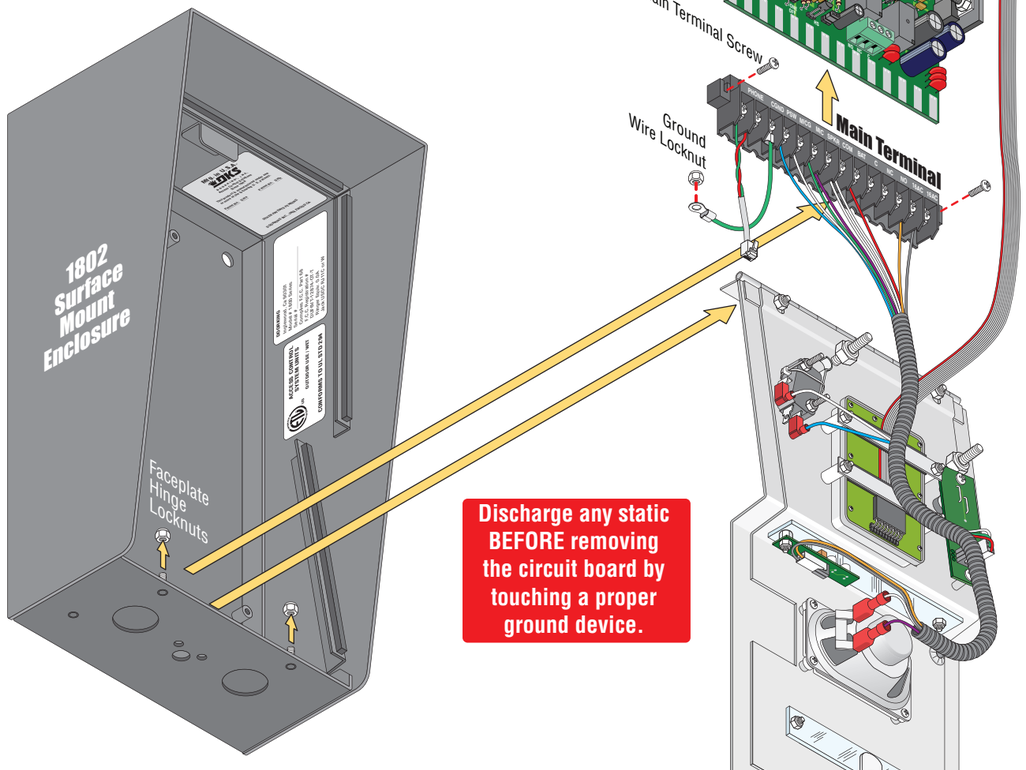
QUICKSTART "BASIC" INSTALLATION GUIDELINES FOR 1802 and 1802EPD

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.

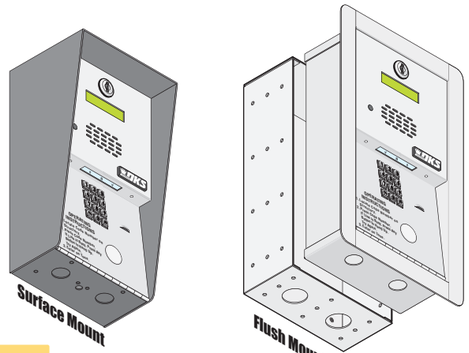
Remove Components from Enclosure

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.

