QUICKSTART "BASIC" INSTALLATION GUIDELINES FOR AN 1812 CLASSIC CABINET AND BY-PASS BOARD

It is highly recommended that you consult the Installation/Owner's manual for complete instructions on all the different types of installations. The 1812 Classic Telephone Entry System involves the installation of the 1812 Classic cabinet, the by-pass board for the incoming telephone line, and wiring of these components (On reverse side). Be sure that all dirt, metal or wood debris is removed from inside cabinet after mounting it. This could damage the control board and cause a malfunction during operation.

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120 Glasgow Avenue
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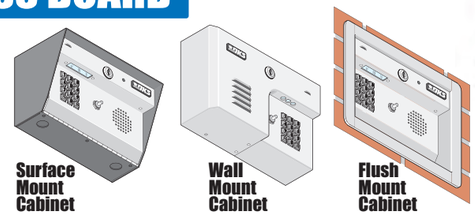
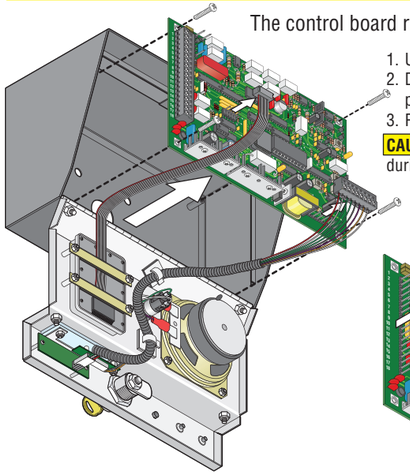


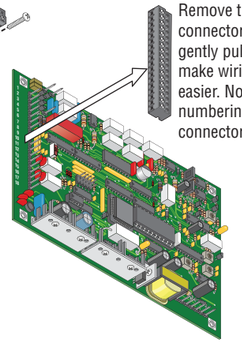
Remove Control Board from Cabinet

The control board removal is the same for all models.

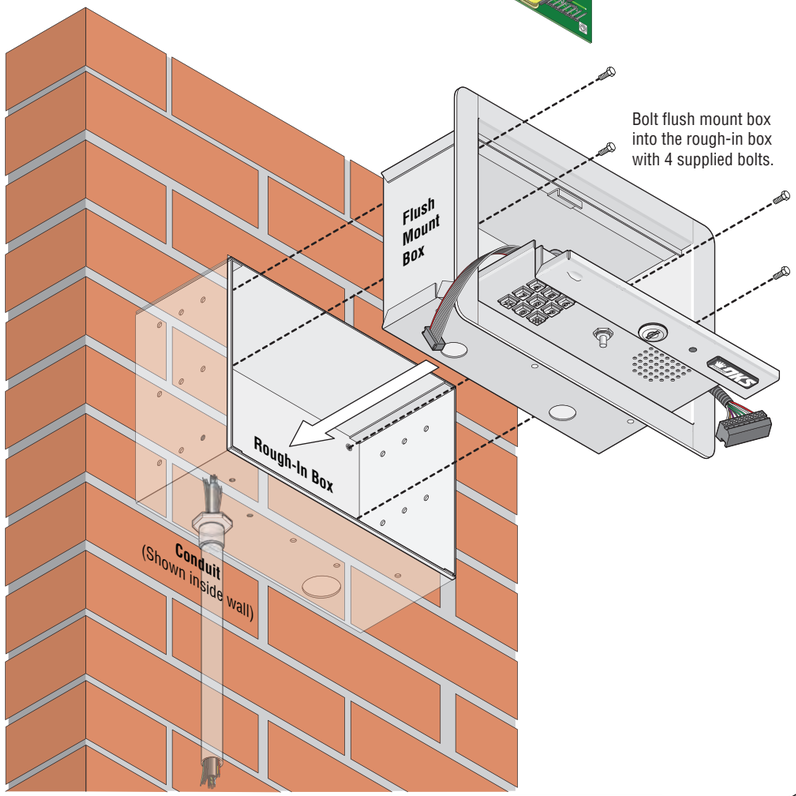


1. Unlock and open the 1812 Classic door.
2. Disconnect the keypad plug and door accessories plug from the control board.
3. Remove the 4 screws. Carefully remove control board.

