CM-550SK V3
Waterproof Keypad/Controller
INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

(1) Digital Keypad CM-550SK V3

(1) User Manual

(1) Screw driver

(4) Wall plugs
(6 x 27 mm, used for mounting)

(4) Self tapping screws
(3.5 x 27 mm, used for mounting)

1. DESCRIPTION

The CM- 550SK V3 is a back-lit single door multifunction standalone access control keypad with a Wiegand input/output interface.
It is suitable for mounting either indoors or outdoors in harsh environments. It is housed in a strong, sturdy and vandal proof Zinc Alloy electroplated case. The electronics are fully potted so the CM-550SK V3 is waterproof and conforms to IP68.
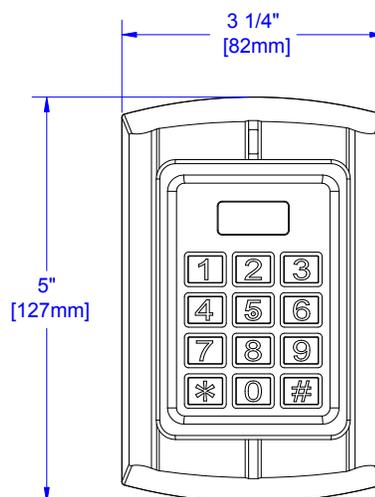
The CM-550SK V3 supports up to 20,000 Users. The PIN output data can be configured for either 26 bit, 4-bit or 8-bit burst modes making it compatible with most Access systems. These features make the CM-550SKV3 an ideal choice for door access for commercial and industrial applications such as factories, offices, warehouses, laboratories, banks, and prisons.

2. SPECIFICATIONS

Input Power	10-28V AC/DC
Standby Current	35mA (Input VDC12V)
Operating Current:	100mA (Input VDC12V)
Working Humidity	0-95%
Working Temperature	-40°C to 60°C (-40F to 140F)
Alarm Output (Digital)	1A @ 30VDC
Lock Relay	1A @ 30VDC
IP Rating	68

Note: When the keypad is idle the LED is solid RED.
In programming mode, the LED is flashing RED. The Master code for programming must be changed to configure any part of the CM-550SK and its parameters. All changes must be done within programming mode.

3. DIMENSIONS

3 1/4"
[82mm]

5"
[127mm]

4. OPERATION CONVENTIONS

- "Beep-" One long beep means the operation was correct. "Beep-beep-beep" three short beeps mean the operation was incorrect. The LED light turns green when the operation is successful.
- "#" means the previous operation was received by the system. It is normally used at the end of entering digital numbers for a PIN code, ID number, card number, or parameter. When you type this key, the programming is finished.
- "*" means to cancel the current operation or go back to the previous menu.
- The management menu is fixed to 2 digits, from 00 to 99. Do not press "#" on the keypad afterwards. After entering the 2 digits, the LED will turn orange (or purple). If the operation fails, you will hear "beep-beep-beep" three short beeps.
- Under the management menu operation mode, if there is no activity detected of keys being pressed for over 30 seconds, it will automatically revert to standby mode.

Indicator light and buzzer prompt

Operation Status	Indicator light	Buzzer
Standby mode	Red	
Successful operation	Green	A long beep
Operation incorrect		3 short beeps
Press digit key		A short beep
Press * key		A long beep
Inputting opening door PIN	Red slow flash	
The first unlock	Green	
Alarm	Red quick flash	Alarm Sound

