



Crow SC-06 Stand Alone Access Control Prox Card Reader (with Keypad)

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Description:

The Crow SC-06 is a Stand Alone Single Door Proximity Card Access Control system for up to 512 (Crow) Proximity Card or Proximity Tag Users. The 512 Users can be divided into up to four (4) categories (Master, Privileged User, Guard and Common User). The SC-06 can be installed on the outside of a door to allow access through the door by presenting it a valid (programmed) proximity Card or Tag. The SC-06 also has a Built-In Keypad that allows the installer/administrator to easily program the numerous programmable features as well as add or delete users.

When a User Proximity Card or Tag has been programmed into the unit, a PIN number for that user can also be programmed, allowing the unit to permit access through the door either by the Card or Tag Only, PIN Code Only or by the combination of both the Card (or Tag) and PIN Code.

Note: A User PIN Code can only be programmed into the SC-06 Only if a Proximity Card or Tag has first been programmed into the SC-06 for that User. **A User PIN Code can Not be programmed into the SC-06 without first programming a Proximity Card (or Tag) for that User.**

Quick Programming Guide:

This section explains how to program the SC-06 as a basic access control system. To take full advantage of the numerous sophisticated features of the SC-06, please refer to the installation instructions supplied with the unit.

The following programming procedure assumes that the SC-06 will be used as a combination of Proximity Card (or Tag) reader in combination with a User PIN Code to unlock a door, and the use of a Request-To-Exit (RTE) button to exit from the protected area.

The process of being able to create / add / delete users is by first creating an Installer who then creates an Administrator who can then create / add / delete users.

WIRING

- 1- **Follow the wiring diagram “Figure-1” (on page-8 of the SC-06 manual)** to connect the SC-06 as a standard “Factory Configuration” setup. The diagram on page-8 assumes that;

A)- The ‘DC’ (Door Contact-**White**) wire is connected to a Magnetic Reed Switch that is a “Closed Circuit” when the access door is in the Closed position and will change the state to Open Circuit when the door opens. This being the case, if the installation does Not require a physical Magnetic Reed switch, then the ‘White’ Wire needs to be Permanently connected to the Black (GND) wire.

B)- The ‘HOLD’ (**Yellow**) wire is connected to an On/Off Switch that is a “Normally Open Circuit” when in the Off position and will change state to a ‘Closed Circuit’ when the switch is in the On position. This being the case, if the installation does Not require a physical switch for the Hold function, then the ‘Yellow’ Wire need NOT be connected to anything other than insulated with electrical tape to prevent short circuiting.

C)- The ‘L-’ (Lock Control Common-**Blue**) wire is Permanently connected to the ‘GND’ (Black) wire therefore, the ‘**Blue**’ Wire needs to be Permanently connected to the Black (GND) wire.

- 2- After you have followed the wiring diagram Figure-1 (on page-8 of the SC-06 manual) and double-checked that the wiring is correct, **apply 12-14VDC power to the SC-06**. The SC-06 will start beeping every 3 seconds.

PROGRAMMING

- 3- You must now create a 4 digit **Installers** PIN Code by entering the desired Installers PIN Code followed by the hash (#) key **TWICE**: When power is first applied to the SC-06 (and the SC-06 is at Factory Default), the unit will beep every 3 seconds and the LED indicator will be Solid Yellow, enter a 4 digit Installer PIN Code followed by the hash (#) key and re-enter the same 4 digit Installers PIN Code again followed by the hash (#) key again

(Eg: When the SC-06 LED indicator is Solid Yellow, enter Installers PIN Code # Installers PIN Code #). After each press of the hash (#) key, the LED will momentarily turn Green to indicate that the SC-06 has accepted the entered code. **You are now in Installers Mode.**

- 4- You must now create a 4 digit **Administrators** PIN Code by entering the desired Administrators PIN Code followed by the hash key **TWICE**: After an Installers PIN Code has been created (in step-3 above) and the SC-06 LED indicator is still Solid Yellow (Otherwise, if the Installers mode has timed-out (20 seconds without pressing a key) and the LED indicator has turned RED, enter the Installers Code followed by the hash (#) key to get back into the Installers mode, indicated by a Solid Yellow LED), enter **203#** (which is the Programming Address to Create an Administrators Pin Code) followed by the 4 digit Administrators PIN Code followed by the hash (#) key and re-enter the same 4 digit Administrators PIN Code again followed by the hash (#) key again.

(Eg: 203# Administrators PIN Code # Administrators PIN Code #). After each press of the hash (#) key, the LED will momentarily turn Green to indicate that the SC-06 has accepted the entered code. **You have created an Administrators Code but you are STILL in Installers Mode.**

- 5- You MUST now allow for the SC-06 to Time-Out from the Installers Mode (Wait 20 seconds without pressing a key) and go to the Stand-By mode indicated by a Solid Red LED.**

- 6- You can now Add one or more User Proximity Cards (or Tags) into the SC-06: To do this, you **MUST** be in Administrators Mode **(Enter the Administrators PIN Code (created in step-4 above) followed by the hash (#) key)** and the SC-06 LED has to be on Solid Yellow. Enter **121#** (which is the Programming Address to Add Proximity Cards (or Tags) into the SC-06) followed by the Users category number 1 – 4 (1= Master User, 2=Privileged User, 3=Guard and 4=Common User) followed by the hash (#) key and bring each User Card (or Tag) **One-At-A-Time** near the SC-06 reader until you hear a beep from the SC-06.

