PACH AND COMPANY INC.
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QUANTUM Q7000iP SERIES MANUAL
Version 01152020

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LIMITATIONS OF LIABILITY

△

This manual is subject to change without notice.

Pach and Company is not liable for any errors that might occur from use of this document, nor is any commitment to update the information herein implied.

Pach and Company does not assume any liability for any damages, which may arise in installation or use of the QUANTUM Q7000iP Series Pach and Company does not assume liability for any incompatibility between the QUANTUM Q7000iP Series and users devices.

Pach & Company reserves the right to make changes without prior notice to any products in order to improve reliability, function or design.

PRODUCTS LIMITED WARRANTY

△

New Products warranty (24 months)

- Products are warranted to be free of defects in material or workmanship for a period of **24 months** from the date of purchase.

- Products must be purchased from authorized distributors and install by qualified installers.

- Warranty can only be honored to the authorized distributors or qualified installers.

- RMA must be issued by Pach and Company Technical Department for any replacement part(s).

- Replacement part(s) will be shipped via **UPS Ground** within the 24 months warranty. The defective part(s) must be returned to Pach and Company within 15 days.

- Pach and Company **is not responsible for time, travel, and/or labor costs of any distributor and/or dealer-installer**, including but not limited to, any expenses to install, uninstall or reinstall hardware/software/firmware related to warranty issues, product enhancements, or product failures.

Wiegand Card, Keyfob and Transmitter Warranty (90 days)

- Warranted to be free of defects in material and workmanship for a period of 90 days from the date of purchase.

- RMA must be issued by Pach and Company Technical Department for replacement.

- Replacement part(s) will be shipped via **UPS Ground** within the 24 months warranty. The defective part(s) must be returned to Pach and Company within 15 days.

- Pach and Company **is not responsible for time, travel, and/or labor costs of any distributor and/or dealer-installer**, including but not limited to, any expenses to install, uninstall or reinstall hardware/software/firmware related to warranty issues, product enhancements, or product failures.

Replacement Parts Warranty (6 months)

- Warranted to be free of defects in material and workmanship for a period of **6 months** from the date of purchase.

- RMA must be issued by Pach and Company Technical Department for replacement.

- Replacement part(s) will be shipped via **UPS Ground** within the 6 months warranty. The defective part(s) must be returned to Pach and Company

within 15 days.

- Pach and Company **is not responsible for time, travel, and/or labor costs of any distributor and/or dealer-installer**, including but not limited to, any expenses to install, uninstall or reinstall hardware/software/firmware related to warranty issues, product enhancements, or product failures.

CHAPTER 1
Getting Started

Introduction

Pach & Company thanks and congratulates you on the purchase of your QUANTUM Q7000iP Series Telephone Entry Access Control Systems. The manual is designed to guide you through the proper programming and use of the QUANTUM Q7000iP Series. It is important for you to read and follow the manual completely. The product comes with **two years Limited Warranty**, see above for more detail.

System Description

The QUANTUM Q7000iP Series is multi tenant telephone entry system.
Requires analog dial tone (dedicated phone is recommended). A VOIP line must be converted to Analog line.
Capacity 250 tenants, 300 cards and 300 codes See Chapter 2 for more detail.

Specification

Input power: 12VAC 40VA (12VAC supplied), 12VDC 3.0A
Minimal Current consumption: 900-1150mA
Dimension:
Input power: 12VAC 40VA (12VAC supplied), 12VDC 3.0A
Minimal Current consumption: 1200mA
Dimension:
Surface mount: 10-13/16" x 8-5/8" x 3-3/4"
Full-flush mount:
14-5/16" x 12-1/8" x 2-5/8" (Total Dimension)
11-1/8" x 8-11/16" x 2-5/8" (Inside Ring)
16 x 1, Viewing area 99mm x 13mm
Optional 26-Bit Card Reader
RS-485 for Slave system (up to eight slaves)
Two on-board relays
Two Auxiliary inputs
Operating environment 10ºF-145ºF Relative Humidity 0%-95% non-condensing
Double 3/4" knock-out on the back and bottom panel

Features

300 tenants, 300 cards and 300 codes
1200 Event buffer
20 programmable time zones, 10 programmable auto-unlock schedules and 20 holiday schedules, 10 programmable temporary cards and access codes for limited use 10 programmable unlock hold cards and access codes Program blocks of cards and blocks of codes

Accessories and Replacement parts Visit our web site www.pach-co.com

Unpacking the System All the items below come with the QUANTUM Q7000iP Series Contact Pach and Company for missing part(s) at (888) 678-7224, Monday-Friday 7:30 AM 4:00 PM Pacific Standard Time.

