

QUICKSTART "BASIC" INSTALLATION GUIDELINES FOR 1802 and 1802EPD

It is highly recommended that you consult the Installation/Owner's manual for complete instructions on all the different types of installations. The 1802 Telephone Entry System involves the installation of the 1802 enclosure and conduit runs for all necessary wiring (On reverse side). Be sure that all dirt, metal or wood debris is removed from inside enclosure after mounting it. This could damage the control board and cause a malfunction during operation.

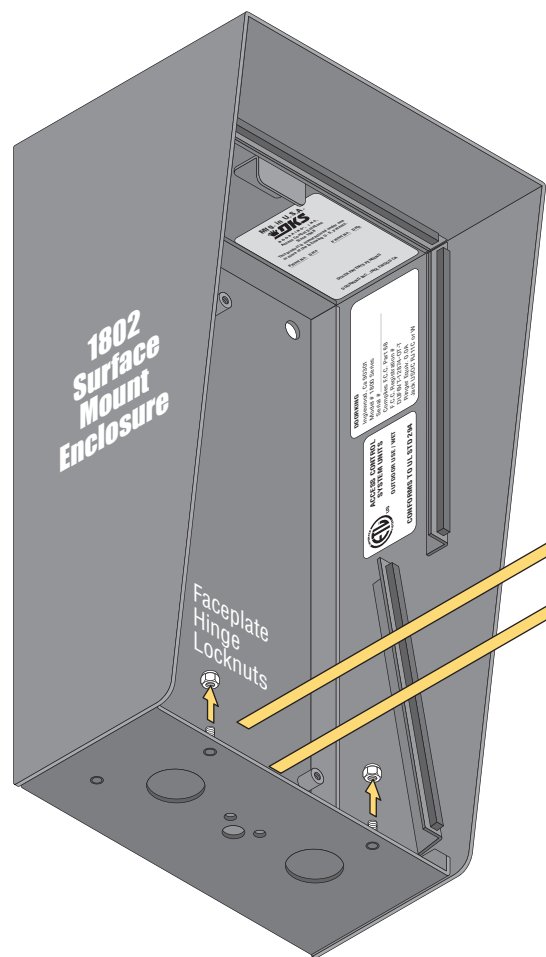


120 S. Glasgow Avenue
Inglewood, California 90301
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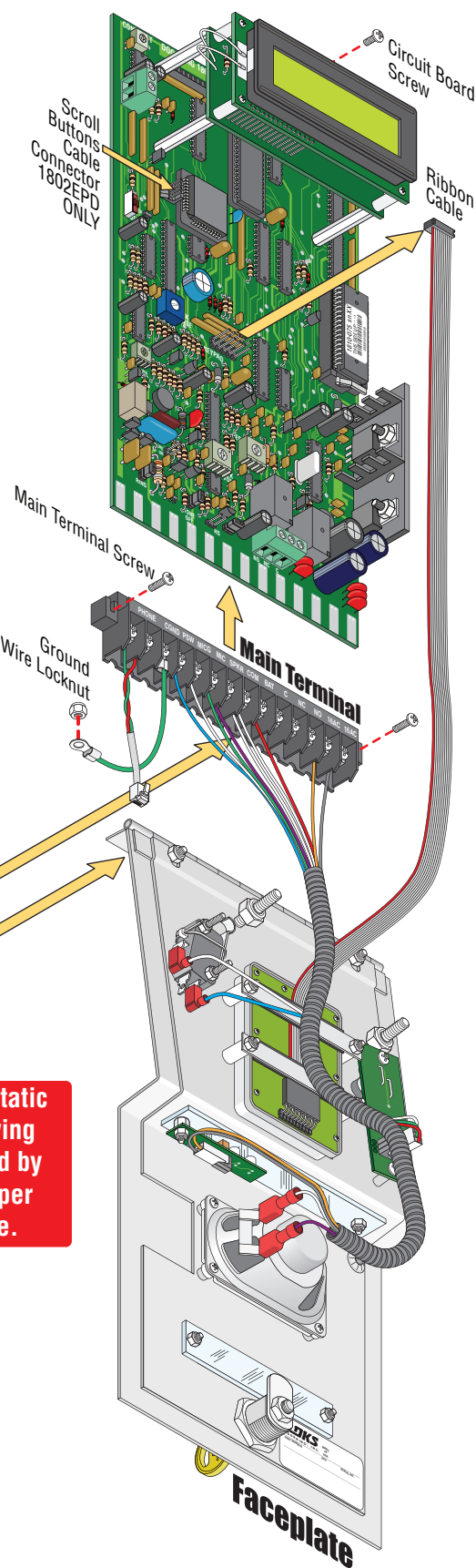
Remove Components from Enclosure

There are 2 different models of the 1802 telephone entry system - Standard 1802 and 1802EPD which has an electronic programmable directory with scroll buttons. Components removal is the same for the surface mount and flush mount units.

