QUICK START GUIDE | EDGE E¹

START HERE →

1 Unpack box and make sure you have all items shown here.
(Screwdriver not shown.)

Edge Unit
(27-210 shown)

12-V AC/DC Adapter
(PS-12DC1)

Key

Carriage Bolt
(4x)

Hex Nut
(4x)

2 Unlock and open front panel of unit for mounting, wiring, and setup.

3 Mount unit to pedestal using included mounting hardware.
(This step may be completed later.)

⚠ WARNING ⚠

AUTOMATIC GATES CAN CAUSE SERIOUS INJURY OR DEATH!

ALWAYS CHECK THAT THE GATE PATH IS CLEAR BEFORE OPERATING!

REVERSING OR OTHER SAFETY DEVICES SHOULD ALWAYS BE USED!

⚠ CAUTION ⚠

Use all four carriage bolts when mounting the unit to a pedestal.
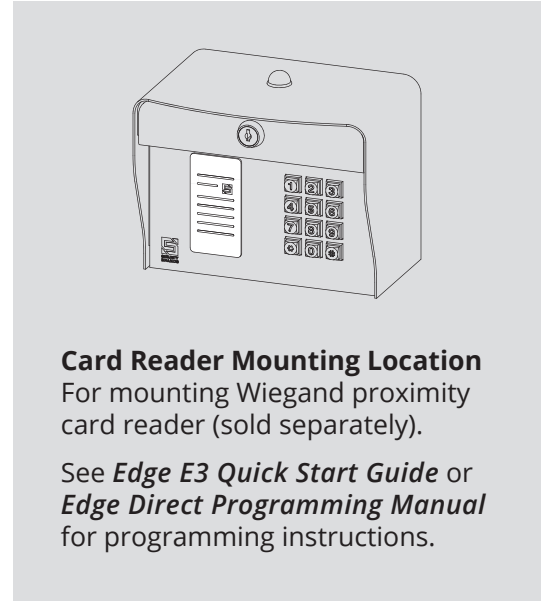
Leave the antenna in place.

Seal all openings created in the enclosure.

Failure to follow these instructions can damage the unit and/or cause it not to function correctly!

What's what?

All important components labeled

Card Reader Mounting Location
For mounting Wiegand proximity card reader (sold separately).

See *Edge E3 Quick Start Guide* or *Edge Direct Programming Manual* for programming instructions.

Digital Input Terminals
For connecting various accessories
See **Page 5**

Wiegand Terminals
For wiring to Wiegand devices
See **Page 6**

Power, Relay, Event Terminals
For wiring to power, wiring to gate operator or door opener, and connecting request-to-exit devices
See **Pages 3 and 5**

Relay Status LEDs
Relay is active when lit

Reset Button (FAC. RST.)
For performing reset procedures
See **Page 16**
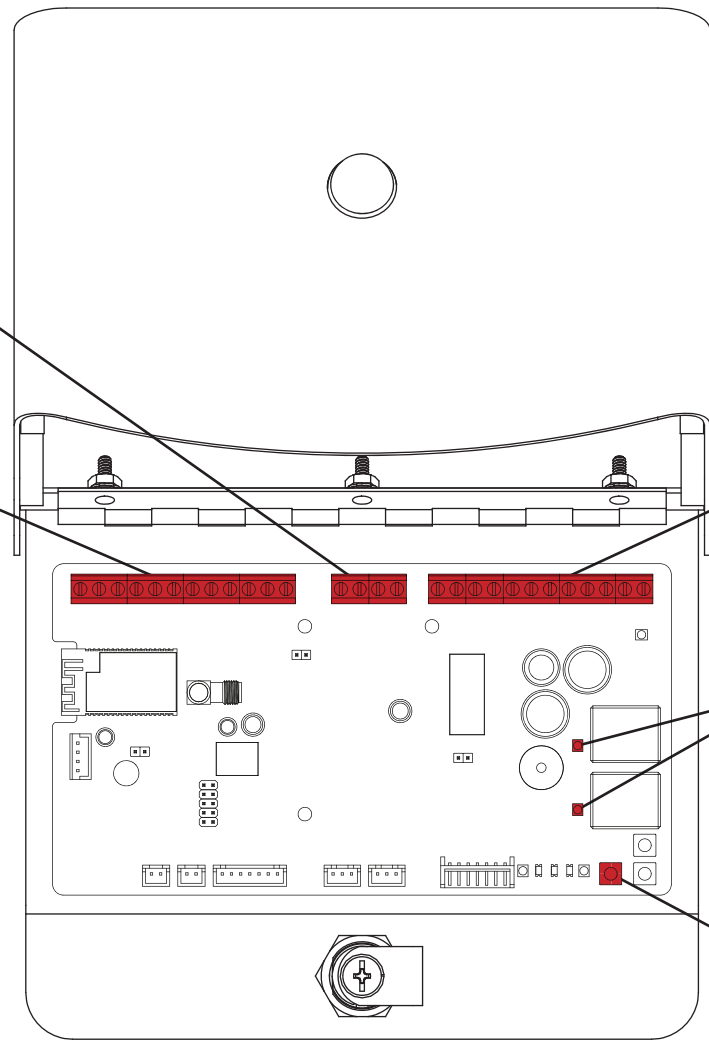
Unit shown with front panel open.
Wiring/cabling not shown for clarity.

4 Connect wires.

Feed wires through back of unit, and connect as shown using included screwdriver.

Excessive force can damage unit!

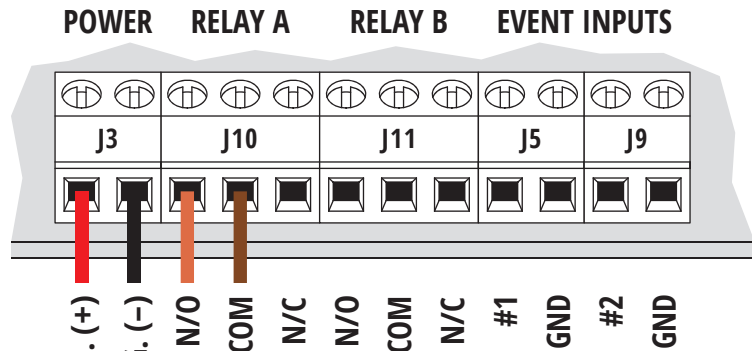Additional wiring diagrams can be found on **Pages 5 and 6**.

