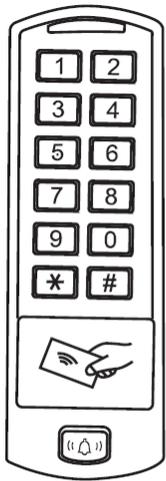
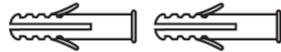


INSTALLATION GUIDE – SRAC

What you get from box:



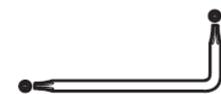
Diode 1N4004 (For relay circuit protection)



Self Tapping Screws



Wall Anchors

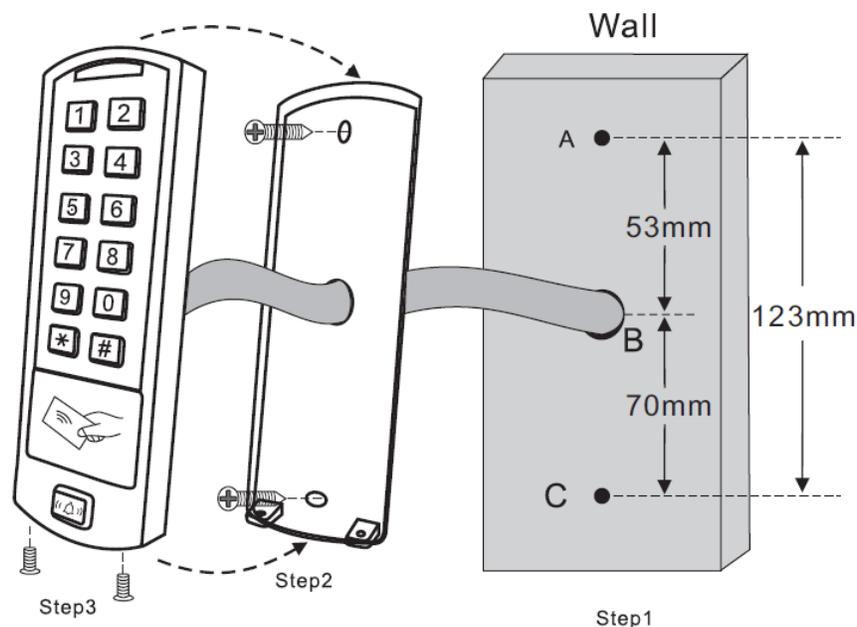


Screw Driver

SRAC - Access Controller

Installation:

- Remove the back cover from the unit
- Drill 2 holes (A,C) on the wall for the screws and one hole for the cable
- Knock the supplied rubber bungs to the screw holes (A,C)
- Fix the back cover firmly on the wall with 4 flat head screws
- Thread the cable through the cable hole (B)
- Attach the unit to the back cover



Product specifications:

Item	SRAC
User	1000 Users
Power/Current	DC 12V to 24V /Max 180mA
Reader Port	Externa Reader port 1 each: 26 bit Wiegand
Credential Type	PIN, RFID (MiFare Classic) Card, Bluetooth Low Energy
RFID Card	MiFare Classic
Door Open Time	00-99Sec (Default 5 Sec)
Input Port	Exit Button, Door Sensor
Output Port	1 each: 2 Form-C Relay Output (COM, NO, NC) DC 5V, Rating Max. 2A 1 each: Buzzer Output/ Open Drain/ Max. 500mA
LED Indicator	3 LED Indicators (Red, Green and Orange)
Beeper	Piezo Buzzer
Keypad	12 Key , Push button type with back lighting
Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Operating Humidity	10% to 90% relative humidity non-condensing
Color/Material	Black /ABS Shell
Dimension (W x H x D (mm))	
Weight	

