

## Operation Instructions

### 1. Master Code

The master code comprises a four-digit code and is used to access programable functions of the digital keypad and cannot be used for access request i.e. it can't be the same as other PINs. The default master code is 1234. Under normal operation, entering PINs will gain access. In the programming mode, the keypad can be used to add/delete PINs, set relay strike time and other programming functions.

### 2. Entering Programming Mode

Enter the master code twice 1234 1234 to enter programming mode (1 beep and Yellow LED is on).

### 3. Setting Relay Strike Time

The relay strike time determines the amount of time that the door remains unlocked after a valid PIN is entered.

- Enter programming mode
- Press \* 1 for Relay 1 (Yellow LED flashes)  
Press \* 5 for Relay 2 (Yellow LED flashes)
- Press 00~99 (1 beep, and Yellow LED is on)
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 4. Clearing Memory of All PINs

- Entering programming mode.
- Press \* 8 (Yellow LED flashes)
- Press 88 (Yellow LED is on, and 7 beeps)
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 5. Resetting Controller Parameters to Factory Default Value

- Enter programming mode.
- Enter \* 8 (Yellow LED flashes).
- Enter 99 (1 beep, and Green LED flashes) to be back to standby mode (Blue LED is on)

### 6. Adding PINS to Relay 1

- Enter programming mode.
  - Enter slot position 000-999 (Red LED will be on to indicate slot position is unavailable)
  - Press 4-digit PIN (1 beep, and Yellow LED is on)
  - Press # (1 beep) to be back to standby mode (Blue LED is on).
- Enter programming mode.
  - Enter slot position 000-999 (Red LED will be on to indicate slot position is unavailable)
  - Press \*\* (1 beep) to delete data from slot position (Green LED is on).
  - Press # to be back to programming mode (Yellow LED is on).
  - Repeat step 6-A to add a new PIN.

### 7. Adding PINs to Relay 2

- Enter programming mode.
  - Press \* 4 (Yellow LED flashes)
  - Enter a slot position 00-09 (Green LED will be on to indicate the slot position is available).
  - Press 4-digit PIN (1 beep, and Yellow LED is on)
  - Press # 1 (1 beep) to be back to standby mode (Blue LED is on).
- Enter programming mode.
  - Press \* 4 (Yellow LED flashes)
  - Enter a slot position 00-99 (Red LED will be on to indicate slot position is unavailable)
  - Press \*\* (1 beep) to delete data from the slot position (1 beep, and Green LED is on).
  - Press # to be back to programming mode (Yellow LED is on).
  - Repeat step 7-A to add a new PIN.

### 8. Changing Master Code

- Enter programming mode.
- Press \* 3 (Yellow LED flashes)
- Enter 4-digit master code twice i.e. 4567 4567 (1 beep, and Yellow LED is on.)
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 9. Turning Anti-Tamper Alarm Function ON/OFF (Default setting is ON)

- Enter programming mode.
- Press \* 6 (Yellow LED flashes)
- Press 01 (1 beep, and Yellow LED is on) - function OFF  
Press 02 (1 beep, and Yellow LED is on) - function ON
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 10. Turning Lock-out Function ON.OFF (Default setting is ON)