(Eg: While the SC-06 is in Administrators mode and the LED is Solid Yellow, press 121# 4# now bring each User Card (or Tag) One-At-A-Time near the SC-06 reader until you hear a beep from the SC-06 when each Card (or Tag) is read).

- 7- You MUST now allow for the SC-06 to Time-Out from the Administrators Mode (Wait 20 seconds without pressing a key) and go to the Stand-By mode indicated by a Solid Red LED.**

- 8- You can now Add Personal PIN Codes for each Card (or Tag) User: To do this, you **MUST** be in Administrators Mode **(Enter the Administrators PIN Code (created in step-4 above) followed by the hash (#) key)** and the SC-06 LED has to be on Solid Yellow, enter **122#** (which is the Programming Address to Add or Change User PIN numbers) and bring a Users Card (or Tag) near the SC-06 until a beep is heard and enter a 4 digit User PIN Code for the User Card (or Tag) that the SC-06 just read.

(Eg: While the SC-06 is Administrators Mode and the SC-06 LED is Solid Yellow, press 122# now bring a Users Card (or Tag) near the SC-06 reader until you hear a beep from the SC-06, now enter a 4 digit Personal PIN number for the User to which the Card (or Tag) belongs to and press hash (#)).

- 9- You MUST now allow for the SC-06 to Time-Out from the Administrators Mode (Wait 20 seconds without pressing a key) and go to the Stand-By mode indicated by a Solid Red LED.**

10- Now, you have to tell the SC-06 that the Users can Only unlock the door if they present their Card (or Tag) **AND** enter their Personal PIN number: To do this, you **MUST** be in Administrators Mode (**Enter the Administrators PIN Code (created in step-4 above) followed by the hash (#) key**) and the SC-06 LED has to be on Solid Yellow, enter **131#** (which is the Programming Address to allow a user to unlock the access door Only if they present their Card (or Tag) **PLUS** enter their Personal PIN number) and a beep will be heard from the SC-06 to acknowledge the change

(Eg: While the SC-06 is Administrators Mode and the SC-06 LED is Yellow, press 131# and a long beep will be heard from the SC-06 to acknowledge the change). This function is Global and applies to ALL users.

NOTE-1 (Card (or Tag) only operation) :

If it is desirable that a User Card (or Tag) Only access is required through the door (without the Users Personal PIN number), then the SC-06 programming has to be slightly changed. To do this, you **MUST** be in Administrators Mode (**Enter the Administrators PIN Code (created in step-4 above) followed by the hash (#) key**) and the SC-06 LED has to be on Solid Yellow, enter **132#** and a long beep will be heard from the SC-06 to acknowledge the change

(Eg: While the SC-06 is Administrators Mode and the SC-06 LED is Solid Yellow, press 132# and a long beep will be heard from the SC-06 to acknowledge the change to either Card (or Tag) ‘Only’ operation to gain access through the door). This function is Global and applies to ALL users. You must now allow for the SC-06 to time-out from the administrators mode (wait 20 seconds without pressing a key) and go to the stand-by mode indicated by a solid red led before the door can be unlocked when a valid Users Card (or Tag) is presented to the SC-06.

NOTE-2 (Either Card (or Tag) or Users Personal PIN number only operation) :

If it is desirable that either a User Personal PIN number Only OR Card (or Tag) Only access is required through the door, then the SC-06 programming has to be slightly changed. To do this, you **MUST** be in Administrators Mode (**Enter the Administrators PIN Code (created in step-4 above) followed by the hash (#) key**) and the SC-06 LED has to be on Solid Yellow, enter **130#** and a long beep will be heard from the SC-06 to acknowledge the change

(Eg: While the SC-06 is Administrators Mode and the SC-06 LED is Solid Yellow, press 130# and a long beep will be heard from the SC-06 to acknowledge the change to either Card (or Tag) Only or User Personal PIN number Only is required to gain access through the door). This function is Global and applies to ALL users. You must now allow for the SC-06 to time-out from the administrators mode (wait 20 seconds without pressing a key) and go to the stand-by mode indicated by a solid red led before the door can be unlocked when a valid Users Card (or Tag) is presented to the SC-06 or a valid User Personal PIN number is entered into the SC-06.

NOTE-3 (Keeping Accurate Records is Important) :

It is highly recommended to keep a record of User Names, User Numbers and User Personal PIN numbers for the purposes of being able to delete a particular user from the SC-06 when the Users Card (or Tag) has been lost or stolen or when the User has left his/her place of employment without returning his/her Users Card (or Tag). **Keeping the record updated as users are added/deleted is very important particularly in installations that have more than 1 User Card (or Tag).**

NOTE-4 (Make the CS-06 Lock output (L+ Brown Wire) Latch in the Unlocked position until a Valid Card or Code is presented:

In the CS-06 manual, this is called ‘**Trigger Mode**’ (See Installers Mode Programming Table). This mode can be **activated from installer mode by entering 225 # 0 #.**

To Disable this mode and return the SC-06 to Momentary operation, from installer mode, enter 225 # 1 #.