⚠️ **CAUTION** ⚠️

If the included 12-V AC/DC adapter will not be used, please go to **Page 4** and follow the procedure, **Using a Third-Party Power Source**.
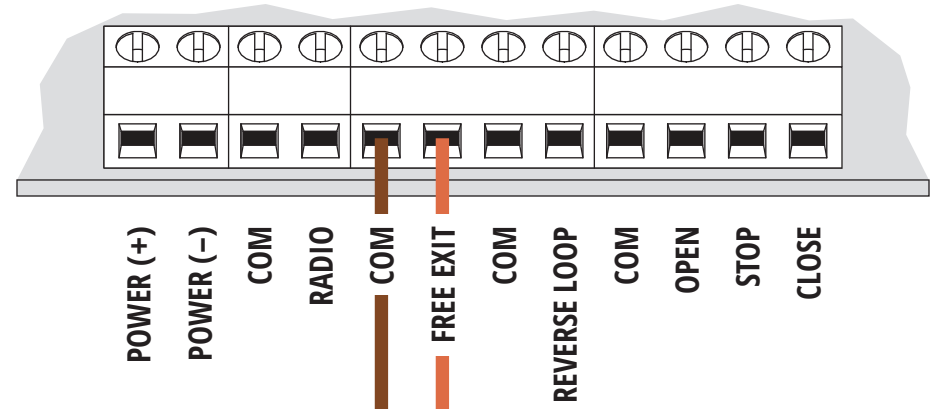
Do not exceed 24 VAC/DC! Failure to choose a compatible power source can damage the unit!

Edge Power, Relay, Event Terminals

9–30 VAC/DC
POWER   **RELAY A**   **RELAY B**   **EVENT INPUTS**

J3   J10   J11   J5   J9

POS. (+)   NEG. (−)   N/O   COM   N/C   N/O   COM   N/C   #1   GND   #2   GND

Gate Operator / Door Opener

POWER (+)   POWER (−)   COM   RADIO   COM   FREE EXIT   COM   REVERSE LOOP   COM   OPEN   STOP   CLOSE
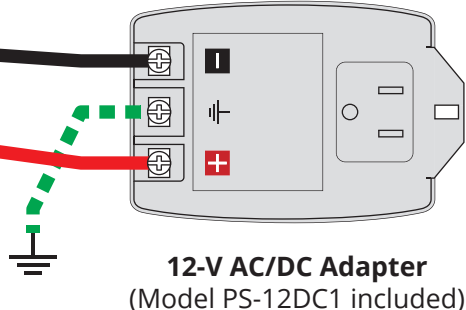
Relay B can be wired to a second device in the same manner.

Third-Party 12–24-VAC/DC Power Source

OR

The GROUND terminal is optional unless required by local code(s). If using, please connect to earth ground or equivalent.

12-V AC/DC Adapter
(Model PS-12DC1 included)

Consult gate/door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

If plugging into duplex outlet, remove screw from outlet plate, and secure with included screw.

Using a Third-Party Power Source (Optional)

⊙ IMPORTANT ⊙

If you would like to use a third-party power source such as solar, verify that it conforms to the following specs:

Input	9–30 VAC/DC **no more than 10% beyond this range**
Current Draw	less than 111 mA @ 12 VDC less than 60 mA @ 24 VDC

4a Connect wires to unit as shown in Step 4.

4b Connect wires to your power source, making sure you connect positive to positive and negative to negative.
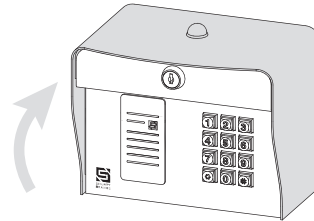
⚠ CAUTION ⚠

Double check that you have wired from positive on the Edge unit to positive on your power source and negative on the Edge unit to negative on your power source.

Reverse polarity can damage the unit!

---

5 Close front panel of unit and lock it.

❗ STOP ❗

Before going forward, double check all wiring and make sure the unit has power!

Wiring diagrams for connecting to accessory devices can be found on **Pages 5 and 6**.

For connecting accessories not mentioned, please contact **Technical Support**.

Make sure the gate or door path is clear before completing Step 7!

---

6 Add Access Code to Relay A.
(To add multiple codes, enter each of them before pressing pound key.)

1	2	5	1	→	1	→	_	_	_	_	→	#

Master Code
(can be changed)

Sub Mode

Access Code to Be Added
(4 digits by default; numbers only)

NOTE: The green arrow indicates a "good" tone on the Edge unit. By default, the following codes are reserved and cannot be used: 1251, 1273, 1366, 1381, 1387, 1678, 1752, and 1985.

---

7 Make sure gate or door path is clear; then enter access code on keypad, and confirm gate or door opens.
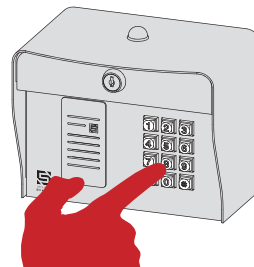
✓ INSTALLATION COMPLETE!

Jump to **Page 7** to continue programming and download the Edge Smart Keypad app.

SECURITY BRANDS

A Event Inputs

Wiring for accessories such as a request-to-exit device

Edge Power, Relay, and Event Terminals

9–30 VAC/DC
POWER   **RELAY A**   **RELAY B**   **EVENT INPUTS**

J3   J10   J11   J5   J9

POS. (+)   NEG. (−)   N/O   COM   N/C   N/O   COM   N/C   EVNT2   GND   EVNT1   GND
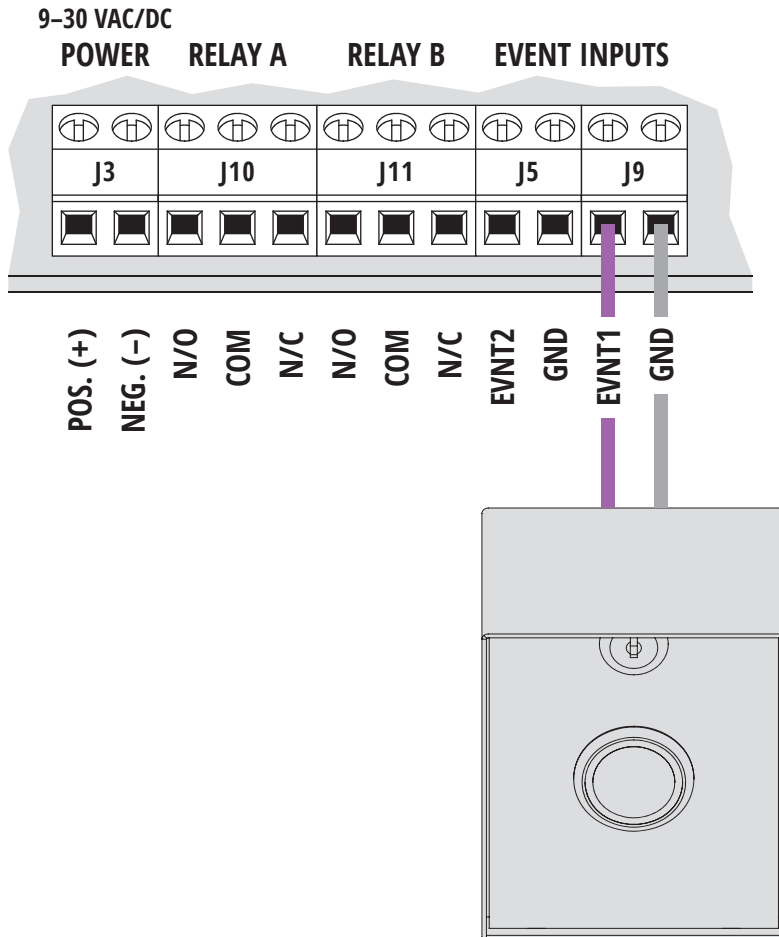
Request-to-Exit Device

(**58-RTE-P** is shown)

Event Input configuration instructions can be found on **Pages 10 and 11**.