12VAC 40VA TRANSFORMER (1)
PAIR OF BARREL KEYS (2)
5-PIN GREEN TERMINAL BLOCK (1)
6-PIN GREEN TERMINAL BLOCK (1)
4-PIN GREEN TERMINAL BLOCK (2)
3-PIN GREEN TERMINAL BLOCK (1)
2-PIN GREEN TERMINAL BLOCK (2)
QUICK GUIDE (1)

CHAPTER 2

Installation and Wiring Diagram

Follow the wiring diagram carefully. Improper installation will void the warranty. *Please call technical support in case you have any difficulties during the installation.* Click the selection below for different applications

General Wiring Diagram

Power Wiring Diagram

VOIP Diagram

Door Strike Wiring Diagram

Input Devices and Door Sensor Wiring Diagram

Satellite System Wiring Diagram

2.1 General Wiring Diagram

Installation and Wiring Diagram

Follow the wiring diagram carefully. Improper installation will void the warranty. *Please call technical support in case you have any difficulties during the*

INPUT POWER
12VAC 40VA OR 12VDC 2A — 1 — AC1 / AC2

12VDC 4Ahr
BAT BACK-UP — 2 — BAT / GND / +12VDC

11 FACTORY USE "ONLY"

HEAT SINK
DO NOT TOUCH "HOT"

ON POWER SWITCH

● POWER LED

DOOR 2
RELAY DRY CONTACT — 3 — NO2 / RC2 / NC2

DOOR 1
RELAY DRY CONTACT — 4 — NO1 / RC1 / NC1

TENANT PHONE OR TEL OUT
LOOP TO NEXT SYSTEM — 5 — NTEL1 / NTEL2

TEL INPUT
DIAL TONE — 6 — CO1 / CO2

AUXILARY INPUT — 7 — AUX-N1 / AUX-N2

DOOR SENSORS — 8 — GND / DOORS1 / DOORS2

RS-485 SLAVE
MAX: 8 SLAVES — 9 — D- / D+

26-BIT WIEGAND INPUT — 10 — D0 / D1 / GND / +5VDC

RS-232 To QWCM

MASTER CODE
RETRIEVAL SWITCH

KEYPAD

SPEAKER & MIC

SPEAKER VOLUME
ADJUSTMENT

WARNING: DO NOT USE ON BOARD 12VDC and GND TO POWER A DOOR STRIKE OR MAGNETIC LOCK

SEPARATE POWER MUST BE USED TO POWER A DOOR STRIKE OR MAGNETIC LOCK.

Figure 2.1
General Wiring Diagram

2.2 Power Wiring Diagram

Figure 2.2
Power Wiring Diagram

2.3 VOIP Wiring Diagram

⚠ *In rare occasion, compatibility issue may occur between the QUANTUM Q7000iP Series and your* VOIP *line.*
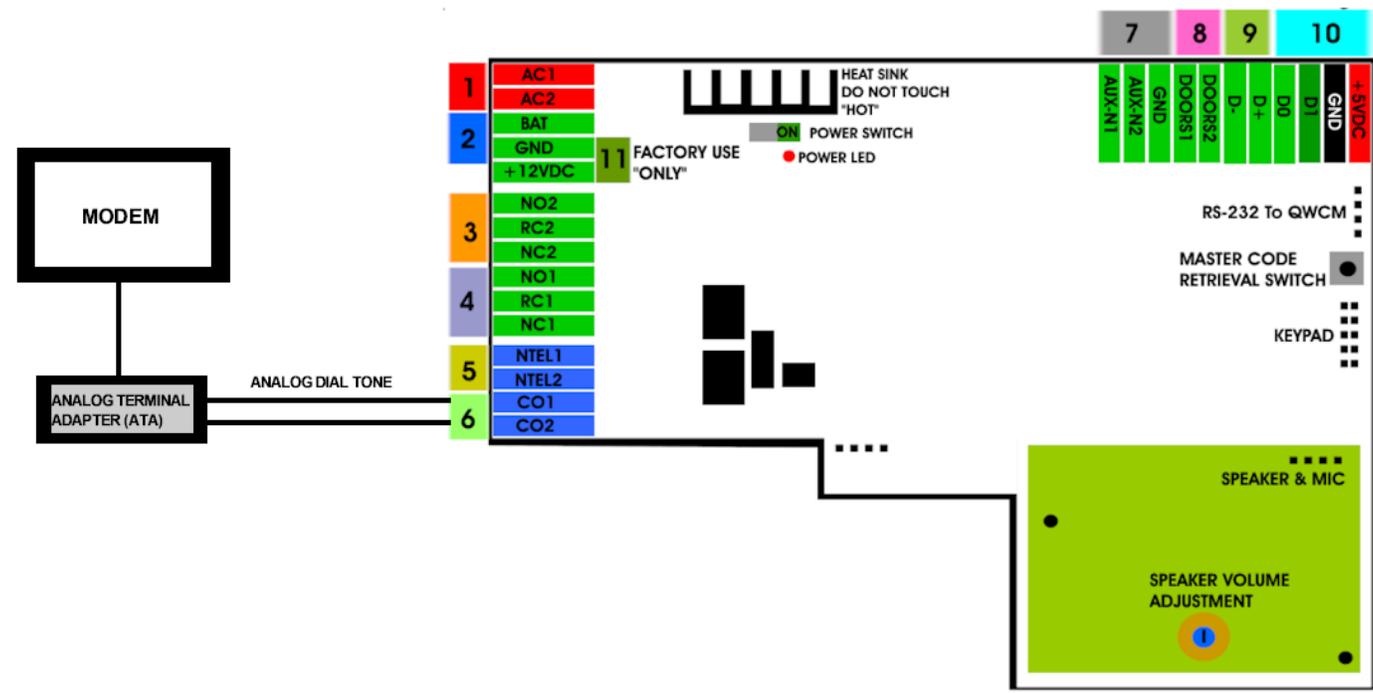
Figure 2.3
VOIP Wiring Diagram

