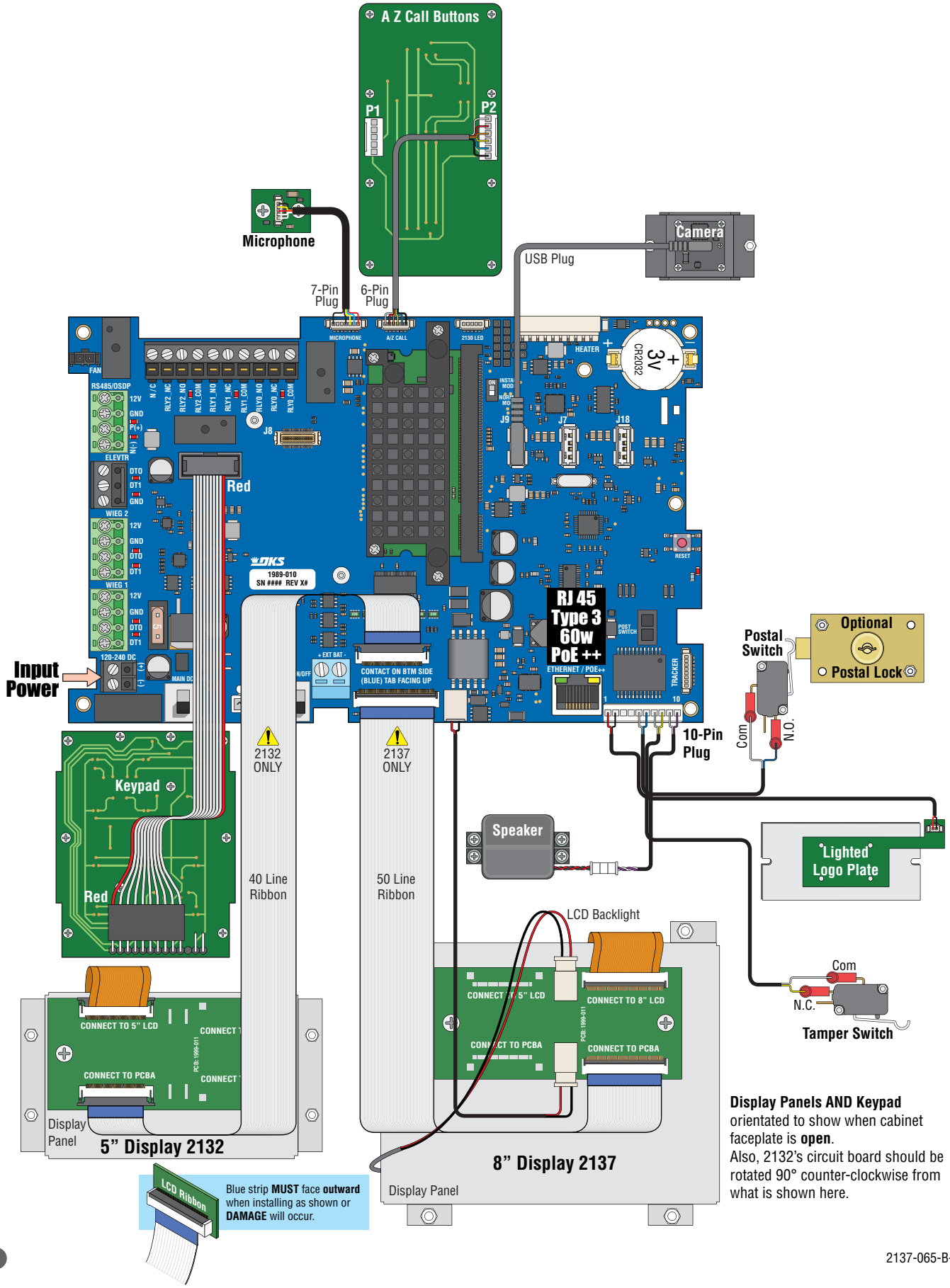


Basic DOOR Control Components



Real-world performance **can vary** the wire **distances**.

2.9 Entry Systems Schematic



Display Panels AND Keypad orientated to show when cabinet faceplate is **open**.
Also, 2132's circuit board should be rotated 90° counter-clockwise from what is shown here.

2.10 Optional Accessories for eVolve Entry System

Hood for 2137 - Use to shade and protect entry system, mounts inbetween enclosure and a mounting surface.
Stainless Steel P/N 1814-180, Black P/N 1814-185.

Flush Mount Kit for 2137 - Use to install entry system into a wall or column. Kit includes rough-in box and trim-ring.
P/N 1814-200.