Cable Color Information

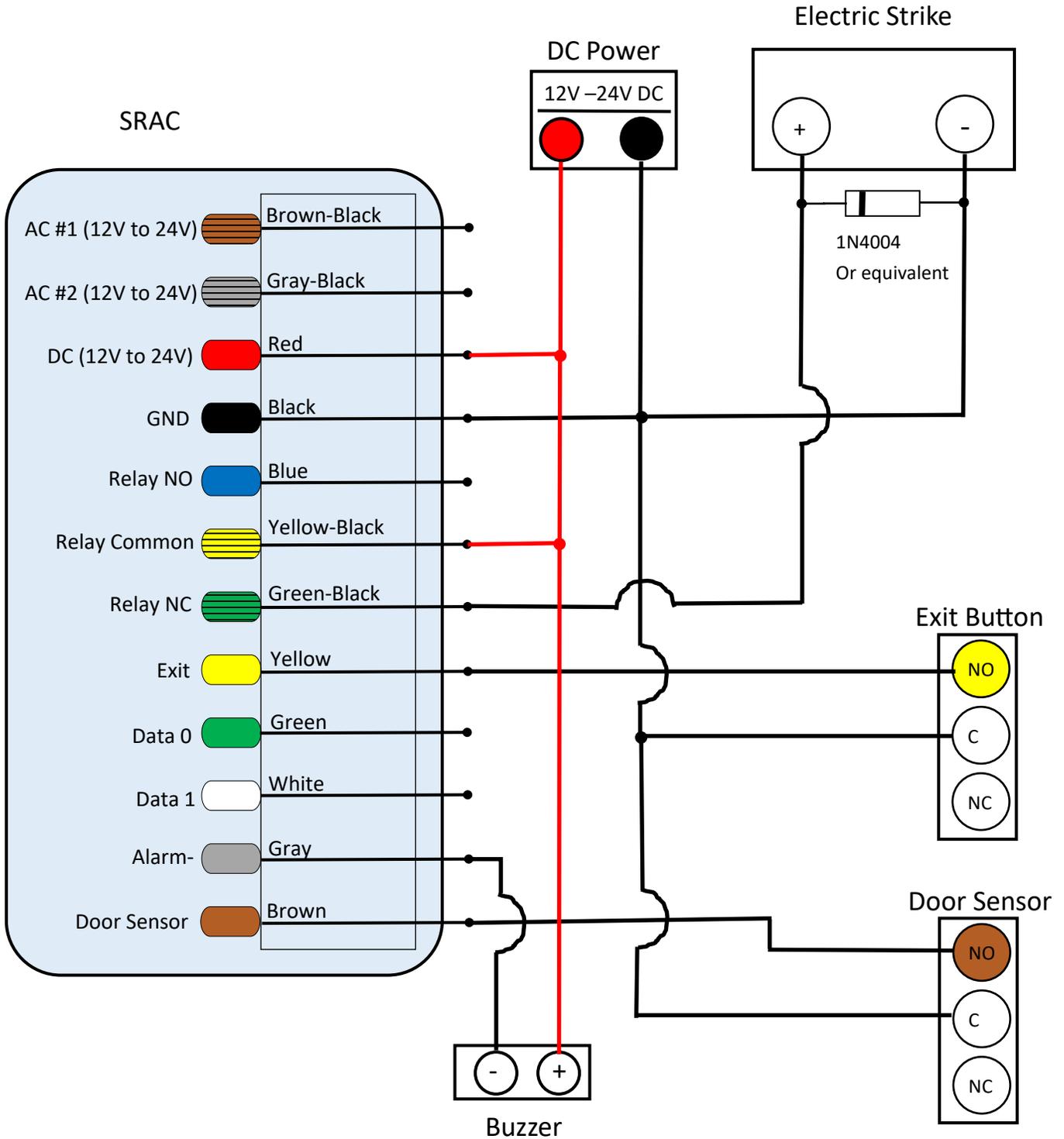
Wire Color	Function	Notes
 Brown-Black	AC # 1 (12V to 24V)	12V to 24V AC Power Input
 Gray-Black	AC # 2 (12V to 24V)	12V to 24V AC Power Input
 Red	DC (12V to 24V)	12V to 24V DC Power Input
 Black	GND	Ground
 Blue	Relay NO	Normally Open Relay (Output)
 Yellow-Black	Relay Common	Common Connection Relay (Output)
 Green-Black	Relay NC	Normally Close Relay (Output)
 Yellow	Exit	Request to Exit (Input)
 Green	Data 0	Wiegand Input/Output Data 0
 White	Data 1	Wiegand Input/Output Data 1
 Gray	Alarm-	Negative contact for Alarm
 Brown	Door Sensor	Door/Gate Contact (Input)