2.4 Door Strike Wiring Diagram
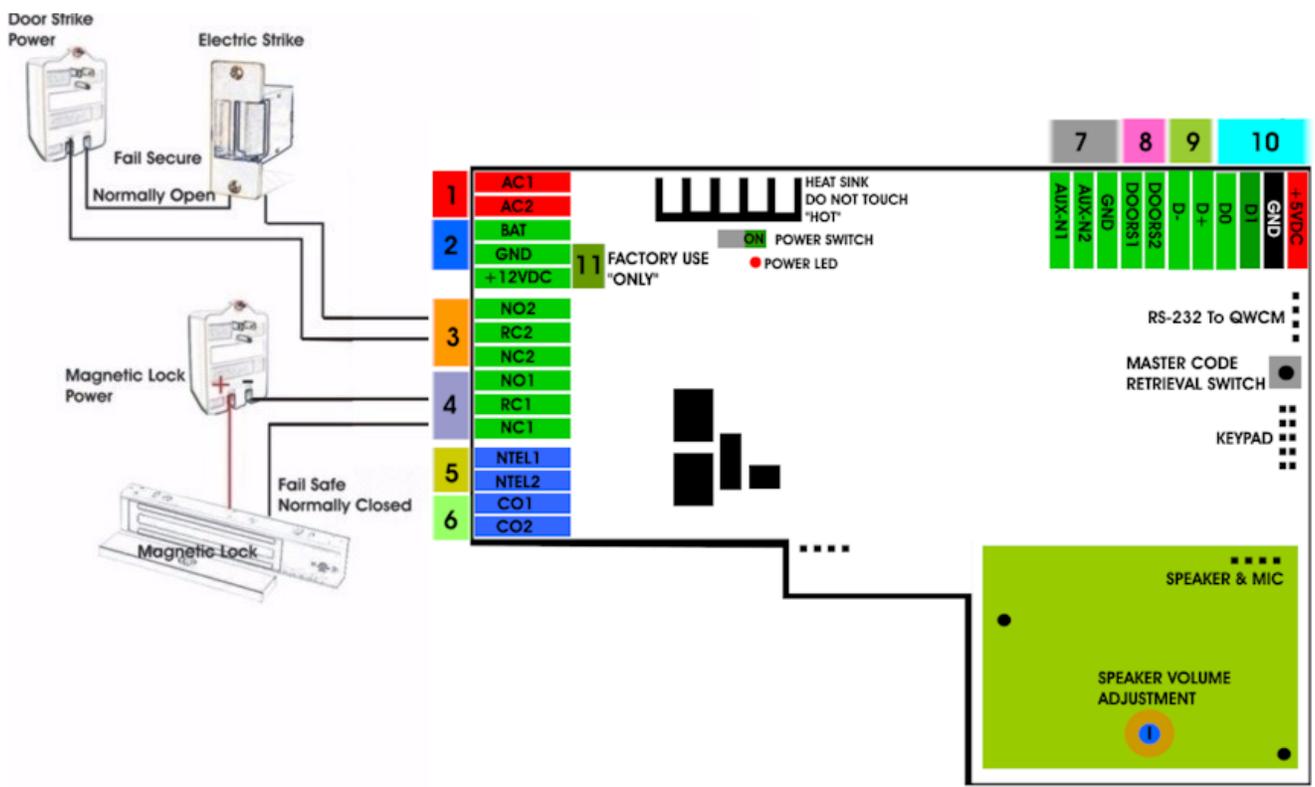
Figure 2.4
Door Strike Wiring Diagram

2.5 Input Device and Door Sensor Wiring Diagram
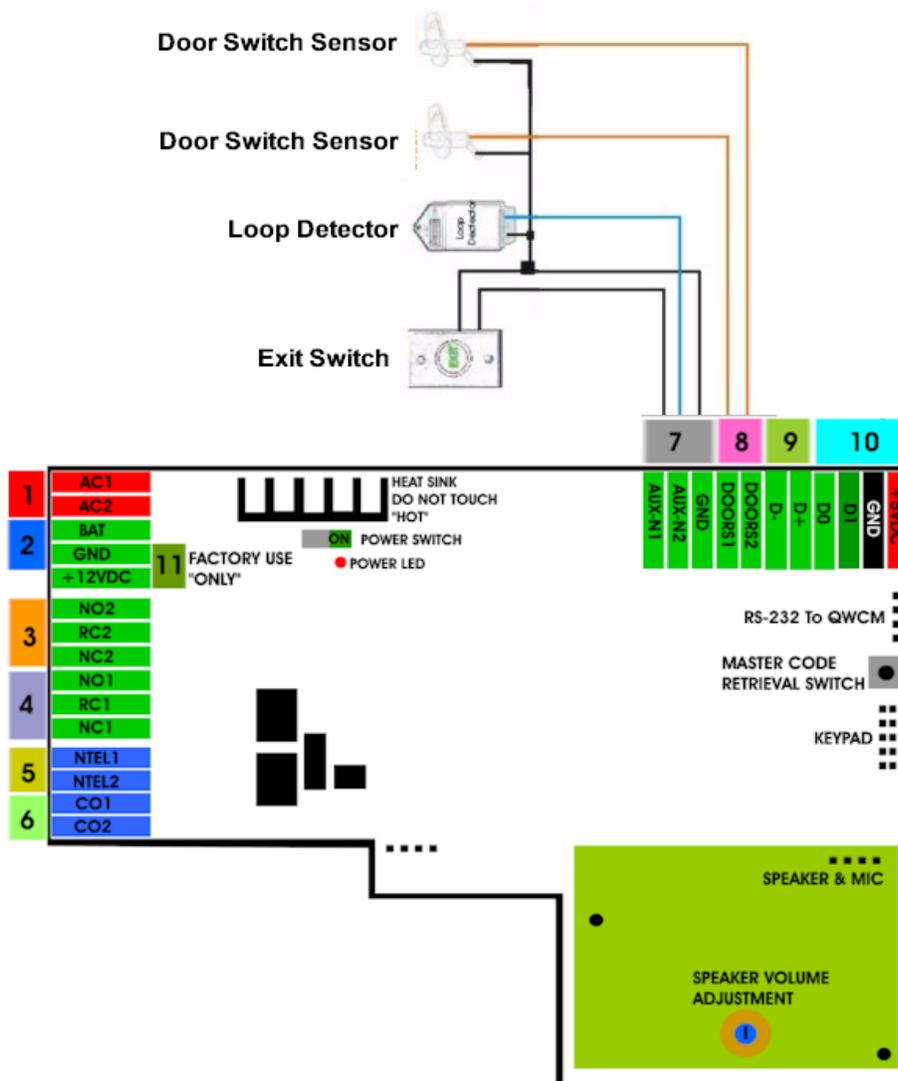
Figure 2.5
Input Device and Door Sensor Wiring Diagram