Enter Programming Mode	Press **the star (*)** key for 2 seconds until it beeps then press **8 8 8 8 8 8** #. The LED will now be flashing Red.
Exit Programming Mode	Press **the star key (*)** to get a solid Red LED.
Change Admin Password	**00 New 6-digit code #, New 6-digit code # (must be 6 digits).** **The keypad cannot be configured until the Master Code has been changed from its default to any other 6-digit PIN.**
Default Master Code	Power up while holding the *** key**. The LED will turn orange and you will hear a double beep. This will only default the Master Code for programming. All other data will not be affected.
Restore Configuration to Factory Defaults	For assistance call the Camden Technical Support line at **1-905-366-3377.**
Delete All Users PIN Data	Press **20 0000 #** Deletes All User Card/PIN data.
Stand-Alone Operation (PIN Data stored in the CM-550SK V3)	
Single Door Stand-Alone	**03 1 #** Stand-Alone Mode
ID#	This refers to the memory address of where the Card or PIN data is stored. It is not the PIN to unlock the door. Keep track of where data is stored to easily edit or delete any individual record.
Add a PIN (To a Specific ID#)	**11 ID# (4-Digit PIN or Card) #** **Multiple Entries 11(ID) #, (User PIN or Card) #, (ID) #, (User PIN or Card) #** This will allow you to pick a unique ID # (storage location) to add the PIN to.

Delete by ID# (Card or PIN)	**22 ID# #** Multiple Deletes **22 ID# #, ID# #, ID# #**
Unlock Duration	**34** (1-999 seconds) **#**
Wiegand Out to Access System (Card/PIN stored in Access System)	
Wiegand Output Mode	**Step 1) 03 0 #** (Enables data lines to be connected to an Access Controller)
Facility Code	**Step 2) 60 (0-255) #** (Must match Access Controller)
Set D0 & D1 Output	**Step 3) 61 0 #** (Enables D0 & D1 Wiegand Output data format)
Set Output Bit Length	**Step 4) 62 (26-66) #** (Example of 26 bit: 62 26 #)
PIN Output (5 Digits)	**Step 5) 64 4 #** (1–5-digit key + # key buffered output)
Set 4/8 Bit Burst Output	**Step 6) 64 (0, 2) #** (0 = 4 bit burst, 2 = 8 bit burst, confirm with Access manufacturer)
Alarm Configuration (D.H.O/F.E.)	
Door Held Open (D.H.O.)	**35 (0-99) #** The set time starts once the door is unlocked, then it will generate the alarm if the door is not closed. Timing is in minutes. Closing the door resets the alarm.
Door Forced Open (F.E.)	**40 (0-99) #** Door opened with no valid PIN or Card immediately triggers an alarm. Timing is in minutes. Master Programming Code resets alarm.

5. WIRING CONNECTIONS FOR VDC OR VAC POWER

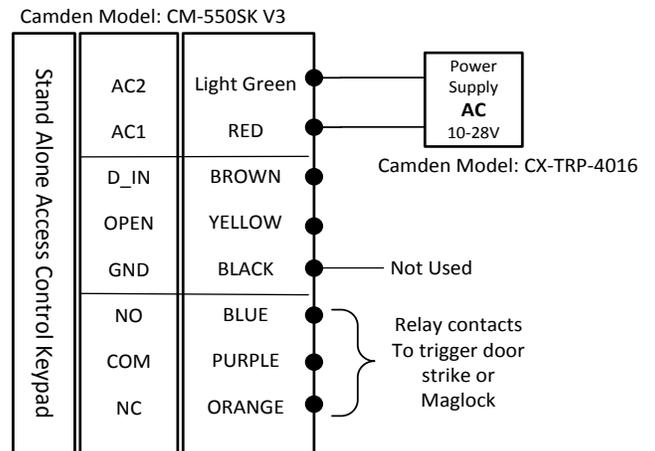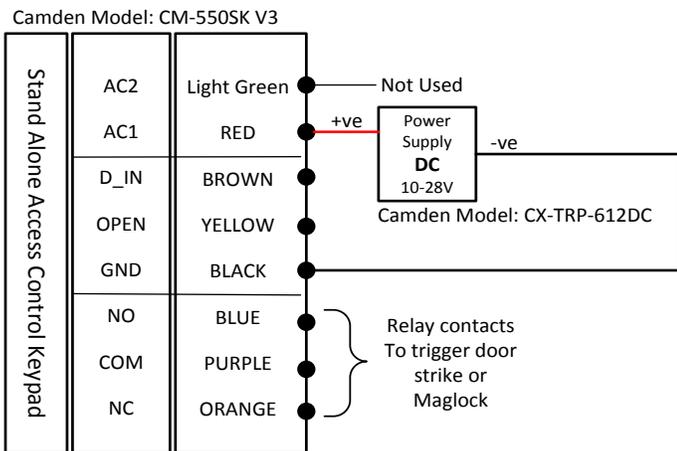The CM-550SK V3 keypad can be powered by either VDC or VAC power within a range of 10V – 28V.

