QUICKSTART “BASIC” INSTALLATION GUIDELINES FOR AN 1812 PLUS CABINET AND BY-PASS BOARD

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

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

Important Note: The 1812 Plus by-pass board provides a method to by-pass the 1812 Plus and route the incoming telephone line directly to the homeowner’s phone. It must be installed as part of the 1812 Plus system. All telephone wires for the 1812 Plus 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 wiring from direct exposure to landscape sprinklers, rain, snow, and other elements.

“Entry” switch position: Routes incoming phone line directly to 1812 Plus and then to the home phone.

“By-Pass” switch position: Routes incoming phone line directly to the homeowner’s phone, bypassing 1812 Plus.

Install the By-Pass Board

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).

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 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 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).

It is highly recommended that you consult the installation/owner’s manual for complete instructions on all the different types of installations. The 1812 Plus Telephone Entry System involves the installation of the 1812 Plus 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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**Basic Programming for the 1812 Plus**

The 1812 Plus has been programmed at the factory with many of the programming parameters (default setting) set for a typical residential application with a single 1812 Plus. However, you must program a “Master Code” before putting the 1812 Plus into service. If you are using more than a single 1812 Plus in the system, or if you are using any of the advanced features of the 1812 Plus, such as Time Zones, Do Not-OxStyling Schedules, Call Forwarding, Holiday Schedules, Hold Open Schedules, Directory Code Dial-Out Phone Numbers, Temporary Access Codes, etc., you will need to download the complete Installation/Owner’s and Programming Manual from our tech support web site.

**Telecom Company Demarcation Point**

Use common electrical safety practices when connecting telephone wires. You can receive a slight shock 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.

**Access Control Devices**

- Magnetic locks or electric strikes must be powered from a separate power transformer. DO NOT power electric strikes or magnetic locks from the 1812 Plus power transformer. Keep power wire runs as short as possible.

**Connecting Telephone Company**

Four conductor “Existing” Alarm System

1. To “Existing” Alarm Control Panel
2. Phone Line Surge Suppressor
3. Phone Line In
4. Phone Out
5. Phone Line Inside Device
6. Phone In

**Telephone Company Surge Suppressor**

Cat5 Wire

Use common electrical safety practices when connecting telephone lines (TIP (+), RING (-)).

**By-Pass Board**

The By-Pass board is required. Check for polarity on the incoming telephone line to each board and maintain polarity throughout the telephone line.

**Complete Instructions**

This “Quickstart” guideline is designed for installing a single 1812 Plus in a typical single family home application using the factory default settings programmed in the 1812 Plus. Complete installation instructions and programming manual is available on the enclosed CD and from our tech support web site. CLICK HERE TO VISIT DOORKING’S TECHNICAL WEB SITE: www.dooraccess.com/english/telephone_story/telephone_entry.html

**Program MASTER CODE**

Master Code LED Description

Blinking LED - Power is applied to the 1812 Plus and the processor is working (Normal Mode).

LED On Continuously - After master code push button has been pressed, system will be in Master Code programming mode. (Will revert back to blinking LED if master code is not entered within 10 seconds).

Push Button to Program “Master Code”

1. Press the Master Code push button. (the LED will stay on continuously).
2. Enter a four digit Master Code number then press “*” (beep) will be heard. 1 _ _ _ _ (Write down master code).

**Power Transformer and Access Control Device(s)**

- Wire Run Table:
  - Wire Size: 18 AWG, Max Distance: 100 ft
  - Wire Size: 16 AWG, Max Distance: 200 ft

**Programming Simple Access Codes**

Programming Simple Access Code(s) to operate Relay 1 and/or 2 on a 24V/7巴斯 (Maximum of 50 codes)

1. Press 0 for relay 1 OR Press 2 for relay 2, then press “*” (beep)
2. Enter a five-digit simple access code, then press “*” (beep)
3. Repeat steps 2 and 3 to set the other relay strike time if necessary.
4. Press “0 #” together to end. (Write down master code).

**Telephone and RS 485 Wire Run (Cat5e) Table**

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>Max Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 AWG</td>
<td>800 ft</td>
</tr>
<tr>
<td>22 AWG</td>
<td>1600 ft</td>
</tr>
<tr>
<td>20 AWG</td>
<td>2200 ft</td>
</tr>
<tr>
<td>18 AWG</td>
<td>3600 ft</td>
</tr>
</tbody>
</table>

**NOTE:** Check polarity of telephone line before 1812 Plus is connected to the circuit board.