1. Disconnect cable(s) from the circuit board.
2. Unscrew 1 circuit board screw and **GENTLY** remove the circuit board.
3. Unscrew main terminal and remove the ground wire locknut.
4. Remove two locknuts from the faceplate hinge.
5. Remove the faceplate, main terminal (still wired) and store them in a **Safe Place** until they need to be re-installed.



Discharge any static BEFORE removing the circuit board by touching a proper ground device.

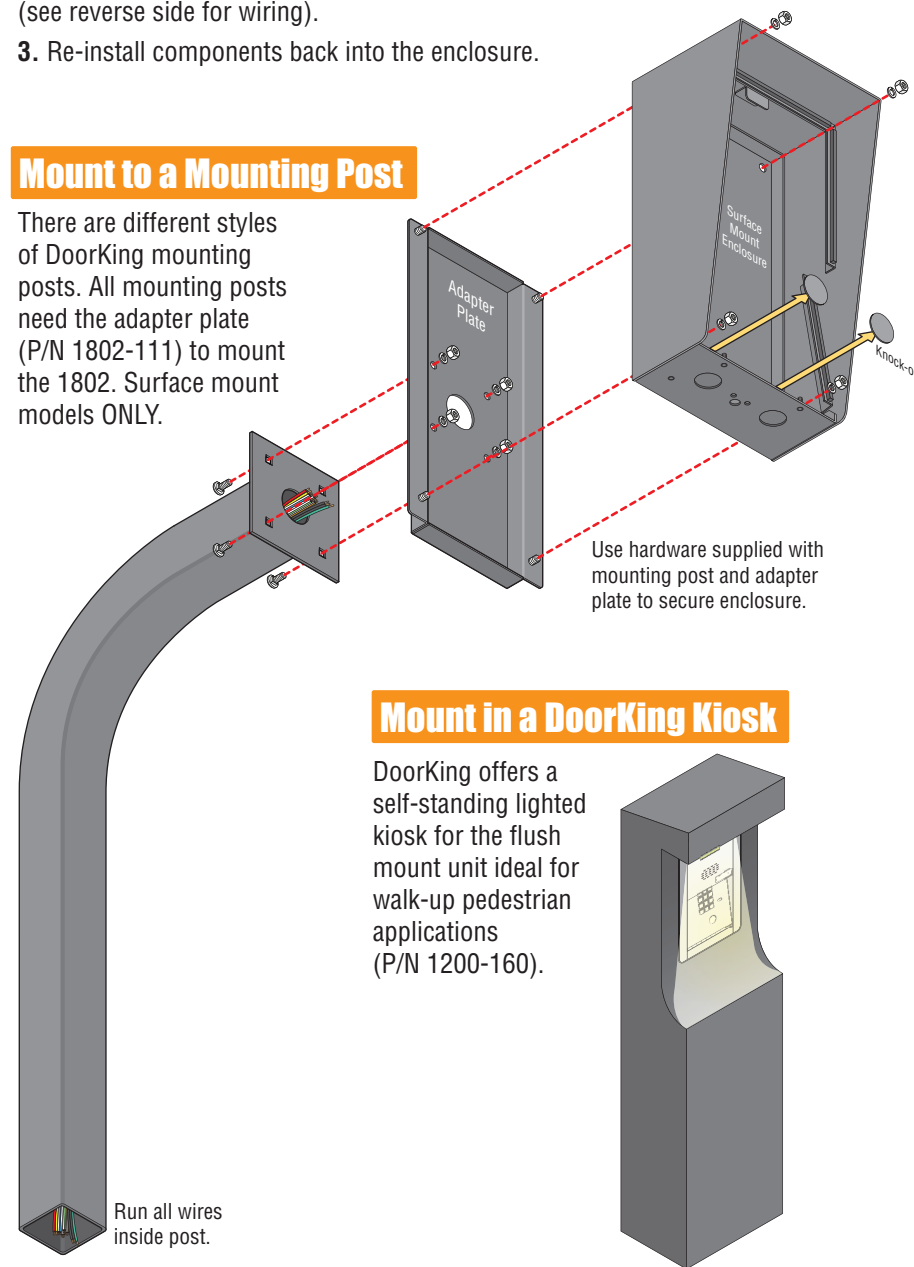


Install Enclosure

1. Mount the enclosure using the mounting holes provided in the corners. Be sure that mounting screws or nuts (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.