B Digital Inputs

Wiring to various accessories

Edge Digital Input Terminals

DIGITAL INPUTS

J14   J13

#1   GND   #2   GND

Door Switch

Alarm Contact

To Alarm System
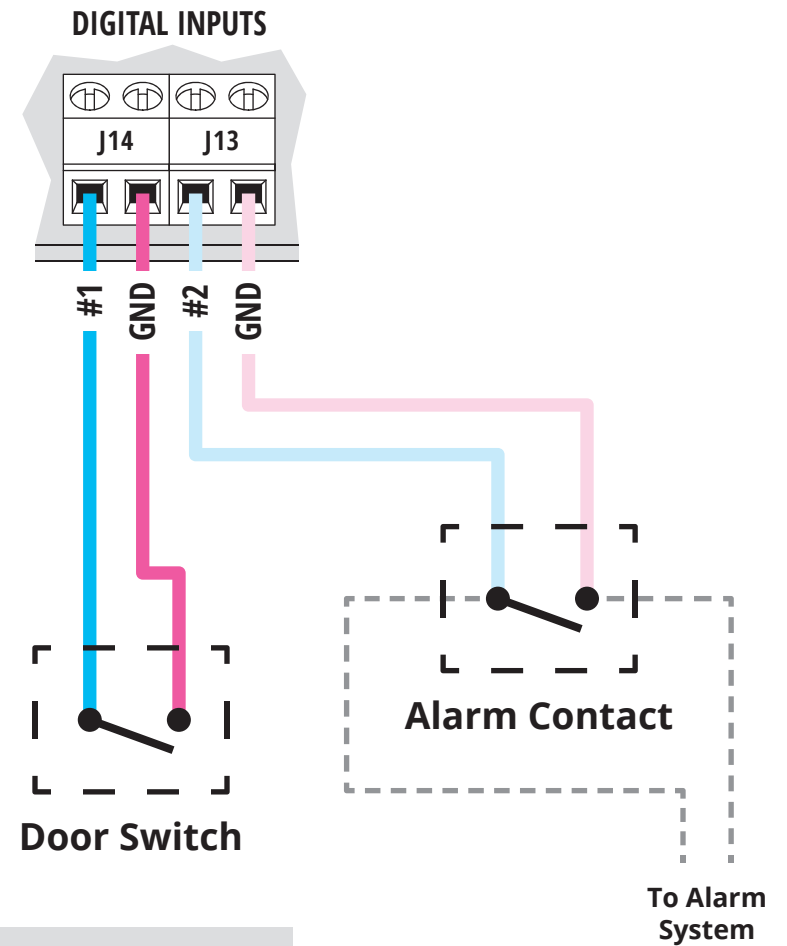
Digital Inputs can be configured using the Edge Smart Keypad app.

C Wiegand Device

Wiring for a Wiegand device

Wiegand configuration instructions can be found on **Page 14**.

Wiegand Device

WIEGAND OUTPUTS

Edge Wiegand Terminals

DOOR/READER A
WIEGAND 1

DOOR/READER B
WIEGAND 2

⚠ **CAUTION** ⚠

Disconnect power to the Edge unit before connecting Wiegand devices.

Failure to disconnect power can damage the unit!
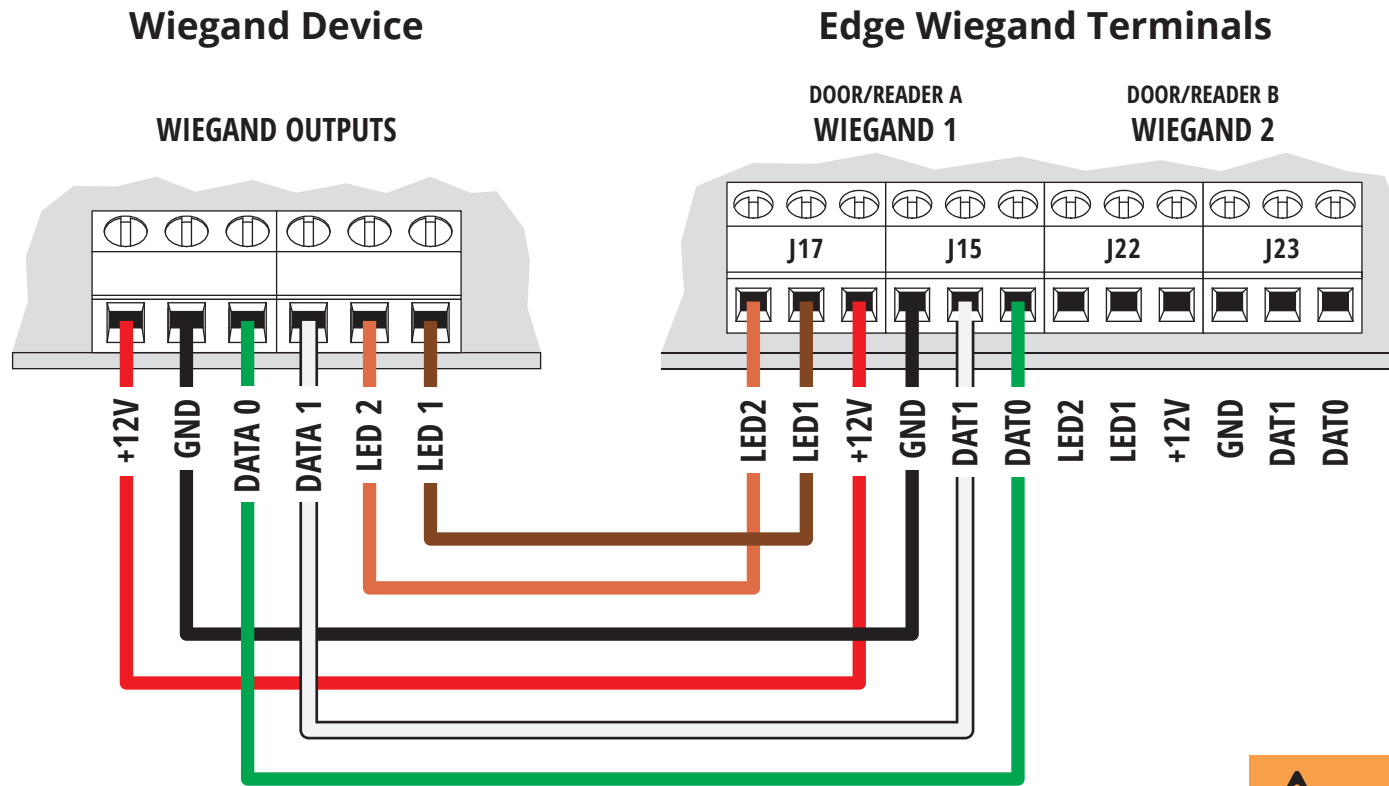
If mounting a Wiegand card reader to the Edge unit front panel, remove the existing cover plate and hex nuts to reveal the mounting holes and wiring passthrough hole.