Mounting Posts for 2137
Heavy-duty goose-neck mounting post with mounting plate. P/N 1200-038.
Heavy-duty goose-neck mounting post with concrete base plate for pad mounting. P/N 1200-037.
Designer Style mounting posts; offset P/N 1200-086, straight P/N 1200-085.

Hood for 2132 - Use to shade and protect entry system, mounts inbetween enclosure and a mounting surface.
Stainless Steel P/N 2132-207, Black P/N 2132-208.

Flush Mount for 2132 - Use to install 2132 entry system into a wall or column. Rough-in box and trim-ring sold individually.
Rough-in Box P/N 2132-206 Trim-ring P/N 2132-205.

Mounting Posts for 2132
Off-Set pad mount. P/N 1200-036.
Standard goose-neck, pad mount. P/N 1200-045.
Standard goose-neck, In-ground mount P/N 1200-046.
Standard dual-mount. P/N 1200-049.

2132 Adapter Plate - Needed to secure 2132 to ALL DoorKing mounting posts. P/N 2132-111. Hardware included.

Self-Standing Lighted Kiosk for 2137 - P/N 1200-170 flush mount kit (P/N 1814-200) needed for installation.

AT&T Cellular Kit - When using AT&T as a cellular provider. P/N 2137-103.

Verizon Cellular Kit - When using Verizon as a cellular provider. P/N 2137-105.

2137 Fan Kit - Thermostatically controlled fan for hot humid environments. P/N 2137-100.

2132 Fan Kit - Thermostatically controlled fan for hot humid environments. P/N 2132-100.

2137 Battery Backup Kit - Supplies power to entry system during a power failure. **NOT** availabe for the 2132. P/N 2137-102.

2358 Expansion "Tracker" Board - 2358 Expansion "Tracker" boards allow the entry systems to operate up to 48 individual doors or gates, provides door ajar and forced entry alarms, and can activate local and building alarm systems. Also allows DoorKing gate operators to report gate operator data and activity to the entry system. P/N 2358-010

1470 Wireless RF Remote Module - Piggybacks on 2358 Tracker Board. Links with wireless 2358 Baseboard module. P/N 1470-080

eVolve Wireless 2358 (Wiegand) Baseboard Module - Allows eVolve entry systems to communicate wirelessly with Up to 24 remote access points that are managed by 2358 expansion "Tracker" boards. P/N 2137-101

900 MHz Wireless Test Range Kit - Self-powered signal strength testing device. Determine the signal strength of wireless device locations **BEFORE** permanently installing them. P/N 1514-140

Internal Card Readers - Fits inside entry system.
DoorKing DK Prox - P/N 1815-302
HID Prox Point Plus - P/N 1815-380
ID-Teck RF Tiny - P/N 1815-215

Secondary Keypads (Wiegand)
Allows remote activation of the system relays by use of the access codes. Does not provide any voice communication to the main unit or to the resident phone. P/N 1812-082 (surface mount); P/N 1812-197 (flush mount).

Magnetic Locks - A variety of magnetic locks are available to meet individual application requirements. Contact your DoorKing dealer.

Electric Strikes - A variety of electric strikes are available to meet individual application requirements. Contact your DoorKing dealer.

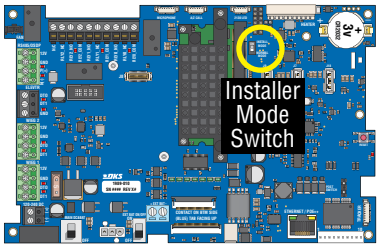
SECTION 3 - DoorKing TECHNICIANS ONLY

This feature help a DoorKing maintenance technician test the entry system for proper operation. **THIS SECTION IS NOT FOR THE OWNER OF THE ENTRY SYSTEM**. **IT SHOULD NEVER BE USED BY THE OWNER, ONLY THE AUTHORIZED TECHNICIAN.**

The "**Installer mode**" switch allows a **DoorKing maintenance technician** to test an existing entry system for normal maintenance **WITHOUT** having to go on-line and set up a database or wait for a authorized administrator to access the entry system. This saves time and headaches of having to find and contact the proper person to gain access to the system precisely when needed. The entry system's "**Installer mode**" switch allows a DoorKing maintenance technician to instantly access the system **ONLY** to see if it functions correctly. It **WILL NOT** allow the technician to alter **ANY** existing programmed data in the entry system. This switch is **ONLY** used for **normal testing** and **maintenance** of the entry system such as:

- Test Keypad functionality
- Test Camera functionality
- Test Microphone / Speaker functionality
- Test Postal Lock / Tamper switch connection functionality
- Test A / Z / Call buttons functionality
- Wiegand Test
- When using cellular, test the cell "signal strength" and "download" speed

3.1 Accessing "Installer Mode" Switch



1989-010 Rev 4.1 or higher



INSTALL MODE

NORMAL MODE

Power the entry system DOWN.

