

# QUICKSTART "BASIC" INSTRUCTIONS FOR 1812 PLUS and ACCESS PLUS



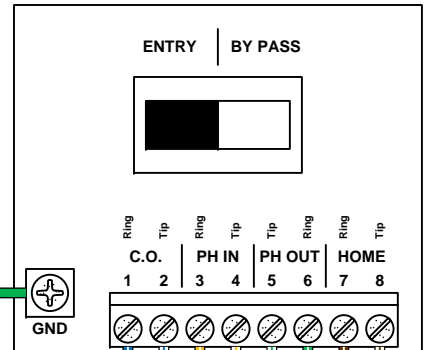
**! CAUTION**

Use common electrical safety practices when connecting telephone wires. You can receive a substantial jolt if the phone rings while handling these wires.

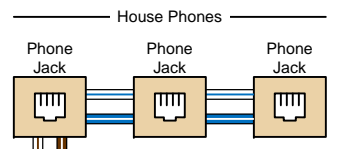
"RING" terminal voltage varies and can be between - 48 to -130 Volts DC, depending on the distance to the central office.

"TIP" terminal is always positive with respect to RING terminal.

## Bypass Switch



Be sure to reconnect ALL house phones to the circuit.



- ### TERMINALS
- Phone In
  - Phone In
  - Ground
  - Phone Out
  - Phone Out
  - Not Used.
  - Switch Input Rly 1.
  - Switch Input Rly 2.
  - Battery - 12 VDC
  - Battery + 12 VDC
  - RLY 1 Norm Open
  - RLY 1 Norm Closed
  - RLY 1 Com
  - RLY 2 Norm Open
  - RLY 2 Norm Closed
  - RLY 2 COM
  - 16.5 VAC Input Pwr
  - 16.5 VAC Input Pwr

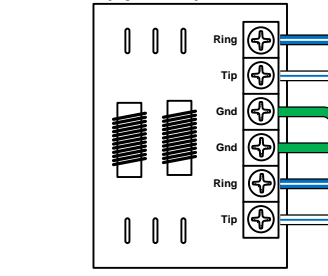
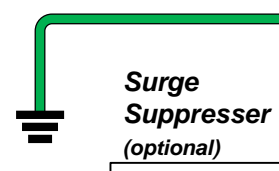
### INSTALLATION INSTRUCTIONS / MANUAL

This "Quickstart" guideline is designed for installing a single 1812 in a typical single family home application using the factory default settings programmed in the 1812. Complete installation instructions and programming manual is available for free from our tech support website. **Please visit [www.dkaccess.com/english/telephone\\_entry.html](http://www.dkaccess.com/english/telephone_entry.html).**

### PROGRAMMING

The 1812 has been programmed at the factory with many of the programming parameters (default setting) set for a typical residential application with a single 1812. **However, you must program a Master Code before putting the 1812 into service.**

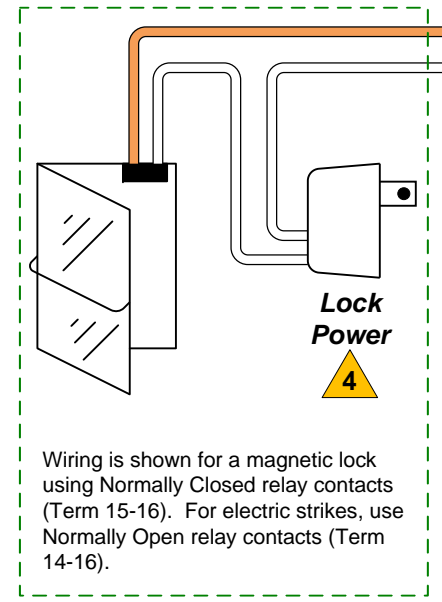
If you are using more than a single 1812 in the system, or if you are using any of the advanced features of the 1812, such as Time Zones, Do-Not-Disturb Schedules, Call Forwarding, Holiday Schedules, Hold Open Schedules, Directory Code Dial-Out Phone Numbers, Temporary Access Codes, etc., you will need to download the complete installation and programming manual from our tech support website.



**Central Office (C.O.) Network Interface Device**  
(also called a "demarcation" point)

If surge suppresser is not used, connect wires directly to bypass switch.

Relay 1 To Gate Operator OPEN terminals.



Wiring is shown for a magnetic lock using Normally Closed relay contacts (Term 15-16). For electric strikes, use Normally Open relay contacts (Term 14-16).

**Power Transformer 16.5 VAC, 20 VA**

- Typical wiring using Cat5e or Cat 6 cable. Recommend Cat5e Gel Filled (flooded) UV Resistant Direct Burial cable run in conduit..
- Use minimum 18 AWG wire. Power with 16.5 VAC Transformer only. DO NOT power the 1812 from a 24 Volt source, such as a gate operator low voltage supply circuit.
- Surge suppresser ground wire should be 3-ft or less in length.
- DO NOT power magnetic locks or door strikes from the 1812 power transformer. These devices MUST be powered from a separate source.
- If alarm is present (Typically an RJ31x Jack), interface BEFORE surge suppresser and/or bypass switch.

### Master Code LED

Blinking LED - power is applied to the 1812 and the processor is working.

Steady LED - system is in Master Code programming mode. (Reverts to blinking if master code is not entered within 10-seconds)

### 1 - Master Code

- Press the Master Code push button. (the LED will stay on steady).
- Enter a four digit Master Code number then press \*.  
----\* (beep)

### 2 - Relay Strike Time - 1/4 to 99 sec.

- Press \* 0 3 and enter the Master Code.  
\* 0 3 ---- (beep)
- Press 1 for relay 1 or press 2 for relay 2, then press \*.  
\_ \* (beep)
- Enter a two digit strike time (00-99) and then press \*.  
\_\_ \* (beep)
- Press 0 # TOGETHER to end.  
0 # (beeeeeep)

Note: Time entered in step 3 is in seconds. 00 = 1/4 sec., 10 = 10 seconds, etc.

### 3 - Simple Access Codes - 50 Max

- Press \* 0 2 and enter the Master Code.  
\* 0 2 ---- (beep)
- Press 1 for relay 1 or press 2 for relay 2, then press \*.  
\_ \* (beep)
- Enter a five digit access code and then press \*.  
----- \* (beep)
- Repeat steps 2 and 3 to enter additional codes.
- Press 0 # TOGETHER to end.  
0 # (beeeeeep)

### PHONE WIRING "101"

Modern Wiring <sup>1</sup> Cat5e or Cat6	Old Wiring Four Conductor	
Tip 1 = WHITE / Blue Mark	Green	Green
Ring 1 = BLUE / White Mark	Red	Red
Tip 2 = WHITE / Orange Mark	Black	Black
Ring 2 = ORANGE / White Mark	Yellow	Yellow
Tip 3 = WHITE / Green Mark		
Ring 3 = GREEN / White Mark		
Tip 4 = WHITE / Brown Mark		
Ring 4 = BROWN / White Mark		

1. Recommend Cat5e Gel Filled (flooded) UV Resistant Direct Burial cable.