Downloading the Edge Smart Keypad App for iOS/Android

⚠ The Edge Smart Keypad app is for **ADMINISTRATOR USE ONLY** and is not intended for users.

a Grab your smartphone or tablet. (These steps are optional. Unit can be fully programmed from keypad.)

b Navigate to your app store, and search for "edge smart keypad."

c Find the Edge Smart Keypad app by Security Brands, Inc. and download it.

Edge Smart Keypad
Security Brands, Inc.

❓ NEED HELP ❓

If you need further assistance, please call Technical Support at **(972) 474-6390**.

D Pairing Edge Unit

Connecting your mobile device to your Edge unit for use with app.

The app is available for administrators who want to use it. Nearly all functionality is available through direct programming via the keypad.

❗ **IMPORTANT! Make sure your Edge unit is powered on and that Bluetooth is enabled on your mobile device or pairing will not work.**

Step 1 - Grab your mobile device and open the Edge Smart Keypad app.
If you do not have the app, follow the steps on this page for downloading it.

Step 2 - Fill out your account information and tap the "Sign Up" button.
If you have already created an account, you will log in instead.

Step 3 - On the Paired Keypads screen, tap the "Add Keypad" button.

Step 4 - On the Add Keypad screen, tap the Edge unit you want to pair.
If you do not see any Edge units listed, make sure your Edge unit is powered on and is in Bluetooth range.

Step 5 - Complete the procedure shown on your mobile device.
These steps will be completed using the PIN pad on your Edge unit.

Step 6 - Enter the Master Code (default is 1251) on your mobile device.

Step 7 - Enter the code shown on your mobile device at the Edge unit.
This step must be completed within the time duration displayed.

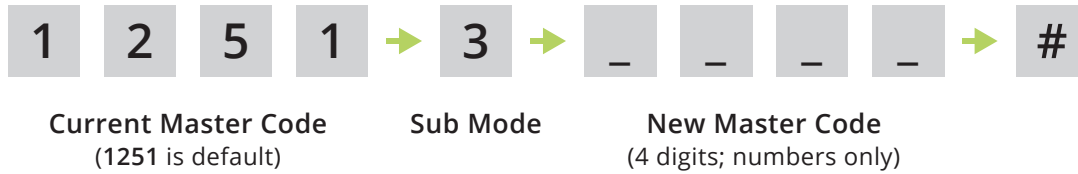**Step 8 - Change your Master Code if you like.**
This step is recommended, but optional, and can be done at a later time.

Your new Edge unit is now be paired and will appear on the Paired Keypads screen. Tapping on the Edge unit on this screen will give you access to relay control and full access control management of the Edge unit from within the app.
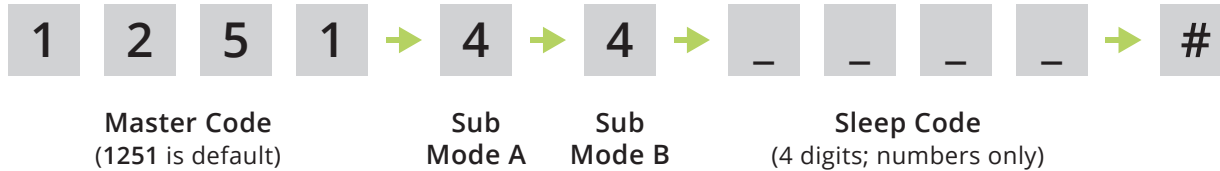
E1 Direct Programming / Unit Configuration

Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

By default, these codes are unavailable for use: 1251, 1273, 1366, 1381, 1387, 1678, 1752, 1985.

Change Master Code
(Highly recommended for security purposes)

| 1 | 2 | 5 | 1 | → | 3 | → | _ | _ | _ | _ | → | # |

Current Master Code
(**1251** is default)

Sub Mode

New Master Code
(4 digits; numbers only)

FIND MORE

For all programming not shown here, as well as reset procedures and the Edge Smart Keypad app user guide, please visit our Edge start page:

securitybrandsinc.com/edge/

Change Sleep Code

| 1 | 2 | 5 | 1 | → | 4 | → | 4 | → | _ | _ | _ | _ | → | # |

Master Code
(**1251** is default)

Sub Mode A

Sub Mode B

Sleep Code
(4 digits; numbers only)

Programming Sub Modes

1	Add Access Code(s) to Relay A
2	Delete Code (Non-Wiegand)
3	Change Master Code
4 - 3	Add Latch Code to Relay B
4 - 4	Change Sleep Code
4 - 5	Change Code Length (Non-Wiegand)
4 - 6	Change Relay Trigger Time
4 - 7	Enable/Disable Timers and Schedules
4 - 8	Enable/Disable "3 Strikes, You're Out"
4 - 9	Configure Event Input 1
5	Add Latch Code to Relay A
6	Configure Wiegand Inputs
7	Add Access Code(s) to Relay B
8	Add Limited-Use Code
0	Delete All Codes and Timers

Things to Know

The Star Key (*)
If a mistake is made, pressing the star key deletes your entry. Two beeps will sound.

The Pound Key (#)
The pound key is good for one thing and one thing only: exiting programming mode.

www.ShopAmericanAccess.com | (800) 878-7829 | Sales@ShopAmericanAccess.com QSG2721027215-EN Rev. D (3/2023)

SECURITY BRANDS

E2 | Direct Programming / Unit Configuration

Green arrow indicates "good" tone on unit.
Always wait for good tone before moving on.