CAUTION Keep the control board in a protected area during the installation.



Remove the 18-pin main terminal connector from the control board by gently pulling it straight up. This will make wiring to the control board easier. Note the orientation and numbering sequence of the connector to correctly wire it.

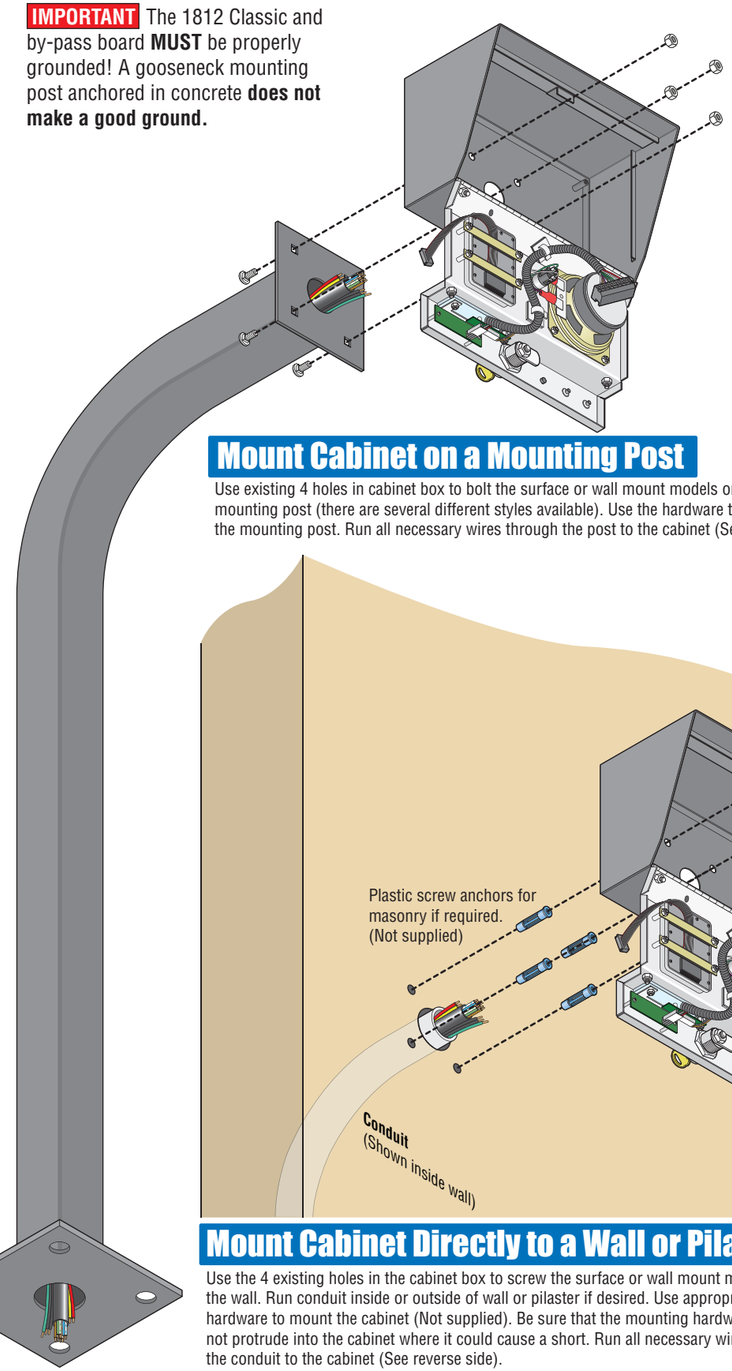


Bolt flush mount box into the rough-in box with 4 supplied bolts.