2.6 Satellite System Wiring Diagram
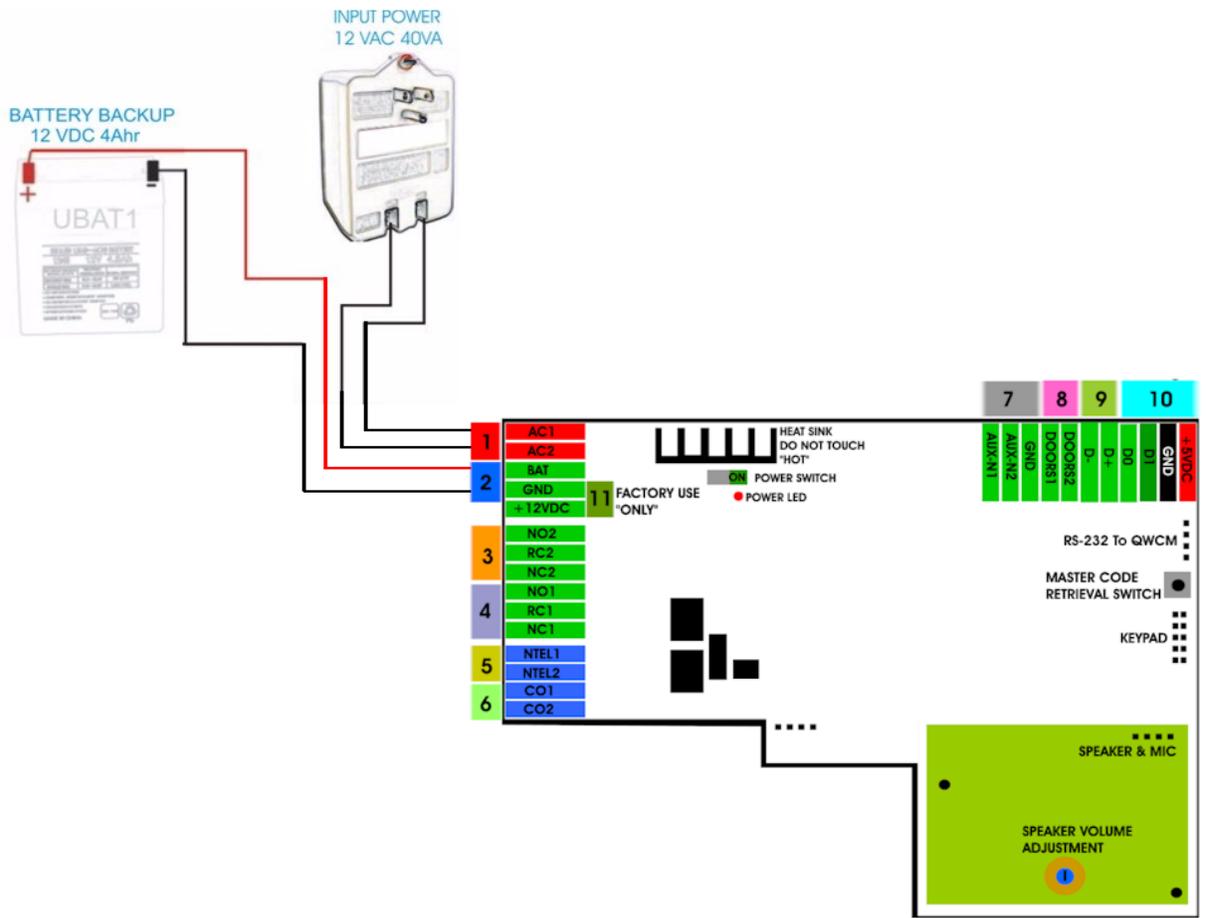