Change Code Length

⊘ IMPORTANT! THIS WILL DELETE ALL NON-WIEGAND ACCESS AND LATCH CODES!
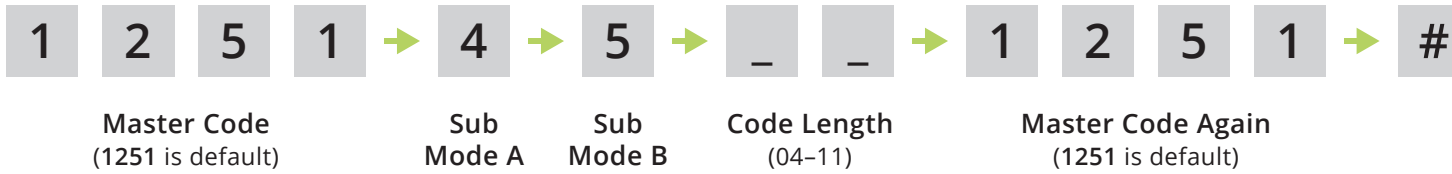
| 1 | 2 | 5 | 1 | → | 4 | → | 5 | → | _ | _ | → | 1 | 2 | 5 | 1 | → | # |

Master Code
(**1251** is default)   Sub Mode A   Sub Mode B   Code Length (04–11)   Master Code Again (**1251** is default)

Change Relay Trigger Time

| 1 | 2 | 5 | 1 | → | 4 | → | 6 | → | _ | → | _ | _ | _ | → | # |

Master Code
(**1251** is default)   Sub Mode A   Sub Mode B   Relay (1 for A; 2 for B)   Trigger Time in Seconds (001–999)

Enable/Disable Timers and Schedules

| 1 | 2 | 5 | 1 | → | 4 | → | 7 | → | 🔊 | → | _ | → | # |

Master Code
(**1251** is default)   Sub Mode A   Sub Mode B   Current State (On: 1 beep; Off: 2 beeps)   Configure (1 for no change; 2 to change state)

Enable/Disable "3 Strikes, You're Out"

(When enabled, the unit will sound an alarm and go into a 90-second lockdown for 90 seconds when an incorrect code is entered three times.

| 1 | 2 | 5 | 1 | → | 4 | → | 8 | → | 🔊 | → | _ | → | # |

Master Code
(**1251** is default)   Sub Mode A   Sub Mode B   Current State (On: 1 beep; Off: 2 beeps)   Configure (1 for no change; 2 to change state)

E3 | Direct Programming / Unit Configuration

> Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

Toggle Silent Mode

(Toggles Silent Mode, which mutes all audible-tone feedback on unit)
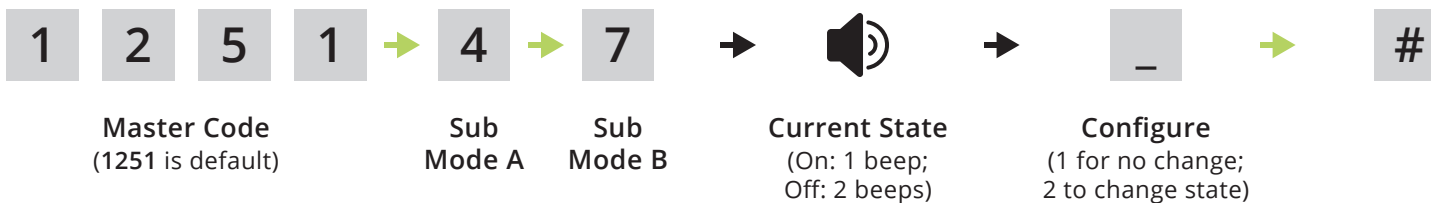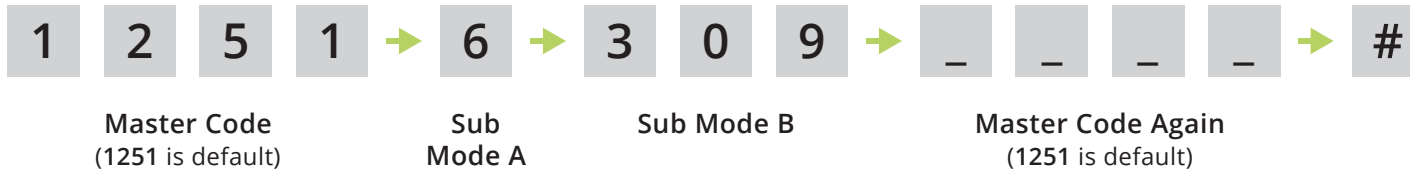
1 2 5 1 →	6 →	3 0 9 →	_ _ _ _ →	#
Master Code (**1251** is default)	**Sub Mode A**	**Sub Mode B**	**Master Code Again** (**1251** is default)	

Configure Event Input 1

(Allows an external device to affect keypad operation or trigger a relay. To configure additional inputs, use the Edge Smart Keypad app.)

Mode 1 - Remote Open Mode

Triggers either Relay A or Relay B when event input state changes from normally open (N/O) to normally closed (N/C).

Mode 2 - Log Mode

Makes log entry of event input state when event input state changes from normally open (N/O) to normally closed (N/C).

Mode 3 - Remote Open and Log Mode

Combines Modes 1 and 2.

Mode 4 - Arming Circuit Mode

Enables either Relay A or Relay B when event input state changes from normally open (N/O) to normally closed (N/C). Otherwise, selected relay is disabled.

Mode 5 - Remote Operation Mode

Triggers or latches either Relay A or Relay B when event input state changes from normally closed (N/C) to normally open (N/O).

Mode 0 - Event Input 1 Disabled

Modes 1, 3, and 4

1 2 5 1 →	4 →	9 →	🔊 →	_ →	_ →	#
Master Code (**1251** is default)	**Sub Mode A**	**Sub Mode B**	**Current State** (Unit beeps mode number or good tone when disabled)	**Event Mode** (1, 3, 4)	**Relay** (1 for A; 2 for B)	
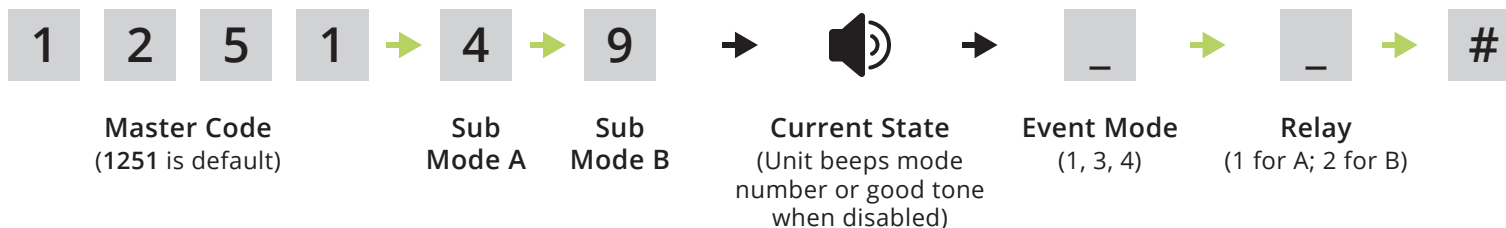
E4 Direct Programming / Unit Configuration

Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

Configure Event Input 1 (continued)

(Allows an external device to affect keypad operation or trigger a relay. To configure additional inputs, use the Edge Smart Keypad app.)