Turn the installer switch "**ON**" (Install Mode).

Power the system back **UP**.

You will **automatically** enter the type of connection and the **signal quality test:**

1. "**Link**" = **Up - Cellular** connection and the "**Signal Strength**".
2. "**Link**" = **Down - Internet** connection and the "**Signal Strength**".

A signal strength of **20 and up is good**. Use this same screen for the **Wiegand Test**. As devices are used, it will show the Expansion "Tracker" board address number (if used), FC, and the Device number at the bottom of the screen.

Keypad Test: Press any digit from the system's keypad, as you press you should hear the key number through the speaker (This will also confirm Speaker is working)

- Press **Z-button** (Microphone Test): You should see a signal wave chart going up and down confirming audio is being picked up. If the signal wave runs straight, it indicates audio is **NOT** getting picked up.
- Press **Call button** (Camera Test): This enables the camera to display what it sees on the display screen.
- Press **A-button** (Cellular Signal Test): You will be returned to cell signal strength.

Pressing "*****" and "**#**" on the entry system's keypad simultaneously: You will hear audio of the **postal** and **tamper** switch status, along with its contact confirmation.

Cell Signal Strength: If a laptop is available, the RJ45 connector becomes a tethering spot. Connecting to it allows you to use cell data. You can go on-line to run a **speed test**. You can also use a USB to ethernet adapter on your cell phone to run a speed test. Make sure the internet connection is going through the entry systems cell data and **NOT YOUR** cell phone data.

NOTE: At times cell **signal strength** can be above **20**, but the **download** speed is low.
Recommended **download** speed of at least **3 Mbps** or higher.

SECTION 4 - REGISTERING

After installation is **complete**, register your entry system **FIRST to ACTIVATE it**, then program it and make any operational adjustments if necessary.

4.1 Register Entry System BEFORE Programming It

After the entry system has been **powered up** and **connected to the internet** (ethernet connection or cellular module):
Go to DoorKing's website: **https://www.doorking.com/dks-easy-connect/dks-registration/** to **Register YOUR** video entry system.

Step 1: Locate the 10-digit Video ID (VID)

The **VID Number** (10 Digits) will be needed for registering, found on the **1989-010 circuit board** of the entry system.
Keep this number available for **Step 3**, when you add the VES (**V**ideo **E**ntry **S**ystem) to your account.

Step 2: Open the DKS registration page

On the registration page, choose "**DKS Community**" for the VES, then select "**Begin Activation**".



Use the **VID** from the circuit-board label when the registration process asks for the "**Video ID**".

Step 3: Complete the 3-Part Registration - contact information - Add Your VES - billing

Part 1 - **Contact Information**

- Enter your **contact information**.
- Create a User ID with a minimum of **4 characters**.
- Create a password with a minimum of **6 characters**.

IMPORTANT An **existing User ID** used for another DoorKing system **cannot** be reused for this registration.

Part 2 - **Add Your VES**

Service Type	Select Video Ethernet. This is the only choice during initial setup.
Video ID	Enter the 10-digit VID from the label at the center of the circuit board.
Account Name	Create a name for the VES.
Unit Counts	Enter the number of units at the property, such as apartments or houses.
Enable Video Recording	Select this option if video playback will be offered to residents. Additional charges apply.



CELLULAR SETUP If the VES will use a cellular connection, first add the system as Video Ethernet. The connection is changed to cellular **AFTER** the VES has been added.

Part 3 - **Billing**

- Billing is available monthly only.
- Payment can be set up by **Credit/eCheck** or **Paper Check**.

Rates for unit counts and additional services are displayed while adding the VES.

Step 4: If using Cellular Connection

Complete this section **AFTER** the VES has been added and billing setup is complete.

- Open the Entry Systems tab and locate the Video Entry System you added.
- Select the system and **change** the connection method from Ethernet to **CELLULAR**.
- Locate the **SIM label ID** on the cellular kit device.
- Enter the **SIM ID** in the **New SIM field**, then select **Add SIM** to activate the cellular device.

Note: The source guide lists two cellular options: **AT&T** or **Verizon**.