Note:

1. Wiegand Interface will available on special order request

Stand Alone mode: Wiring diagram

[A] Fail-Safe interface with DC Power Supply

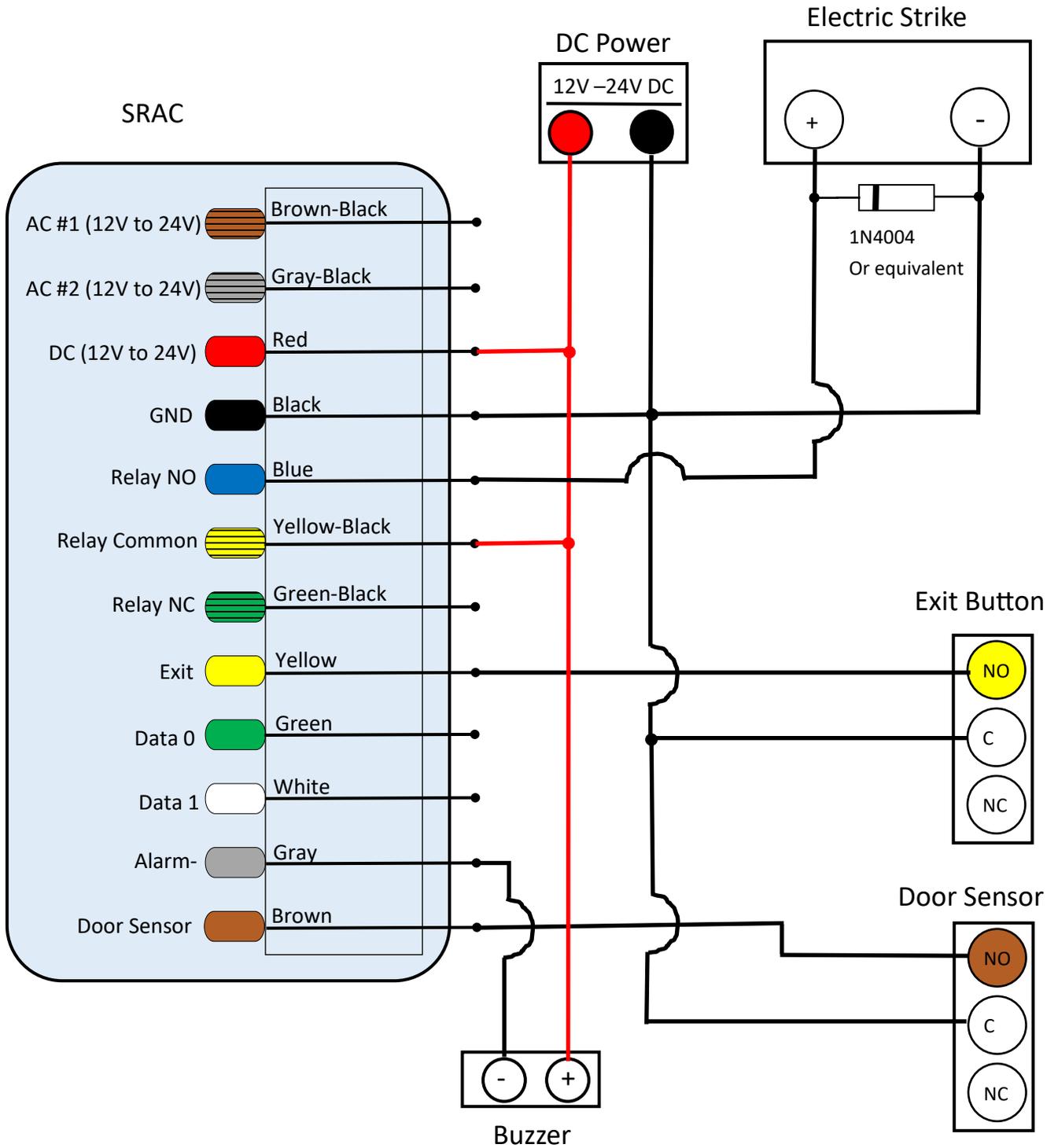


Notes:

1. Install a 1N4004 or equivalent diode otherwise surge voltage will cause damage to the electric circuit.
2. Fail-Secure operation : when power is lost, the strike lock the door

Stand Alone mode: Installation diagram

[B] Fail-Secure interface with DC Power Supply



Notes:

1. Install a 1N4004 or equivalent diode otherwise surge voltage will cause damage to the electric circuit.
2. Fail-Secure operation : when power is lost, the strike lock the door

SOUND AND LIGHT INDICATION

SR#	Operation	LED#1 (RED)	LED#2 (GREEN)	LED#3 (BLUE)	BUZZER	Comment
1	Power ON	500 ms	500 ms	500 ms	500 ms	
2	DFU Mode	Steady ON	Steady ON	Steady ON		
3	BLE Connection			500 ms / 1000 ms		Max time 25 seconds
4	Auto Lock with BLE Connection		500 ms/ 500 ms	500 ms / 1000 ms		
5	Auto Lock		500 ms / 1000 ms			Max time 25 seconds
6	Factory Reset		100 ms / 100 ms (3 times)	100 ms / 100 ms (3 times)	100 ms / 100 ms (3 times)	
7	Lock		1000 ms		400 ms	
8	Unlock		1000 ms		400 ms	
9	Lock Error	1000 ms			200 ms / 200 ms (2 times)	
10	Unlock Error	1000 ms			200 ms / 200 ms (2 times)	
11	Button Pressed		100 ms		100 ms	When Low Battery, RED ERROR (100 ms) Buzzer OFF – Green LED Steady (100 ms) Buzzer ON –Steady (100 ms)
12	Device Already Lock			5000 ms		When Lock button Pressed
13	Device Hack	500 ms / 500 ms (20 seconds)			10000 ms	
14	RFID card Show		1000 ms		400 ms	
15	User Authorizing with SR Bridge		100 ms / 100 ms			Max time 25 seconds
16	User Is not Authorize	500 ms / 500 ms (2 times)			500 ms / 500 ms (2 times)	

17	Tamper Condition detect ¹ (Either Open Access Control unit or Door Forced Open Warning)	500 ms / 500 ms			500 ms / 500 ms	Note: Reset either using mobile application, Applicable to External Alarm
18	Door Open To Long Warning ²	200 ms / 1800 ms			200 ms / 1800 ms	Note: Buzzer and RED LED interval must be different then Tamper condition, Applicable to External Alarm

Notes:

1. Tamper condition will reset either using master code or mobile application

Door Open Too Long (DOTL) warning: When used with an optional magnetic contact or built-in magnetic contact of the lock, if the door is opened normally, but not closed after 1 minute, the inside buzzer will beep automatically to remind people to close the door and continue for 1 minute before switching off automatically.

Door Forced Open warning: When used with an optional magnetic contact or built-in magnetic contact of the lock, if the door is opened by force, or if the door is opened after 60 seconds of the electro-mechanical lock not closed properly, the inside buzzer and alarm output will both operate. Enter Master code # or valid user card /PIN to silence

SecuRemote® Smart PDQ App

[1] Download PDQ Smart App

Download & Install PDQ Smart application from Apple app store or Google play store

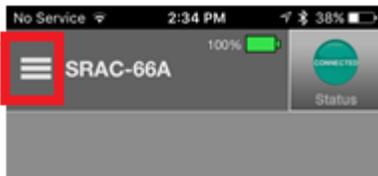
FOR IPHONE

- A. Go to App Store on mobile device
- B. Search for “PDQ Smart” application
- C. Install “PDQ Smart” Application

FOR ANDROID

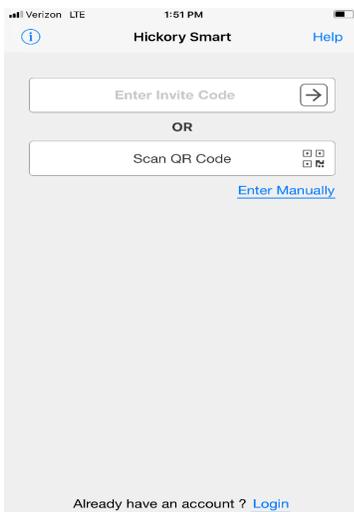
- A. Go to Play Store on mobile device
- B. Search for “PDQ Smart” application
- C. Install “PDQ Smart” Application

[1A] Already user of PDQ Smart App



- A. Tap on **Navigation Menu**
- B. Select “setup Product”
- C. Option as per topic #2

[2] Register RFID Controller



(1) OPTION 1 - SCAN QR CODE

If using this option, locate the QR code label over Smart SRAC device. If you do not have a QR code, use option 2.