2. Route all wiring through conduit and wire accordingly (see reverse side for wiring).
3. Re-install components back into the enclosure.

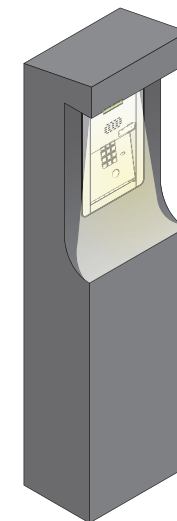
Mount to a Mounting Post

There are different styles of DoorKing mounting posts. All mounting posts need the adapter plate (P/N 1802-111) to mount the 1802. Surface mount models ONLY.

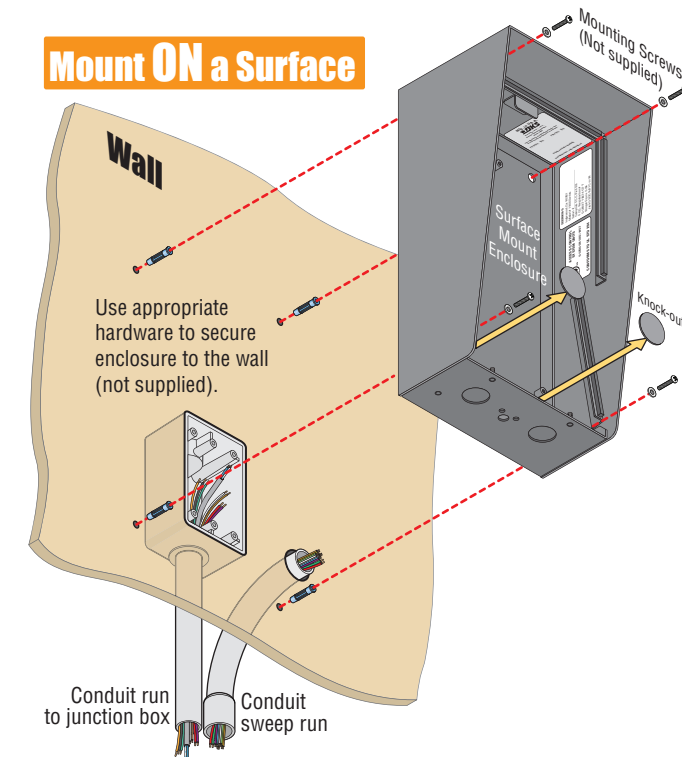


Mount in a DoorKing Kiosk

DoorKing offers a self-standing lighted kiosk for the flush mount unit ideal for walk-up pedestrian applications (P/N 1200-160).