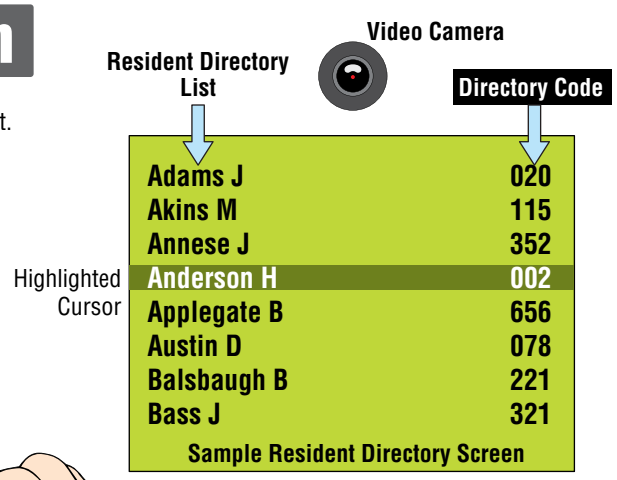


The Edit screen contains the Video SIM section for adding the SIM and the Manage Users section for granting programming access.

4.2 Operating the Entry System

Press **ANY** button on the entry system to call up the "**Resident Directory**" list. Resident names are listed **alphabetically**.
Scroll through the names using the "**A**" and "**Z**" buttons until a desired name is **Highlighted** on the screen by the cursor, then press the "**CALL**" button to call that desired resident.

A "**Directory Code**" number is located next to **each** resident name that can be keyed in on the entry system keypad to also call the desired resident.



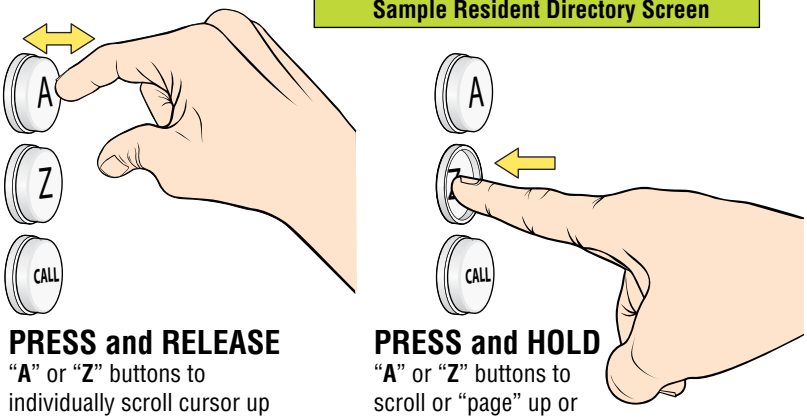
Sample Resident Directory Screen

"A"-"Z"-"CALL" Buttons

"**A**" button scrolls cursor **UP** on resident directory list

"**Z**" button scrolls cursor **DOWN** on directory list

"**CALL**" button calls "**Highlighted**" name on directory list



PRESS and RELEASE
"**A**" or "**Z**" buttons to individually scroll cursor up or down through **EACH** resident name on a screen.

PRESS and HOLD
"**A**" or "**Z**" buttons to scroll or "page" up or down through **ALL** the resident directory screens **RAPIDLY**.

Entry System Keypad

To clear out from a function or cancel press "**#**".



Entry Codes: **4** or **5** digit numbers that the **system administrator** assigns to the resident. These "**entry codes**" are for the resident use **ONLY**, NOT to be used as a guest pass.
To use entry codes: Press "**#**" plus the 4 or 5 digit code.
NO TONE is heard and the screen will revert to the home screen (does not show access or denied).

Guest Pass: **6** digit code assigned by the **resident** to their guest.
To use guest pass: Press "**#**" plus the 6 digit code.
NO TONE is heard and the screen will revert to the home screen (does not show access or denied).

Resident Response to a Guest Pass:

OPEN Main Entrance
Resident presses "**a specific number button**" on their cell phone to **OPEN** the **chosen relay** connected to the main entrance.

Relay 0 = Cell Phone Number "**7**"
Relay 1 = Cell Phone Number "**9**"
Relay 2 = Cell Phone Number "**5**"

DO NOT OPEN Main Entrance
Resident "**ENDS CALL**" on their cell phone to **DENY** entry.

Entry System Video Camera



Residents MUST download the "**DKS Community App**" on their cell phone to **gain access** to the video camera. It can be downloaded "**free**" from the **iphone app store** or **google play store** depending on their cell phone type.
Residents cell phone will still work with just **AUDIO** if the APP is **NOT** installed but **NO** video will be available to them.