Flush Mount Cabinet in a Pilaster, Wall or Kiosk

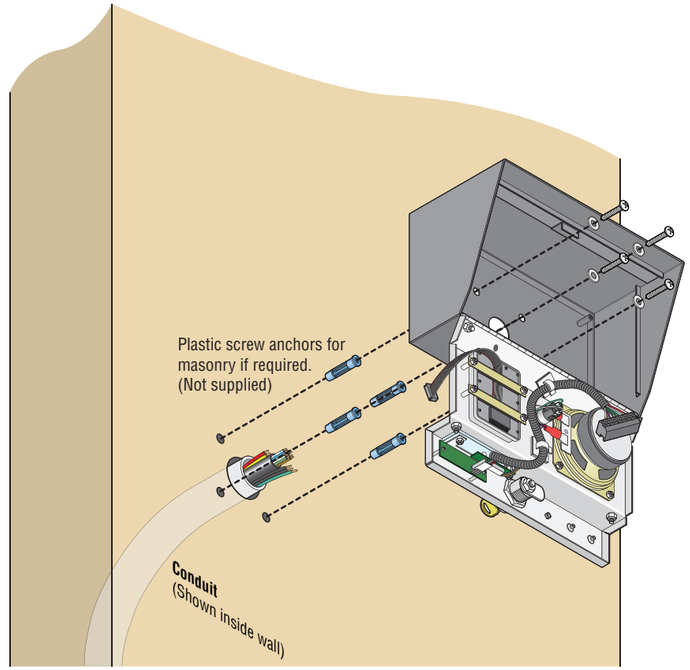
Mount rough-in box into the pilaster, wall or kiosk. Run conduit inside wall into bottom of rough-in box if desired. Use appropriate hardware (Not supplied) to secure the rough-in box in place. Run all necessary wires through the conduit in to the rough-in box (See reverse side).

IMPORTANT The 1812 Classic and by-pass board **MUST** be properly grounded! A gooseneck mounting post anchored in concrete **does not make a good ground.**



Mount Cabinet on a Mounting Post

Use existing 4 holes in cabinet box to bolt the surface or wall mount models on a DoorKing mounting post (there are several different styles available). Use the hardware that is supplied with the mounting post. Run all necessary wires through the post to the cabinet (See reverse side).



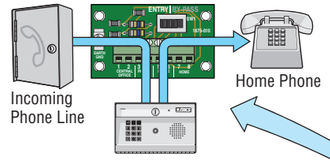
Mount Cabinet Directly to a Wall or Pilaster

Use the 4 existing holes in the cabinet box to screw the surface or wall mount models to the wall. Run conduit inside or outside of wall or pilaster if desired. Use appropriate hardware to mount the cabinet (Not supplied). Be sure that the mounting hardware does not protrude into the cabinet where it could cause a short. Run all necessary wires through the conduit to the cabinet (See reverse side).