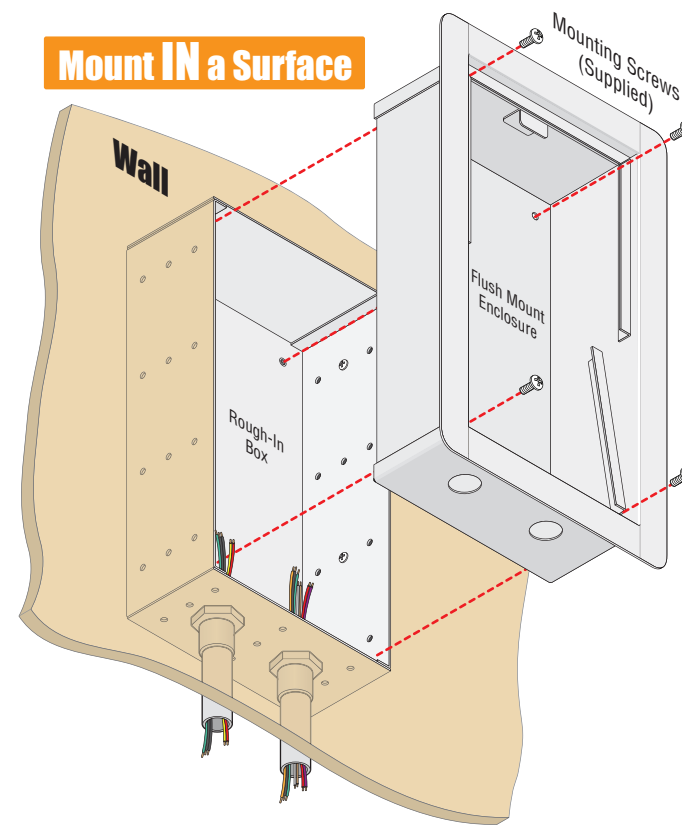


Mount ON a Surface



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 IN a Surface



QUICKSTART "BASIC" WIRING AND PROGRAMMING GUIDELINES FOR 1802 AND 1802EPD



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It is highly recommended that you consult the Installation/Owner's manual for complete instructions on all wiring and programming. The 1802 needs wiring to an incoming telephone line, power wiring, connection to a entry door or gate and it **MUST** be properly grounded. The 1802 **MUST** have **DIRECTORY CODES** programmed into it to be able to contact the residents from the system. The resident will be able to **GRANT ACCESS** and open the door or gate by pressing "9" on their phone or **DENY ACCESS** by pressing "#" on their phone.

Basic Programming Required

Program the Directory Code Length into System

Set the **directory code length** to 1 - 2 - 3 or 4 digits.
If **11** or more residents are going to be programmed into the system, the directory code length must be **at least two-digits**.
If **101** or more residents are going to be programmed in, the directory code length must be **at least three-digits**.
The factory has already set this for three (3) digits but it can be changed if desired.

1. Press *** 2 0** and enter your four-digit MASTER CODE **? ? ? ?** (beep). **Note:** Factory setting is "9999".
2. Enter the **directory code digit length** (1, 2, 3 or 4), then press ***** (beep).
3. Press **0 *** (beep) to **cancel this function**, OR **1 *** (beeeeeep) to **confirm the change**.

The programming sequence will **automatically** end itself after pressing **1 ***. This **CANNOT** be **UNDONE!**

CAUTION: After programming this sequence, it is **NOT** recommended changing the directory code length. Re-programming this sequence in the future will delete **ALL** phone numbers and directory codes that have been **previously** programmed into the system.

Programming Phone Numbers - Up to 16-Digits

In this programming sequence, the **directory codes** and **phone numbers** (up to 16 digits) will be programmed into the system. If you use **directory codes 0, 00, 000, 0000** and/or **1, 01, 001, 0001** remember that the talk time for these directory codes are **factory set to the maximum** and cannot be changed. Use these directory codes to program **management** or **emergency phone numbers**, which generally require longer conversation periods.

1. Press *** 0 1** and enter your four-digit MASTER CODE **? ? ? ?** (beep).
2. Choose and enter a **directory code** (1, 2, 3 or 4 digits, depending on what was programmed above), then press ***** (beep).
Note: Use the log tables in back of the 1802 manual to keep track of names, phone numbers and directory codes.
3. Enter the **phone number** (Up to 16-digits, but less digits will be accepted) for the chosen directory code, then press ***** (beep).

Note: Entering the **#** anywhere in the phone number (multiple #'s can be used) will cause the dialing sequence to pause (1-9 seconds) if necessary.

Example: Phone number 1-904-359-6679 needs to be dialed with a pause after the 1.

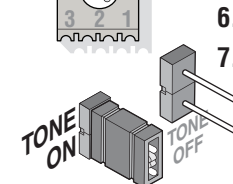
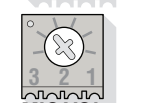
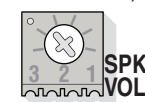
Programming: **1 # 9 0 4 3 5 9 6 6 7 9 ***

4. Repeat steps 2 and 3 to enter additional **directory codes** and **phone numbers**.
5. Press **0 #** together to end this programming sequence (beeeeeep).