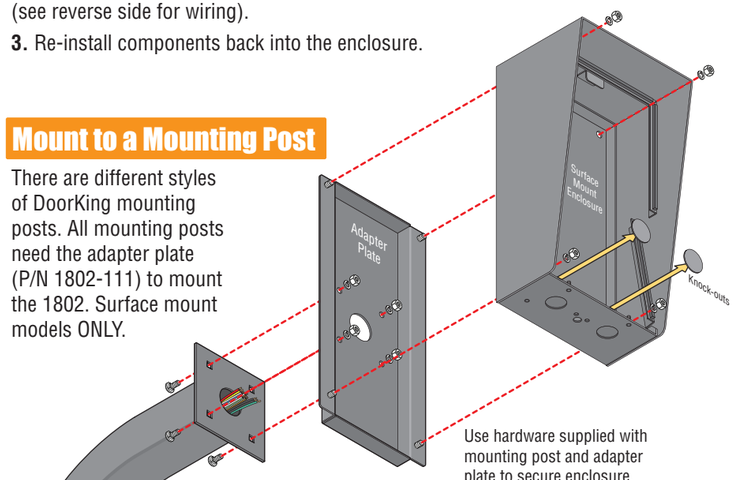


Install Enclosure

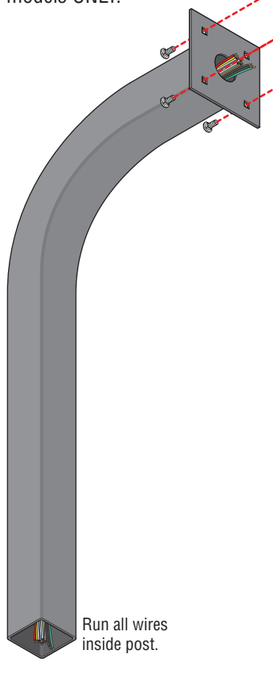
1. Mount the enclosure using the mounting holes provided in the corners. Be sure that mounting screws or nuts (Not supplied) do not protrude into the enclosure where they could cause a short on the back of the circuit board. Make any necessary conduit connections through the back or bottom of the enclosure 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.

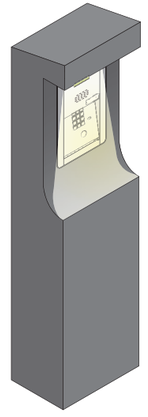


Use hardware supplied with mounting post and adapter plate to secure enclosure.



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).



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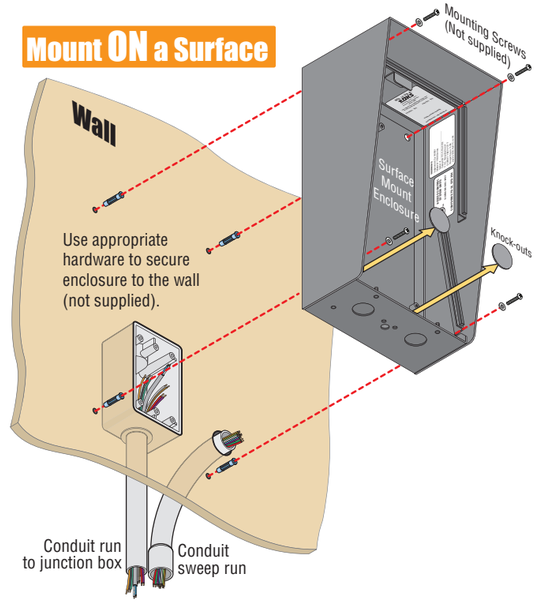
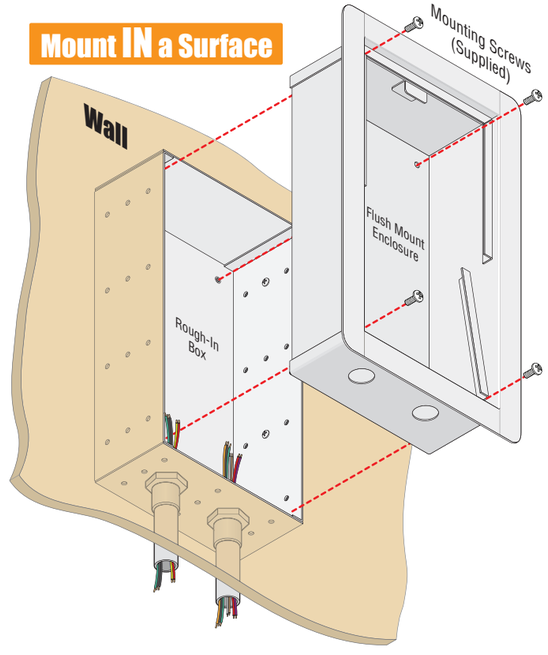
Mount ON a Surface



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

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.

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MASTER CODE

The 1802 is programmed from the factory with "**9 9 9 9**" as the default "Master Code". It can be re-programmed if desired.

Master Code Switch Description

Switch OFF - Normal operating mode positon.

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).