When wiring for **VDC power** use the red wire for positive and the black wire for ground.

When wiring for **VAC power** use the re   wire (AC1) to one VAC wire and light green wire (AC2) to the other VAC wire.

Note: Confirm you are using the light green wire and not the dark green Data 0 wire.
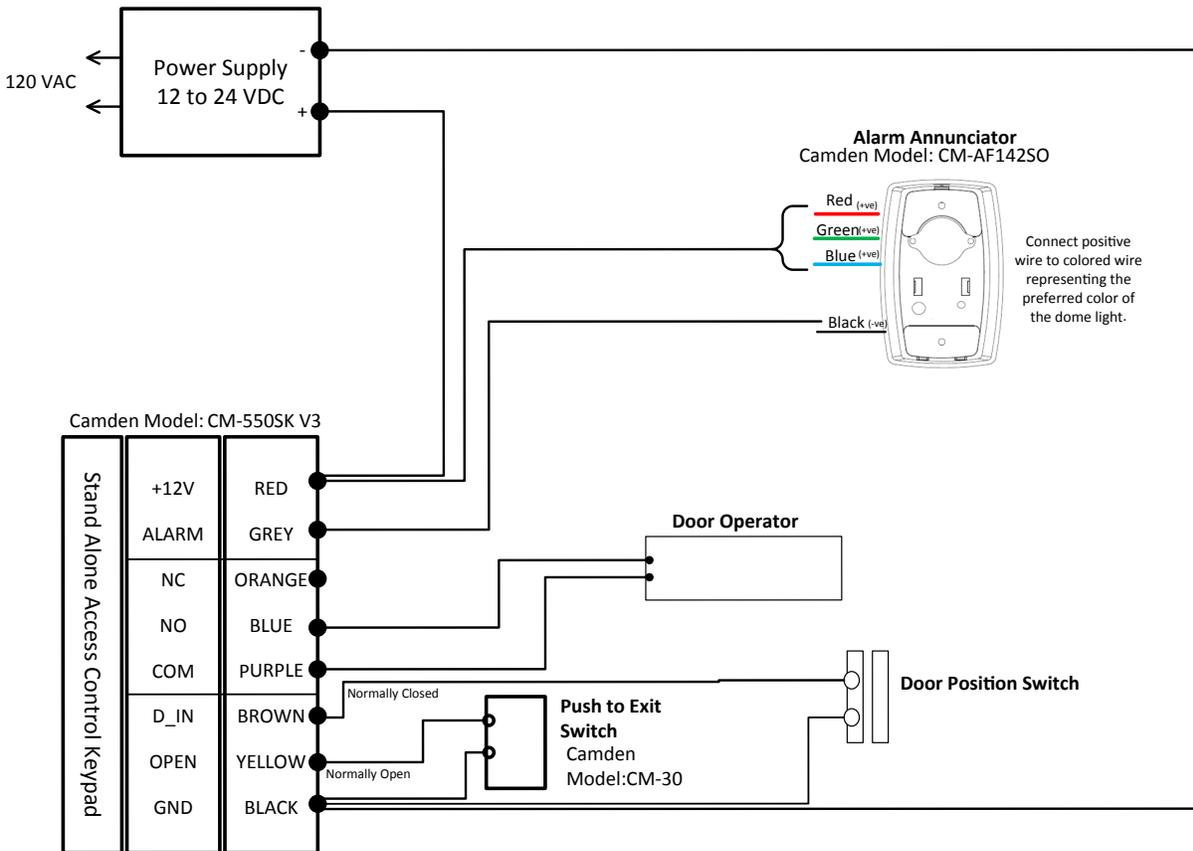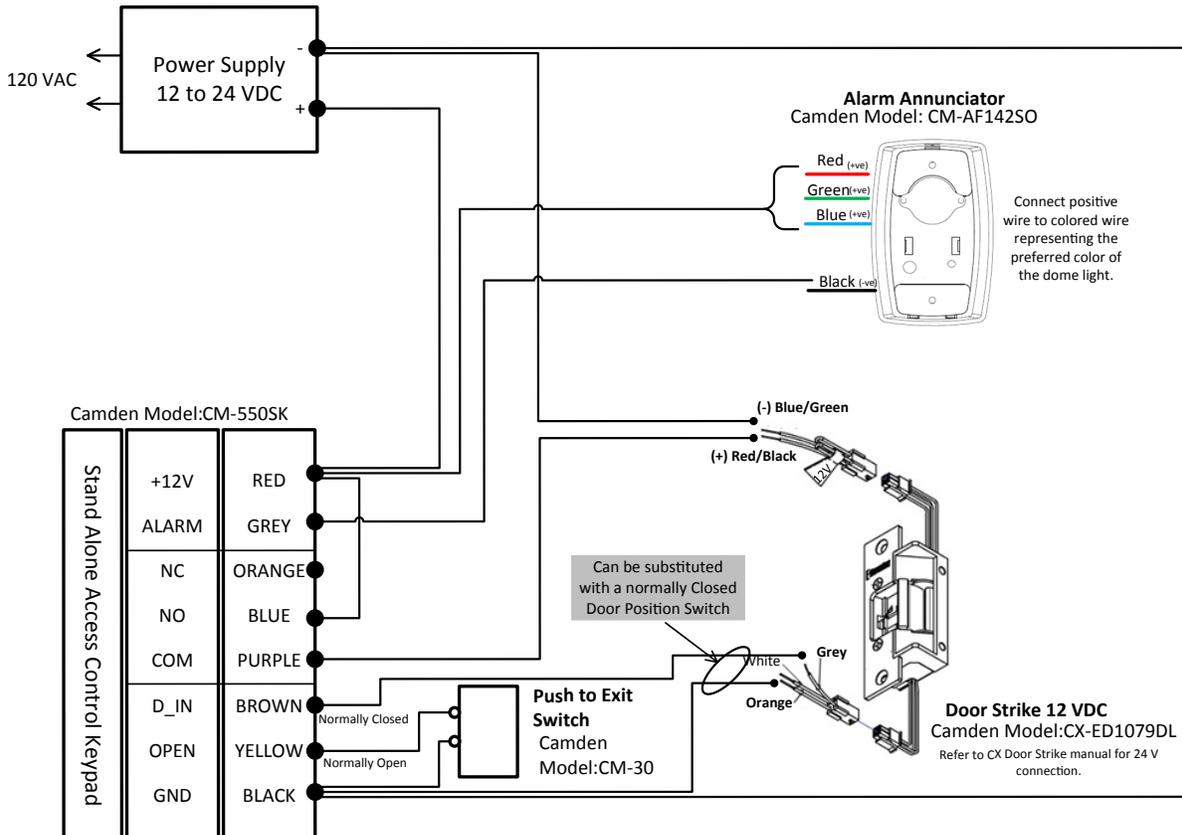
Wiring for **DC** Power (AC1 & GND)