Mode 2

1 2 5 1	→ 4	→ 9	→ 🔊	→ 2	→ #

Master Code (1251 is default)
Sub Mode A
Sub Mode B
Current State (Unit beeps mode number or good tone when disabled)
Event Mode

Mode 5

1 2 5 1	→ 4	→ 9	→ 🔊	→ 5	→ _	→ _	→ #

Master Code (1251 is default)
Sub Mode A
Sub Mode B
Current State (Unit beeps mode number or good tone when disabled)
Event Mode
Setting (1 for Relay; 2 for Relay Operation)
Relay (0 for A; 1 for B)

_ → #

Relay Operation (0 for trigger; 1 for latch)

Disable Event/Digital Inputs (Mode 0)

1 2 5 1	→ 4	→ 9	→ 🔊	→ 0	→ #

Master Code (1251 is default)
Sub Mode A
Sub Mode B
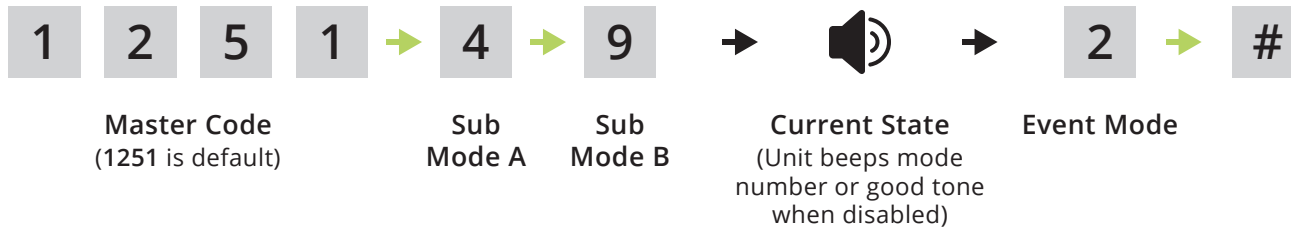**Current State** (Unit beeps mode number or good tone when disabled)
Event Mode

E5 Direct Programming / Unit Configuration

> Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

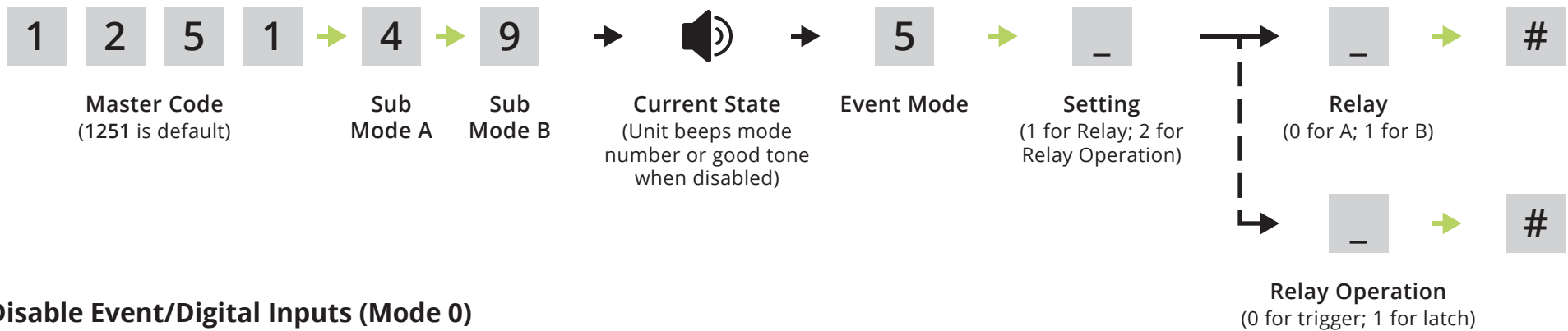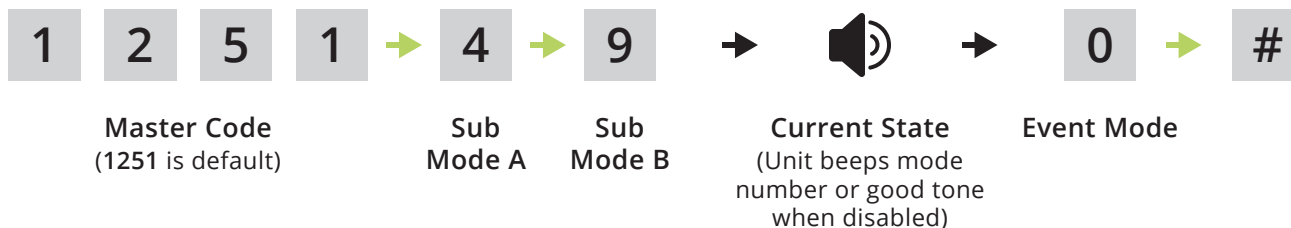### Configure Wiegand Input

(Allows enabling or disabling of a Wiegand input and configuration of the Wiegand device type. For the tag reader type, use the Edge Smart Keypad app.)

1 2 5 1	→ 6	→ _	→ 5 0 0	→ _	→ #
Master Code (**1251** is default)	**Sub Mode A**	**Wiegand Input** (1 for 1; 2 for 2)	**Sub Mode B**	**Configuration** (0 for disabled; 1 for keypad; 2 for card reader; 3 for remote)	

Change Default Facility Code

1 2 5 1	→ 6	→ _	→ 1 0 6	→ _ _ _	→ #
Master Code (**1251** is default)	**Sub Mode A**	**Wiegand Input** (1 for 1; 2 for 2)	**Sub Mode B**	**Facility Code** (000–255)	

F1 Direct Programming / Onboard Keypad

> Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.
>
> By default, these codes are unavailable for use: 1251, 1273, 1366, 1381, 1387, 1678, 1752, 1985.

Add Access Code(s) to Relay B

(To add multiple codes, enter each of them before pressing pound key)

1 2 5 1	→ 7	→ _ _ _ _	→ #
Master Code (**1251** is default)	**Sub Mode**	**Access Code(s) to Be Added** (4 digits by default; numbers only)	