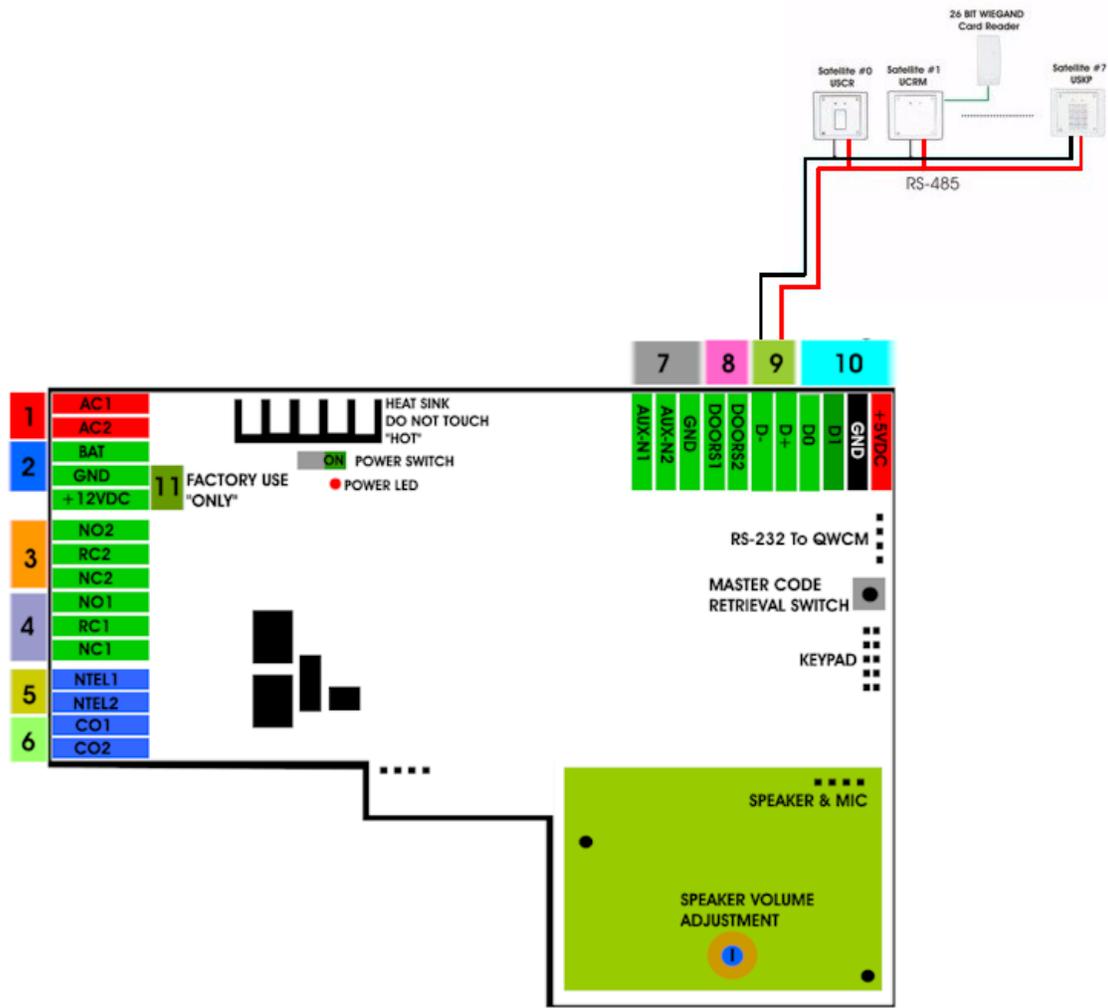
Figure 2.6
Satellite System Wiring Diagram