Camden Model: CM-550SK V3

Stand Alone Access Control Keypad	AC2	Light Green		Not Used
	AC1	RED	+ve	Power Supply **DC** 10-28V -ve
	D_IN	BROWN		Camden Model: CX-TRP-612DC
	OPEN	YELLOW		
	GND	BLACK		
	NO	BLUE		Relay contacts To trigger door strike or Maglock
	COM	PURPLE		
	NC	ORANGE		

Wiring for **AC** Power (AC1 & AC2)

Camden Model: CM-550SK V3

Stand Alone Access Control Keypad	AC2	Light Green		Power Supply **AC** 10-28V
	AC1	RED		Camden Model: CX-TRP-4016
	D_IN	BROWN		
	OPEN	YELLOW		
	GND	BLACK		Not Used
	NO	BLUE		Relay contacts To trigger door strike or Maglock
	COM	PURPLE		
	NC	ORANGE		

Note: Connect corresponding power as shown above to prevent damage to the keypad.
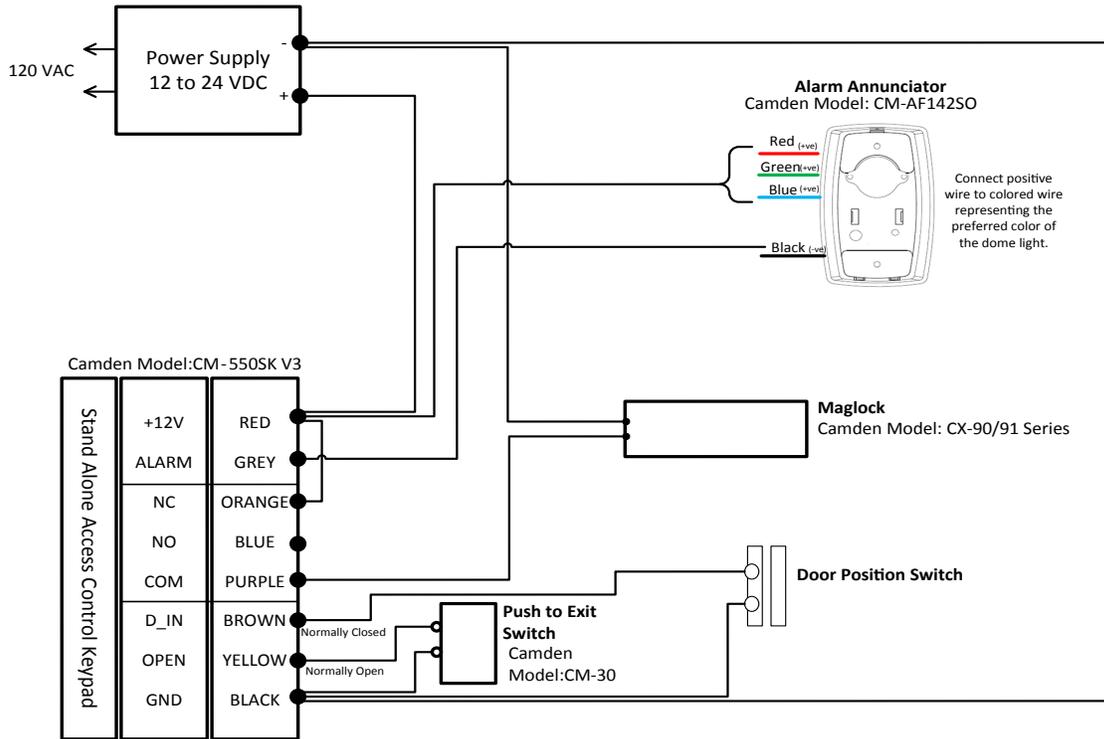
Wiring the CM-550SK V3 to a Door Operator

Wiring the CM-550SK V3 to a Fail Secure Door Strike

Wiring the CM-550SK V3 to a Maglock

Wiring the CM-550SK V3 to an Access Controller (Wiegand Out)