www.ShopAmericanAccess.com | (800) 878-7829 | Sales@ShopAmericanAccess.com QSG-2721027215-EN Rev. D (3/2023)
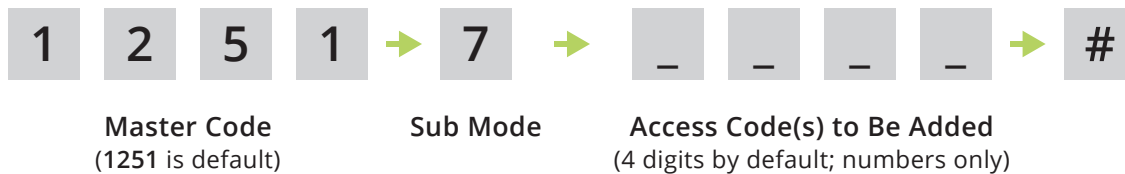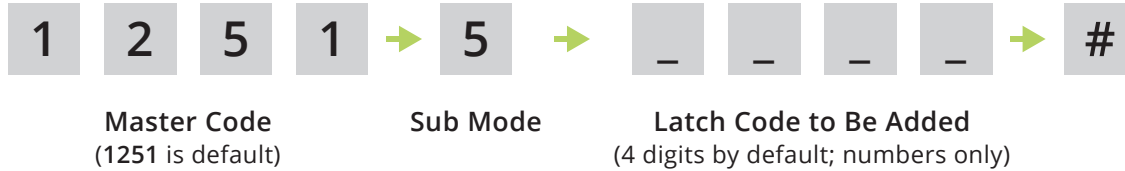
QUICK START GUIDE | EDGE E¹
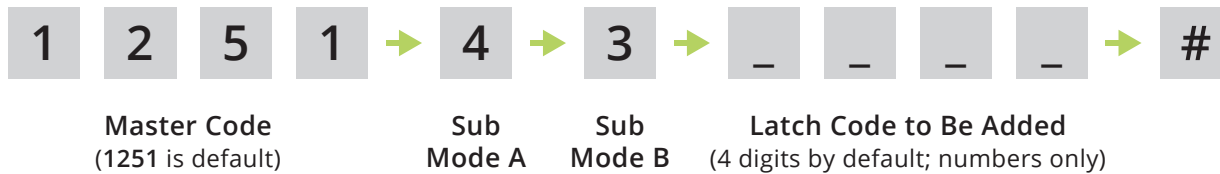
F2 Direct Programming / Onboard Keypad

> Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.
>
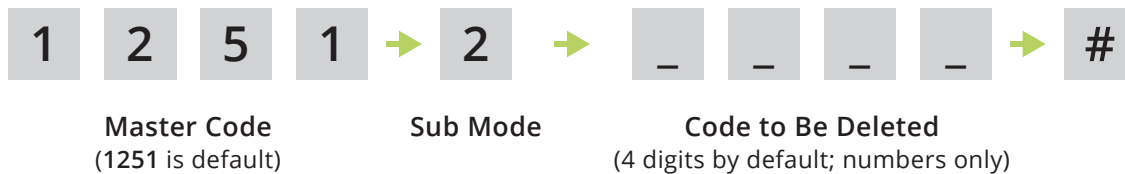> By default, these codes are unavailable for use: 1251, 1273, 1366, 1381, 1387, 1678, 1752, 1985.

Add Latch Code to Relay A

`1` `2` `5` `1` → `5` → `_` `_` `_` `_` → `#`

Master Code
(**1251** is default)

Sub Mode

Latch Code to Be Added
(4 digits by default; numbers only)

Add Latch Code to Relay B

`1` `2` `5` `1` → `4` → `3` → `_` `_` `_` `_` → `#`

Master Code
(**1251** is default)

Sub Mode A

Sub Mode B

Latch Code to Be Added
(4 digits by default; numbers only)

Delete Code (Non-Wiegand)

`1` `2` `5` `1` → `2` → `_` `_` `_` `_` → `#`

Master Code
(**1251** is default)

Sub Mode

Code to Be Deleted
(4 digits by default; numbers only)

Add Limited-Use Code
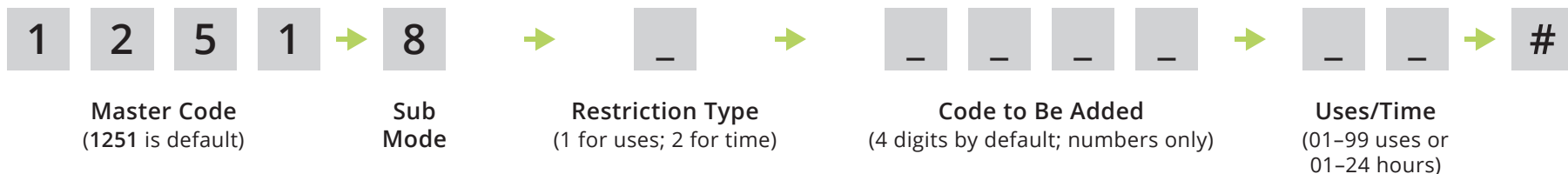(Access codes can be given a use or time restriction. For more advanced time restrictions, use the Edge Smart Keypad app.)

`1` `2` `5` `1` → `8` → `_` → `_` `_` `_` `_` → `_` `_` → `#`

Master Code
(**1251** is default)

Sub Mode

Restriction Type
(1 for uses; 2 for time)

Code to Be Added
(4 digits by default; numbers only)

Uses/Time
(01–99 uses or 01–24 hours)

G1 Direct Programming / External Wiegand Keypad

> Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

Add Wiegand Keypad Access Code(s)

(Uses default facility code; to add multiple codes, enter each of them before pressing pound key)

On Both Wiegand Inputs

1 2 5 1	6	_ _ _	1	_ _ _ _ _	#
Master Code (1251 is default)	Sub Mode A	Relay (100 for A; 104 for B)	Sub Mode B	Code(s) to Be Added (5 digits by default; numbers only)	

On Wiegand Input 1 or 2

1 2 5 1	6	_	_ _ _	1	_ _ _ _ _	#
Master Code (1251 is default)	Sub Mode A	Wiegand Input (1 for 1; 2 for 2)	Relay (100 for A; 104 for B)	Sub Mode B	Code(s) to Be Added (5 digits by default; numbers only)	

Add Wiegand Keypad Manager Access Code(s)

(Uses default facility code; to add multiple codes, enter each of them before pressing pound key)

On Both Wiegand Inputs

1 2 5 1	6	1 0 1	1	_ _ _ _ _	#
Master Code (1251 is default)	Sub Mode A	Sub Mode B	Sub Mode C	Code(s) to Be Added (5 digits by default; numbers only)	

On Wiegand Input 1 or 2

1 2 5 1	6	_	1 0 1	1	_ _ _ _ _	#
Master Code (1251 is default)	Sub Mode A	Wiegand Input (1 for 1; 2 for 2)	Sub Mode B	Sub Mode C	Code(s) to Be Added (5 digits by default; numbers only)	

G2 Direct Programming / External Wiegand Keypad

Green arrow indicates "good" tone on unit. Always wait for good tone before moving on.