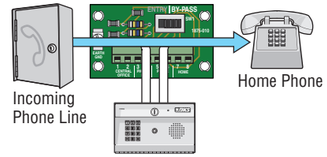
Install the By-Pass Board

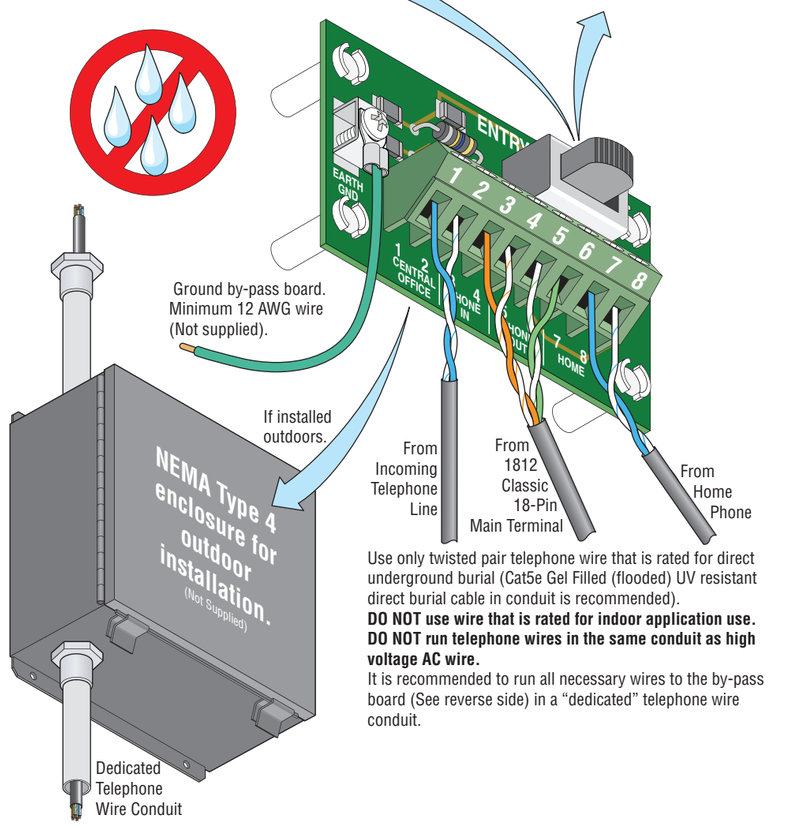
The 1812 Classic by-pass board provides a method to by-pass the 1812 Classic and route the incoming telephone line directly to the homeowner's phone. **It must be installed as part of the 1812 Classic system.** All telephone wires for the 1812 Classic must pass through the by-pass board.
Mount the by-pass board in a location that is easily accessible by the homeowner. In case of 1812 trouble or maintenance, the homeowner will use the by-pass switch on the board to route the incoming telephone line directly to their home phone. If the by-pass board is installed outdoors, it must be installed in a NEMA Type 4 enclosure (not supplied) with conduit to protect the board and wires from direct exposure to landscape sprinklers, rain, snow, and other elements.

"Entry" switch position:
Routes incoming phone line through 1812 Classic and then to the home phone.



"By-Pass" switch position:
Routes incoming phone line directly to the home phone, bypassing 1812 Classic.





Use only twisted pair telephone wire that is rated for direct underground burial (Cat5e Gel Filled (flooded) UV resistant direct burial cable in conduit is recommended).
DO NOT use wire that is rated for indoor application use.
DO NOT run telephone wires in the same conduit as high voltage AC wire.
It is recommended to run all necessary wires to the by-pass board (See reverse side) in a "dedicated" telephone wire conduit.

QUICKSTART "BASIC" WIRING GUIDELINES FOR AN 1812 CLASSIC SYSTEM WITH TWO ACCESS CONTROL DEVICES

It is highly recommended that you consult the Installation/Owner's manual for complete wiring instructions on all the different types of installations and programming.

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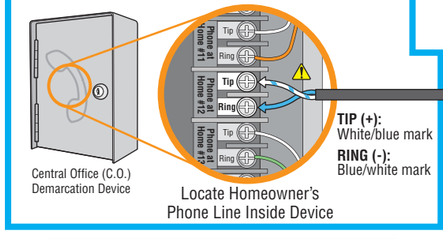
Basic Programming for the 1812 Classic

The 1812 Classic has been programmed at the factory with many of the programming parameters (factory settings) set for a typical residential application with a single 1812 Classic wired to an incoming phone line.

The 1812 is programmed from the factory with the last 4-digits of the control board serial number as the "Master Code" which is used to program all advanced features. If you are using more than a single 1812 Classic in the system, or if you are using any of the advanced features of the 1812 Classic, such as Time Zones, Do-Not-Disturb Schedules, Call Forward, Hold Open Schedules, Preprogrammed Phone Numbers, Access Codes, etc., you will need to download the complete Installation/Owner's manual from our tech support web site.

Telephone Company Demarcation Point

Use common electrical safety practices when connecting telephone wires. You can receive a substantial jolt if the phone rings while handling these wires."RING" terminal voltage varies and can be between -48 to -130 Volts AC, depending on the distance to the central office."TIP" terminal is always positive with respect to RING terminal.