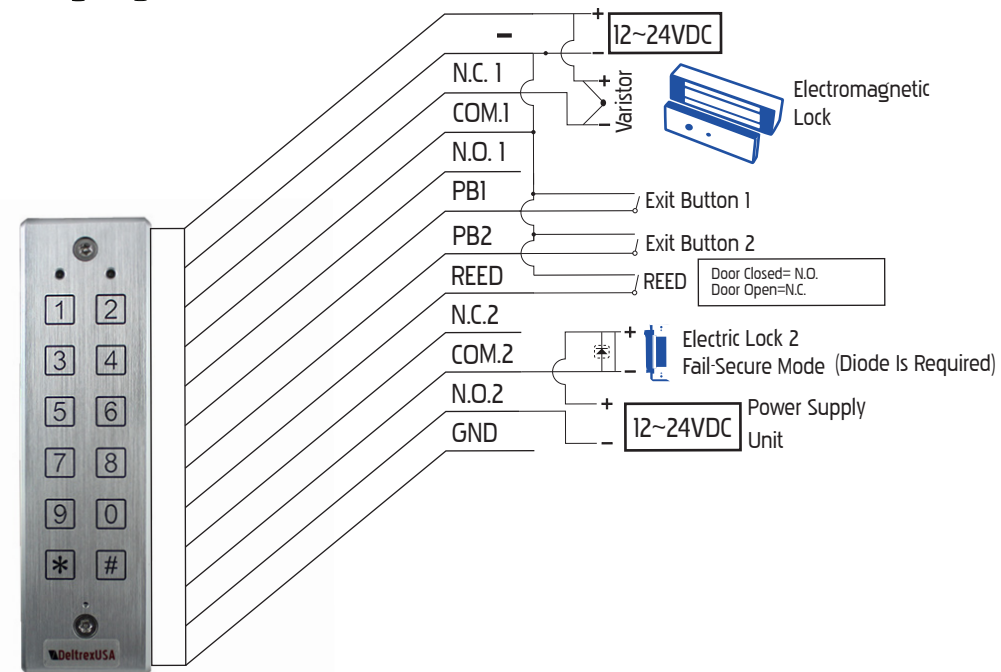
- Enter programming mode.
- Press \* 7 (Yellow LED flashes).
- Press 01 (1 beep, and Yellow LED is on) - function OFF  
(1 beep, and Yellow LED is on) - function ON
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 11. Changing the Length of Master Code

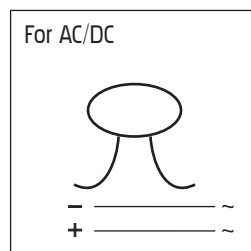
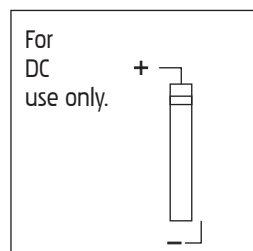
- Enter programming mode.
- Press \* 9 (Yellow LED flashes)
- Press 0 4.
- Set up the length of master code: Press 4 to set up the length as 4 digits, press 5 for 5 digits, 6 for 6 digits (7 beeps and Yellow LED is on).
- Press # (1 beep) to be back to standby mode (Blue LED is on).

### 12. Resetting Master Code to Default Value

- Turn off power and energize again (Green LED flashes)
- Press # 5 times to be back to standby mode (Blue LED is on). Then the master code is reset to default value. (If the default value is 4 digits, the master code is 1234; if 5 digits, 12345; if 6 digits, 123456).



RED	+	YELLOW	P.B.2
BLACK	-	BROWN	REED
LIGHT GREEN	N.C.1	GRAY	N.C.2
PINK	COM.1	PURPLE	COM.2
WHITE	N.O.1	BLUE	N.O.2
ORANGE	P.B.1	GREEN	GND



## Access Control Digital Keypads 210-20



### Features:

- Aluminum alloy casing, designed with vandal resistant screws for enhanced safety and durability
- Allows up to 200+ users
- 29-digit code password protected
- 3 LED indicators & buzzer for status indication
- Invalid PIN lockout
- Non-volatile memory
- Can open 2 doors with different combinations

### Specification:

#### Current Draw

Holding: 60mA/12VDC ; Pull-in: 20mA/12VDC

Holding: 50mA/24VDC ; Pull-in 20mA/24VDC

#### Keypad

6x2 matrix keypad (0~9, \*, #)

#### Input

2 contacts for Request-To-Exit buttons; 1 contact for Door Status Sensor

#### Output

2 relays (Dry contacts: NO/Com/NC)

#### Relay Electric Current

Max. 2A/30VDC

#### 2 LEDs

4 Colors (Blue, Green, Yellow, and Red)

#### Memory Volume

1000 + 10 PINs

#### Relay Strike Time

01 ~ 99 seconds or manual mode (00)

#### Ambient Humidity

5 ~ 95 % (Non-condensing)

#### Operating Temperature

-20°C ~ -55°C

#### PIN Lockout Function

Entering the wrong PIN 5 times in a row will result in one-minute lockout.

### Factory Default Settings

Master Code	1234 (4 digits)
Relay Strike Time	1 second
Pressed Key Time Delay	5 seconds (fixed)
Programming Mode Time Delay	30 seconds (fixed)