(2) OPTION 2 - ENTER MANUALLY

If using this option, locate the serial # and security token on the label over Smart SRAC. Enter SR device serial # and security token manually from label.

(3) OPTION 3 - ENTER INVITE CODE

If you are invited user, enter the invite code. If you do not have an invite code, contact administrator.

[2A] Setup RFID Controller

SCAN QR CODE

1. Tap on “Scan QR Code” button.
2. SR Device info will be read from label, using QR scan.
 - 2a. Screen will appear with auto-filled SR device information.
 - 2b. User must enter a device name and location for this SR device and tap on “Create New Account”.
 - 2c. Enter all necessary information in “Create New Account” screen and tap on “Continue” button

OPERATING MODES

1. RFID Controller : Select this mode to operate lock or Strike connected directly to this controller
2. Accessory : Select this mode to operate lock using Bluetooth.

Note: When card/code is entered through this controller, it will check authorization and if authorized, connect to lock over Bluetooth and perform unlock operation.

EXIT Button Configuration

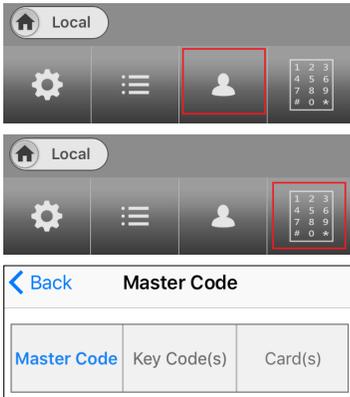
To configure exit button follow the instruction given by phone app or Press “Skip” if don't want to use exit button.

If Exit button is configured, it will operate lock when this button is pressed

Door Sensor Configuration

If door sensor is configured, it will monitor if door is open or closed and give alarm if door stay open for more than configured time interval.

[3] Add New User: Mobile or card or key code



Internet connectivity is necessary to add a new user

1. Launch the PDQ Smart app and Tap on Users option—> Tap on “Add User” option. (Fig 1)
2. Enter valid administrator details if prompt and tap on “Continue” button.
3. Tap on “Add User” button from “Users” screen.
4. Fill all mandatory details and tap on “Get Invite Code” button, Invite Code will be generated
5. Tap on marked with red in image to add Card or Keycode or change master code. (Fig 2)
6. Choose option of master code or Keycode(s) or card(s). (Fig 3)

NOTE: Invite code can be used only once. In order to register user device again, a new invite code is required.

[4] Invited User Device Redeem “Invite Code”

Invited user will need to download and install the PDQ Smart App from their app store.

1. Launch PDQ Smart App
2. PDQ Smart screen will appear
3. Enter Invite Code and tap on “Enter Invite Code” arrow icon (Enter invite Code that is received by SMS or EMAIL).
4. App will authenticate the invite code with SRP and display toast message “Validating Invite Code...” during process of authentication.
5. On successful authorization with SRP application, it will redirect to SR Device's Home screen or “Products & Network Devices” screen.

[5] Key Functions

- A. Click on Unlock to unlock door (SecuRemote[®] Smart PDQ App)
- B. Click on exit button to unlock door
- C. Present authorized card to unlock door
- D. Enter authorized code using keypad to unlock door
- E. Manage schedule for mobile users, access card as well as key code (PIN)
- F. Invite user to give access to door using mobile
- G. Manage access for card/pin using mobile app

This device complies with part 15 of the FCC rules.

Contains FCC ID: 2AEHJSRU563

Contains IC: 20053-SRU563

Operation is subject to the following two conditions. (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.”

“This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Visit <https://www.pdqlocks.com/about-pdq-smart> for more information