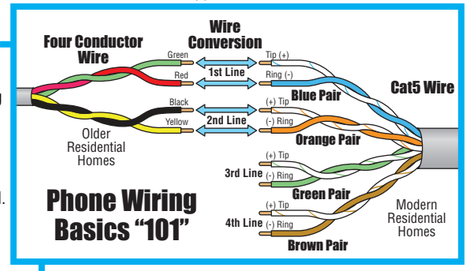


Central Office (C.O.) Demarcation Device

Locate Homeowner's Phone Line Inside Device

TIP (+): White/blue mark

RING (-): Blue/white mark



Cat5e

RJ31x Phone Jack installed Before 1812 System

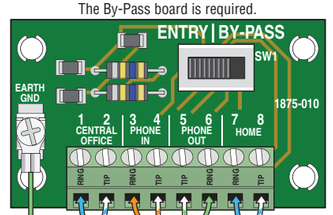
Cat5e

To "Existing" Alarm Control Panel

"Existing" Alarm System

By-Pass Board

The By-Pass board is required.



Phone Line Surge Suppressor
Optional P/N 1877-010

Recommended

Ground 12 AWG Min. Within 3 ft of Board

Ground

Ground 12 AWG Min.

Ground

Cat5e

Cat5e Without Surge Board

Orange Pair

Green Pair

Cat5e

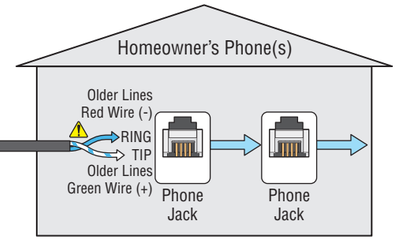
Telephone Wire Run (Cat5e) Table

Wire Size	Max Distance
24 AWG	800 ft
22 AWG	1600 ft
20 AWG	2200 ft
18 AWG	3600 ft

Check Polarity of Telephone Line
Check for polarity on the incoming telephone line to each board and maintain polarity throughout the telephone line (TIP (+), RING (-).

Cat5e **Gel Filled (flooded) UV resistant direct burial cable** run in conduit recommended.

DO NOT run telephone wires in the same conduit as high voltage AC wire.



Complete Instructions

This "Quickstart" guideline is designed for installing a single 1812 Classic in a typical single family home application using the factory settings already programmed in the 1812 Classic. Complete installation instructions manual is available on the enclosed CD **AND** from our tech support web site.

CLICK HERE TO VISIT DOORKING'S TECHNICAL WEB SITE:
www.dkaccess.com/english/Telephone_Entry/telephone_entry.html.

ReProgram MASTER CODE

The 1812 is programmed from the factory with the last 4-digits of the control board serial number as the "Master Code". It can be reprogrammed if desired.

Master Code Switch Description

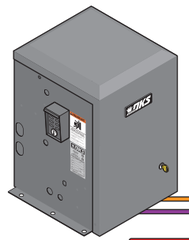
Switch OFF - Normal operating mode positon (position shown).

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).

Programming the "Master Code"

1. Turn Master Code switch ON.
2. Enter a four digit **Master Code** number then press "*", **"beep"** will be heard. **[_ _ _ _ (beep)]** (Write down your master code).
3. Turn Master Code switch OFF.

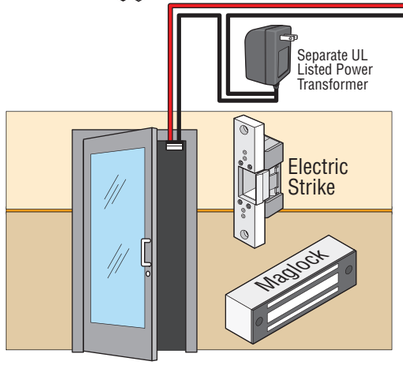
Access Control Devices



"Normally Open" Vehicular Gate Operator (Terminal 11 and 13)

Programming Relay 1 and 2 Strike Time - (Factory setting is 1 second)