*Assuming all wiring has been done properly according to chapter 2 then turn the system s power on as shown on figure 2.1 **number 10**. The LCD will go into a cycling mode as below*

LCD Display OK --- Flash OK --- RTC OK --- DTMF OK --- INIT START --- INIT COMPLTE --- SCROLLING

CHAPTER 3
Keypad Correlation Table

The QR5 buttons are lighted. Below are the correlation table for each key.

1 = 1 _ . , ? : ; ! @ + - * / = # < > %

2 A B C a b c 2

3 D E F d e f 3

4 G H I g h i 4

5 J K L j k l 5

6 M N O m n o 6

7 P Q R S p q r s 7

8 T U V t u v 8

9 W X Y Z w x y z 9
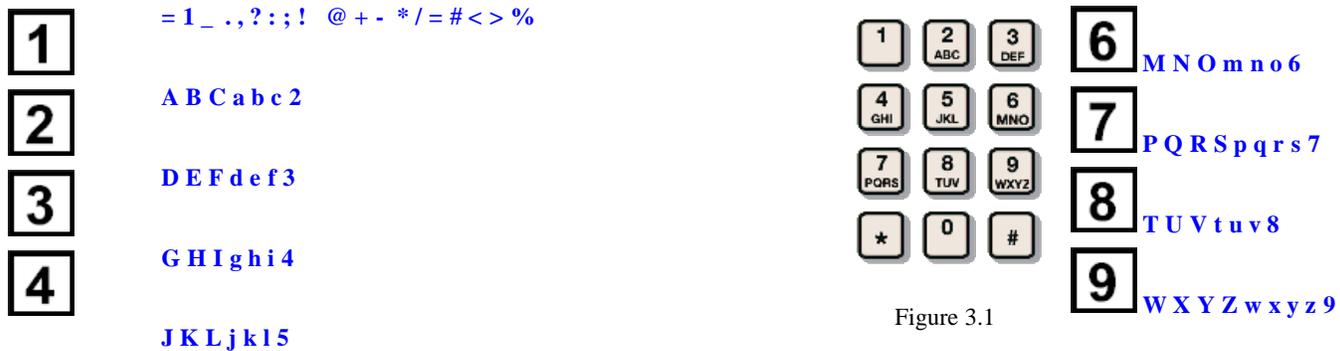
Figure 3.1

5

Cancel call, Erase incorrect letter or number, exit programming (*)