- **Residents** will **ONLY** be able to access the video camera when a call is made to them from the entry system.
- **Administrators** will be able to access the video camera **ANYTIME** they choose.

DKS Community App

Note: After a resident downloads the DKS Community app, if the phone number was set to "**audio**", it will **automatically** change to a **video** call.

IMPORTANT NOTE: When management utilizes resident "**Entry Codes**", residents should be instructed to **keep their assigned code secret.** Telling other persons their code or allowing other persons to use their code **compromises security** and defeats the purpose of the system.

A resident instruction sheet is included in the back of this manual and may be copied and passed out to your residents.

RESIDENT OPERATING INSTRUCTIONS

Your building / community has been equipped with a **DoorKing eVolve Video Entry System** that will provide communication for your guest from the lobby door / gated entrance to your cell phone. If you have any questions regarding the use or operation of this video entry system, please see your **System Administrator** (building manager / HOA representative) **or Call:**

_____
Phone #

Guest Communication: Your **Name** (or apartment number) and **Cell Phone** number have been programmed into the DoorKing video entry system along with a specific **Directory Code** number to identify you. This directory code can be from 1 to 4 digits long. Your cell phone number **WILL NOT** show up in the resident directory list, it will ALWAYS remain **PRIVATE.**

When a guest comes to visit you, they will look up **your name** in the **resident directory** list. When your name is "**Highlighted**" by the cursor on the screen in the resident directory, the guest can press the "**CALL**" button to place a call to you.

Your "**Directory Code**" will also be shown next to your name. Your guest can enter this code on the entry system's keypad that will place a call to your cell phone (If your guest already knows **YOUR specific** directory code, they can simply enter the code on the entry system's keypad without having to look up your name and code in the resident directory list).

A guest **CANNOT** enter your **cell phone number** on the entry system's keypad, they **MUST** use the **DIRECTORY CODE** ONLY!

YOUR Response to a Guest Call:

OPEN Main Entrance

Press "_____" on your cell phone to **OPEN** the main entrance.

DO NOT OPEN Main Entrance

"**END CALL**" on your cell phone to **DENY** entry.

Accessing Entry System's Video Camera from YOUR Cell Phone:

You **MUST** download the **DKS Community App** software to **YOUR Cell Phone** to access **"LIVE" VIDEO**. It's located "**free**" from the **iphone app store** or **google play store** depending on your cell phone type. After downloading the app to **your** cell phone, it will notify you on **your** cell phone to **Accept** or **Decline** a call made by the video entry system. This will also allow you to see the "**LIVE**" activity at the video entry system on **YOUR** phone. You **cannot** access the video camera **until** a call is made to **you** from the video entry system.

DKS Community App

NOT using the APP: IF you choose **NOT** to download the app to your cell phone, it will still work receiving just an "**audio**" call, **NO video** will be available on **your** phone. You will also be able to open the main entrance by pressing the **specific number** (indicated above) on your cell phone to **allow entry** or end call to **deny entry**.

Your Privacy: If you **DO NOT** want your name and/or apartment number listed in the electronic resident directory, inform the system administrator of this. Your cell phone number can be stored in the system **without your name being displayed on the directory**. If you choose this option, you will need to inform your guest what **YOUR directory code** is, otherwise there will be **NO WAY** for them to identify **YOUR** directory code on the video entry system's electronic resident directory.

Your Entry Code: Your system administrator may issue you a unique "**Entry Code**" that will allow you to open the main entrance by entering this code on the **video entry system's keypad**. Your system administrator will advise you of **YOUR** entry code if this option is available to you.

To use your entry code: **FIRST** press the"**#**" button on the **video entry system's keypad**. The display screen will show "**ENTRY CODE**". **SECOND** enter your **four-digit** or **five-digit** entry code.
a "**Valid**" code will **open** the door/gate and a "**BEEP**" may be heard. If the administrator disabled the "BEEP on entry", then no BEEP is sounded.

_____
Entry Code Number (Optional)

System Administrator's Note: Fill in the **System Administrator Phone Number** and the "**Opening**" **number** for the main entrance, then make copies of this sheet. Add individual **Entry Code** (if issued) for **EACH** resident on **their** individual sheet and distribute specific sheet to resident.

eVolve Video Entry

Access Control Systems

Install / Owner's Manual

Use this manual for eVolve Circuit Board 1989-010 Revision 4.1

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26, 30, 31-Bit **Wiegand** Compatible

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