Add Wiegand Keypad Latch Code(s)

(Uses default facility code; to add multiple codes, enter each of them before pressing pound key)
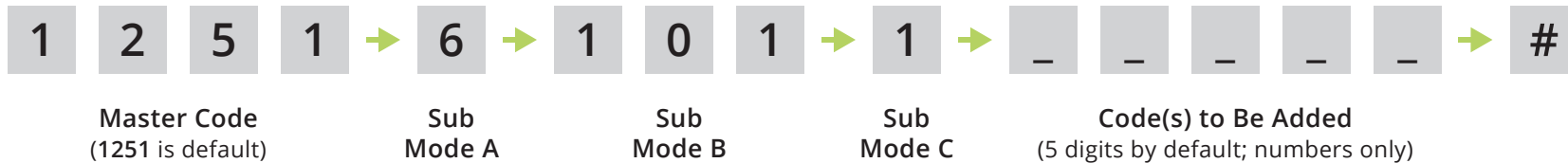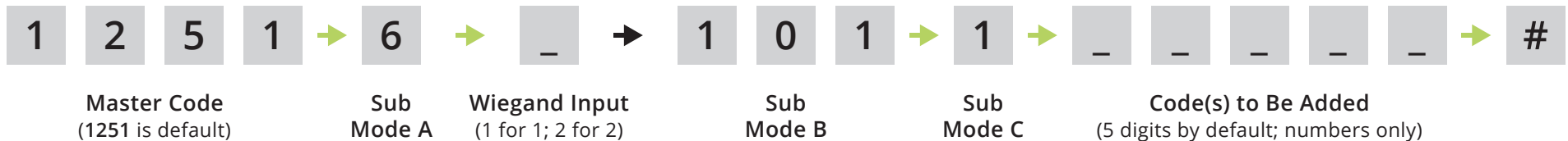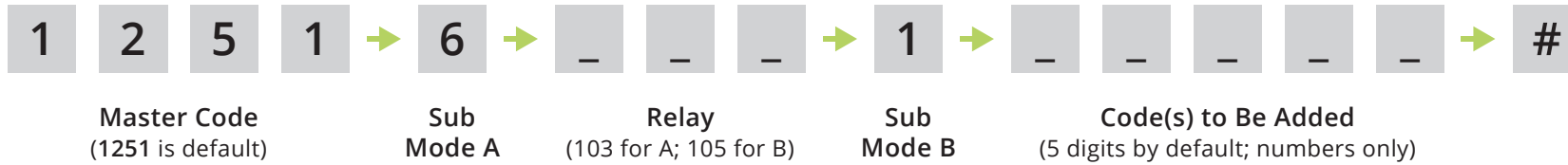
On Both Wiegand Inputs

1 2 5 1 → 6 → _ _ _ → 1 → _ _ _ _ _ → #

Master Code (1251 is default)	Sub Mode A	Relay (103 for A; 105 for B)	Sub Mode B	Code(s) to Be Added (5 digits by default; numbers only)

On Wiegand Input 1 or 2

1 2 5 1 → 6 → _ ➔ _ _ _ → 1 → _ _ _ _ _ → #

Master Code (1251 is default)	Sub Mode A	Wiegand Input (1 for 1; 2 for 2)	Relay (103 for A; 105 for B)	Sub Mode B	Code(s) to Be Added (5 digits by default; numbers only)

Delete Wiegand Keypad Code(s)

(Uses default facility code; to delete multiple codes, enter each of them before pressing pound key)

On Both Wiegand Inputs
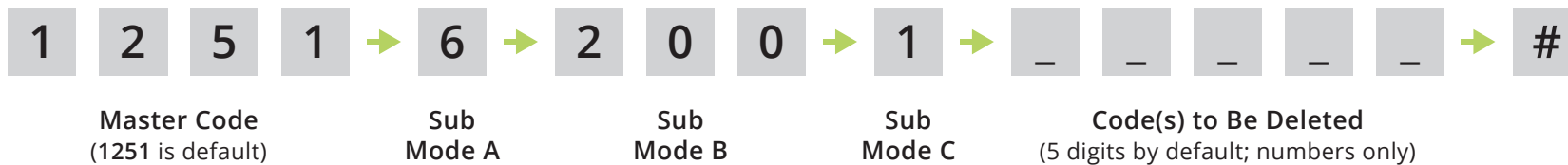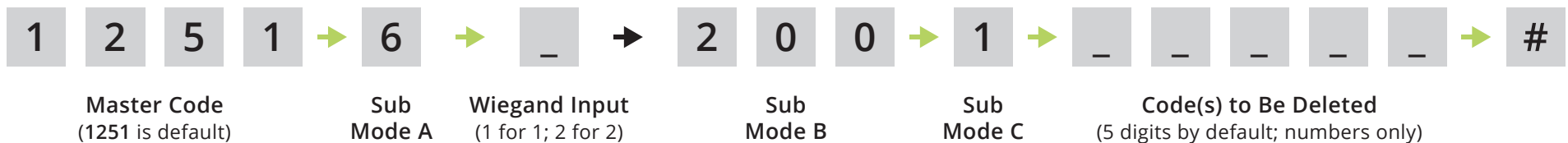
1 2 5 1 → 6 → 2 0 0 → 1 → _ _ _ _ _ → #

Master Code (1251 is default)	Sub Mode A	Sub Mode B	Sub Mode C	Code(s) to Be Deleted (5 digits by default; numbers only)

On Wiegand Input 1 or 2

1 2 5 1 → 6 → _ ➔ 2 0 0 → 1 → _ _ _ _ _ → #

Master Code (1251 is default)	Sub Mode A	Wiegand Input (1 for 1; 2 for 2)	Sub Mode B	Sub Mode C	Code(s) to Be Deleted (5 digits by default; numbers only)

H Reset Procedures

NOTE: If an error is made during these procedures, an "error" tone will sound, and you must start again from the beginning.

Master Code Reset

This procedure will reset the Master Code to the default value. No other stored data will be affected.

Step 1 - Open front panel on unit.

Step 2 - Locate, press, and hold Factory Reset (FAC. RST.) Button.
Hold down for about 10 seconds until three (3) beeps sound.

Step 3 - While still holding Factory Reset (FAC. RST.) Button, press star key (*) on keypad three (3) times.
Unit will sound good tone if successful.

Step 4 - Release Factory Reset (FAC. RST.) Button.

The Master Code is now reset to the default value (**1251**).

Unit Reset

This procedure will reset the unit back to factory settings. It will erase all codes and timers in memory and reset the Master Code back to the default value.

❗ IMPORTANT! THIS PROCEDURE WILL RESET THE UNIT TO FACTORY SETTINGS AND ERASE ALL STORED INFORMATION, INCLUDING CODES AND TIMERS!

Step 1 - Open front panel on unit.

Step 2 - Locate, press, and hold Factory Reset (FAC. RST.) Button.
Hold down for about 10 seconds until three (3) beeps sound.

Step 3 - While still holding Factory Reset (FAC. RST.) Button, press pound-star-pound (#*#) on keypad.
Unit will sound good tone if successful. Release Factory Reset Button.

Step 4 - Enter Master Code (default 1251) on keypad.
After about 15 seconds, unit will start sounding a continuous cycle of tones to indicate all data has been deleted.

Step 5 - Power off unit and immediately power back on.

The unit is now reset to factory settings.

SECURITY BRANDS INC™

NEED HELP

Call **(972) 474-6390**
Email **techsupport@securitybrandsinc.com**

We are available **Mon–Fri / 8am–5pm Central**

QSG-2721027215-EN   Rev. D (3/2023)