1. Press * 0 3 and enter the MASTER CODE. **[* 0 3 _ _ _ _ (beep)]**
2. Enter "1" for relay 1 or "2" for relay 2, then press *. **[_ *(beep)]**
3. Enter a two-digit strike time (00-99), then press *. **[_ _ *(beep)]**
   Note: Strike time entered in seconds. 00 = ¼ sec., 06 = 6 seconds, etc.
4. Repeat steps 2 and 3 to set the other relay strike time if necessary.
5. Press "0 #" TOGETHER to end. **[0 # (beeeeeep)]**



"Normally Close" Pedestrian Gate/Door with Maglock
(Terminal 15 and 16)

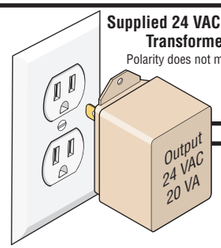
"Normally Open" Pedestrian Gate/Door with Electric Strike
(Terminal 14 and 16)

Magnetic locks or electric strikes must be powered from a separate UL Listed power transformer. **DO NOT** power electric strikes or magnetic locks from the 1812 Classic power transformer. keep power wire runs as short as possible.

24 VAC Power Transformer and Access Control Device(s) Wire Run Table

Wire Size	Max Distance
18 AWG	100 ft
16 AWG	200 ft

Supplied 24 VAC Power Transformer
Polarity does not matter.



Without Surge Board

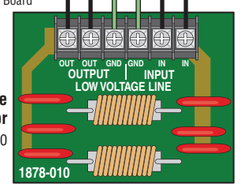
Recommended

Recommended

Ground 12 AWG Min. Within 3 ft of Board

Ground

Low Voltage Surge Suppressor
Optional P/N 1878-010



IMPORTANT All boards **MUST** be properly grounded or the system will **NOT** function correctly!

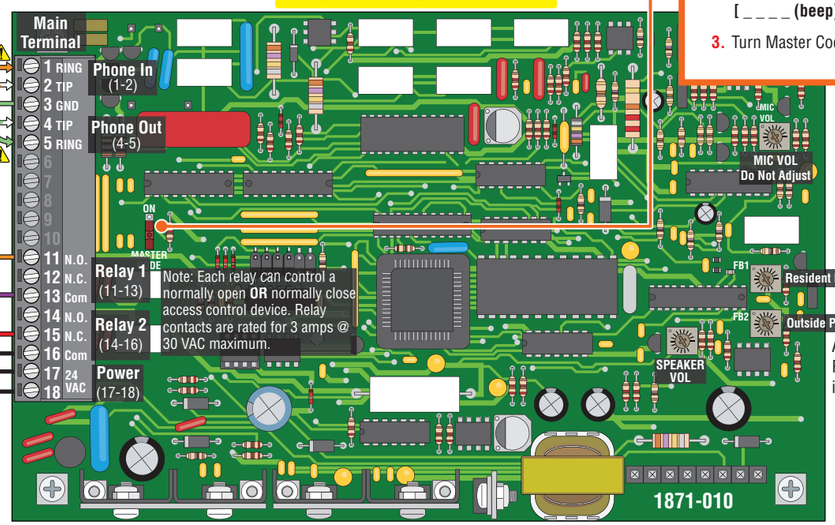
Orange Pair

Green Pair

Ground 12 AWG Min.

Ground

Control Board



Adjust feedback from phone lines if necessary. Refer to Installation/Owner's manual for more information.

Programming Momentary Access Codes

Programming Momentary Access Code(s) to Operate Relay 1 and/or 2 on a 24/7 Basis - (Maximum of 14 codes per relay)

1. Press * 0 2 and enter the MASTER CODE. **[* 0 2 _ _ _ _ (beep)]**
2. Enter a two-digit "location code" to determine which relay will be activated, (01-14) - relay 1's location **OR** (26-39) - relay 2's location, then press *. **[_ _ *(beep)]**
3. **Choose and** enter a four-digit **momentary** access code, then press *. **[_ _ _ _ *(beep)]**
4. Repeat steps 2 and 3 to enter additional **momentary access codes** for each relay, do not duplicate or go beyond "location code" number limits for each relay.
5. Press "0 #" TOGETHER to end programming. **[0 # (beeeeeep)]** (Write down all your access codes on log sheets in back of Installation/Owner's manual).

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