Basic Adjustments Required

Speaker Volume, Microphone and Feedback

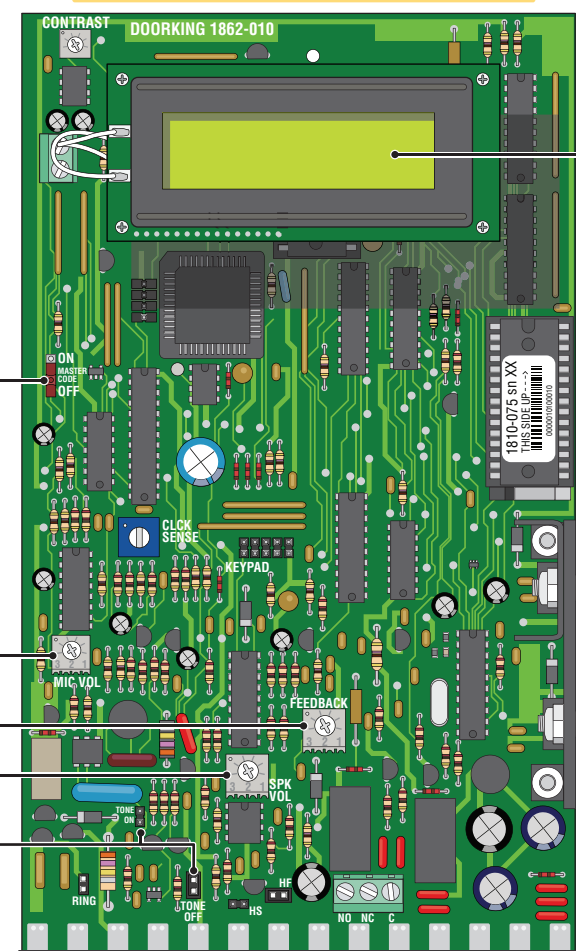
Speaker volume, microphone volume and feedback **ALL** interact with each other to affect the audio performance of the system.



1. Locate the **speaker volume**, **microphone volume** and **feedback** adjustments on circuit board. Place a phone call from the telephone entry system to a resident using a resident's directory code.
2. While they are talking, adjust the **speaker volume** for adequate sound.
3. Talk to the resident in a normal voice to adjust the **microphone volume**. Ask the resident to let you know when the sound in their telephone is adequate.
4. After speaker and microphone have been adjusted, ask the resident to remain silent.
5. Remove the jumper from the **TONE OFF** terminals on the circuit board and place it on the **TONE ON** terminals. A tone will be heard in the speaker.
6. Rotate the **feedback** adjustment. When the tone from the speaker is minimum, this is the correct adjustment.
7. Jumper **MUST** be moved back to the **TONE OFF** terminals when complete.

Note: High microphone and speaker volume levels may cause feedback. It may be necessary to reduce the speaker volume if the microphone volume is set too high. Likewise, it may be necessary to reduce the microphone volume if the speaker volume is set too high.

Basic Wiring Required



LCD Display - Welcome Note: The welcome message is factory set and will probably need to be re-programmed for your specific needs. Refer to manual for re-programming welcome message if desired.

LCD Display - 1802EPD ONLY Note: The electronic programmable display should have the resident names programmed into it after the directory codes have been programmed in. Refer to manual for programming names into the 1802EPD system.

MASTER CODE

The 1802 is programmed from the factory with "9999" as the default "Master Code". It can be re-programmed if desired.

Master Code Switch Description

Switch OFF - Normal operating mode position.

Switch ON - After master code switch has been turned ON, system will be in Master Code programming mode. (If master code switch is turned ON and master code is not entered, the system will sound a short tone after 30 seconds and continue every 30 seconds until master code is entered or switch is turned off).

Re-Programming the "Master Code"

1. Turn Master Code switch **ON**.
2. Choose and enter a **four digit Master Code** number, then press "*****", "beep" will be heard.
3. Turn Master Code switch **OFF**.

? ? ? ? * (Write down your master code).

Central Office Phone Line Input

touch tone, loop start

Wire Size	Distance
24 AWG	Up to 800 ft
22 AWG	Up to 1600 ft

Wiring **MUST** be twisted and completely isolated from ground.

Power Input

16.5 VDC, 20 VA power.

Ferrite Filter
Wire polarity does not matter

Wire Size	Distance
18 AWG	Up to 100 ft
16 AWG	Up to 200 ft

Earth Ground
1802 MUST be Properly Grounded!

Relay Input 1
"NO" - Normally Open (NO)
"NC" - Normally Closed (NC)
"C" - Common (C)

Relay 1 Strike Time Note: Relay 1 strike time is factory set for 1 second. Strike time can be re-programmed from 1/4 second up to 99 seconds. Refer to manual for re-programming if desired.