*

0 SPACE

CALL, ENTER, EXCEPT PROGRAM

CHAPTER 4
Programming

Log-in to Programming Mode

1. Press 0 and # simultaneously, then release, the welcome screen will stop scrolling.

2. Enter 4-digit master code (default=0000) then press # (if you do not know the master code, see chapter 2 step 8)

SELECT FUN:

Function Code 00 - Change Master Code

1. Log-in to programming

2. Enter 00 then #

MASTER CODE:0000

3. Enter new master code then press #

Function code 01 - Add New Tenant Directory

By default the directory digit is set to 3 but it can be changed to 3 or 4 digit. See function code 19

1. Log-in to programming

2. Enter 01 then #

FWD DIR(0-9):0

3. Enter directory number 0-9 *(directory is in single digit and cannot be changed)* then #

NAME

‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ see Chapter 3 for keypad layout

4. Enter name up to 16 characters (*name can be a person real name, apartment number, etc., directory will be sorted in alphabetical order*) then press #

PHONE NUM

‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒

5. Enter the tenant phone number up to 16-digit (*phone number can be land line number, cellular number or Voice over IP (VOIP) number. Note: VOIP phones may have problems releasing door)* then press #.

Function Code 02 - Edit Tenant Directory

1. Log-in to programming

2. Enter 02 then #, the display will show

FWD DIR(0-9):0

3. Enter tenant directory number to be edited then #

NAME

PACH AND COMPANY

Enter new name up to 16 characters then press # *or press* # *without entering anything to keep the existing name*

PHONE NUM

————————————— see Chapter 3 for keypad layout

4. Enter the a new tenant phone number up to 16-digit then press # or *press* # *without entering anything to keep the existing number*.

Function Code 03 - Delete Tenant Directory

1. Log-in to programming

2. Enter 03 then #

DEL FWD(0-9):_

3. Enter the tenant directory to be deleted (0-9) then press #

DELETED if directory exists

NOT EXIST if directory does not exist

Function Code 04 - Clear All Tenant Directories

1. Log-in to programming

2. Enter 04 then #

CLR ALL FWD(1):

3. Do the following:
   - Press 1 (to clear all directories) then press #
   - Press * to cancel

ALL CLR

Function Code 05 - Call Forwarding

Option 1 must be selected. Default is 1 (enable)

1. Log-in to programming

2. Enter 30 then #

FWD(E=1, D=0):1

3. Enter 0= disable (default) or 1= enable then press #

Function Code 06 - Add New Access Code

An access code is a keyless entry code to unlock the door. An access code can be programmed in 4, 5 ,6,7, or 8 digits, see function code 09 to change the access code number of digit.

1. Log-in to programming

2. Enter 06 then #

NEWCODE:

3. Enter the access code (4-8 digit, see function code 09), then press #

NAME

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ see Chapter 3 for keypad layout

4. Enter name up to 16 characters, then press #

DOOR(1,2,3):

5. Enter door 1 or 2, or 3 for both, then press #

TMZ SET(1-3):

6. Enter time zone 1-3 then press #

TMZ NO(0-20):_ _

7. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_ _ _ _ _ _ _

8. Enter satellite system ID 0-7 (enter 0 if no satellite connected to the QR5) then press #

Another(0-1):_

9. Enter

    0= no more additional time zone then press # and return to step 3 to program another access code
    1= add additional time zone then press # and return to step 6
    * = exit programming

Function Code 07 - Delete Access Code
▲

1. Log-in to programming

2. Enter 07 then #

DELCODE:_ _ _ _

3. Enter code to be deleted then press #

CODE DELETED if access code exists

CODE NOT EXIST if access code does not exist

Repeat this step to delete another code

Function Code 08 - Clear All Access Codes
▲

1. Log-in to programming

2. Enter 07 then #

CLR ALL CODE(1) _

3. Enter

1 to clear all access code then press #

ALL CODE CLEARED or

* to cancel

Function Code 09 - Access Code Digit

1. Log-in to programming

2. Enter 09 then #|

CODE DIGIT: 4

3. Enter 4, 5, 6, 7 or 8 (default setting is 4 digit) then press #

Function Code 10 - Add New Card

1. Log-in to programming

2. Enter 10 then #

NEWCARD: _ _ _ _ _ _ _ _

3. Present the card in front of the card reader black window, the number will register automatically (or enter the last 8 digits of the number on the card) then press #or press the transmitter button (the number will automatically register) then press #

NAME

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ see Chapter 3 for keypad layout

4. Enter name up to 16 characters then press #

DOOR(1,2,3):