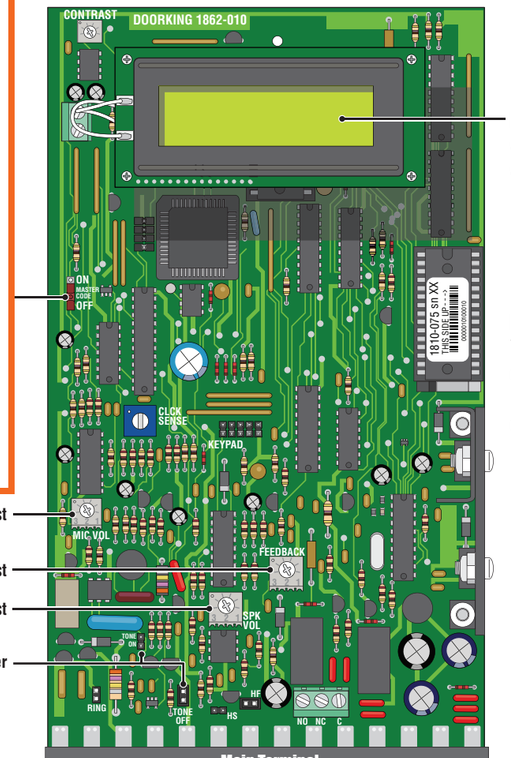
Re-Programming the "Master Code"

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

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

3. Turn Master Code switch **OFF**.

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.

Microphone Adjust
Feedback Adjust
Speaker Adjust
Tone On/Off Jumper

Main Terminal

PHONE	CGND	PSW	MICG	MIC	SPKR	COM	BAT	C	NC	NO	16AC	16AC

Power Input
16.5 VDC, 20 VA power.

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

Ferrite Filter
Wire polarity does not matter

Central Office Phone Line Input
touch tone, loop start

Phone Line

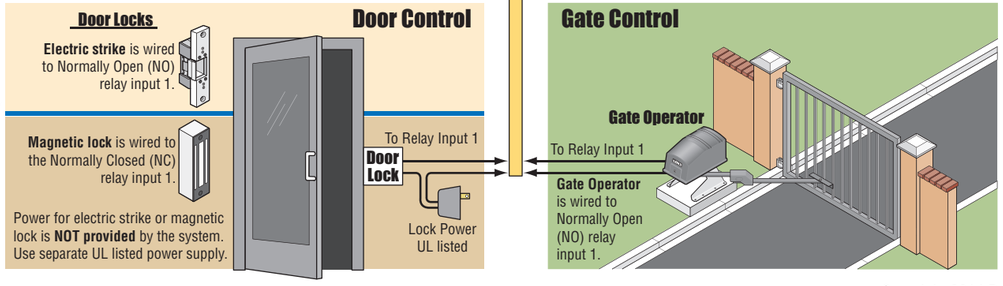
Wire Size	Distance
24 AWG	Up to 800 ft
22 AWG	Up to 1600 ft

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

Earth Ground
1802 MUST be Properly Grounded!

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

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.



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 [*][ABC 2][OPER 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 [OPER 0][*] (**beep**) to **cancel this function**, OR [ST 1][*] (**beeeeeep**) to **confirm the change**.
   The programming sequence will **automatically** end itself after pressing [ST 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.

Program Directory Codes and 7-Digit Phone Numbers into System

Program the **directory codes** and **7-digit phone numbers** into the system. Be sure you have programmed the **directory code length** before programming phone numbers.
Note: Directory code 0, 00, 000, 0000 should be used for **management** or an **emergency phone number**. Refer to manual for more information about this specific directory code.

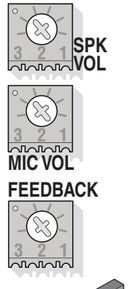
Note: If this telephone entry system is being used in an area that requires more or less than **7-digit dialing**, refer to manual for programming.

1. Press [*][OPER 0][ST 1] and enter your four-digit MASTER CODE [?][?][?][?] (**beep**). **Note:** Factory setting is "**9999**".
2. Choose and enter a **directory code (1, 2, 3 or 4 digits,** depending on what was programmed above), then press [*] (**beep**).
3. Enter a seven-digit **phone number** for the chosen directory code, then press [*] (**beep**).
4. Repeat steps 2 and 3 to enter additional **directory codes** and **7-digit phone numbers**.
   Note: The back of the manual contains log tables to record all of this information.
5. Press [OPER 0][*] together to end this programming sequence (**beeeeeep**).

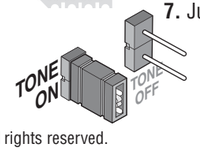
Basic Adjustments Required

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.