5. Enter door 1 or 2, or 3 for both then press #

TMZ SET(1-3):

6. Enter time zone 1-3 then press #

TMZ NO(0-20):_ _

7. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_ _ _ _ _ _ _ _

8. Enter satellite system ID 0-7 (enter 0 if no satellite connected to the QR5) then press #

Another(0-1):_

9. Enter
   0= no more additional time zone then press # and return to step 3 to add program another card
   1= add additional time zone then press # and return to step 6
   * = exit programming

Function Code 11 - Delete Card

▲

1. Log-in to programming

2. Enter 11 then #

   `DELCARD: _ _ _ _ _ _ _ _`

3. Present the card in front of the card reader black window, the number will register automatically (or enter the last 8-digits of the number on the card) then press #

   `CARD DELETED` if card exists

   `CARD NOT EXIST` if card does not exist

   Repeat this step to delete another code

Function Code 12 - Clear All Cards

▲

1. Log-in to programming

2. Enter 12 then #

   `CLEAR ALL CARD(1) _`

3. Enter

   1 to clear all cards or transmitters then press #

   `ALL CARD CLEARED` or

   * to cancel

Function Code 13 - Set Time

▲

1. Log-in to programming

2. Enter 13 then #

   `TIME (HH:MM) 13:52`

3. Enter
   HH= in military time
   MM= minute
   the press #

Function Code 14 - Set Date

▲

1. Log-in to programming

2. Enter 14 then #

DATE: 2011/08/11

3. Enter YYYY/MM/DD
   YYYY= year
   MM= Month
   DD= Date
   then press #

DAY(0=SUN): 2

4. Enter
   0= Sunday, **1**= Monday, **2**= Tuesday, **3**= Wednesday, **4**= Thursday, **5**= Friday, **6**= Saturday
   then press #

DAYLIGHT(0-1):1

5. Enter 0= NO Daylight Saving Zone (Hawaii, Indiana and Arizona) 1=Daylight Saving Zone
   then press #

Function Code 15 - Initializing Event recording

The events are stored in the RAM buffer. The Event RAM buffer can hold 600 events. The Events are stored as first in first out (FIFO). This function code will clear the event buffer.

1. Log-in to programming

2. Enter 15 then #

EVENT INIT(1):_

Enter 1 then # to clear event buffer

INIT EVENT BUF... or

∗ to cancel deletion

Function Code 16 - Auto Unlock Schedule (AUS)

Open and close the door according to the schedule programmed. if the open time is 06:00 and close time 18:00, door 1,2 or both will unlock at 06:00 am and close at 06:00 pm. 10 AUS can be programmed.

1. Log-in to programming

2. Enter 16 then #

AUS NO(0-9):_

3. Enter AUS (0-9) then press #

ADD=1 DEL=0:_

4. Enter
   0= Delete the existing AUS the press #

DELETED or

1= Add AUS then press #

OPEN TIME:_ _ _ _

5. Enter open time in military then press #

CLOSE TIME:_ _ _ _

6. Enter close time in military then press #

DAY(0-6)_ _ _ _ _ _ _

7. Enter
   0= Sunday, **1**= Monday, **2**= Tuesday, **3**= Wednesday, **4**= Thursday, **5**= Friday, **6**= Saturday
   then press #

DOOR(1-3):_

8. Enter
   1= Relay 1 (door 1)
   2= Relay 2 (door 2)
   3= Both relay 1 and 2
   then press #
9. Return to step 3 to enter another AUS

Function Code 17 - Time Zone (TMZ)

20 Time Zone can be programmed and up to three time zone can be assigned to each access code or card to allow access during a certain time of the day.

1. Log-in to programming

2. Enter 17 then #

TMZ NO(0-20):_ _

3. Enter 01-20 (00=24 hours access automatically) then press #

ADD=1 DEL=0:_

4. Enter

   0= Delete the existing time zone then press #

DELETED or

1= add new time zone then press #

START TIME:_ _ _ _

5. Enter start time in military then press #

END TIME:_ _ _ _

6. Enter end time in military then press #

DAY(0-6)_ _ _ _ _ _ _

7. Enter

   0= Sunday, **1**= Monday, **2**= Tuesday, **3**= Wednesday, **4**= Thursday, **5**= Friday, **6**= Saturday
   then press #

   Return to step 3 to program more time zone

Function Code 18 - Holiday Zone (HLD)

HLD is to over ride Time Zone (TMZ) and Auto Unlock Schedule (AUS) during the holidays. Up to 20 Holiday Zone can be programmed

1. Log-in to programming

2. Enter 18 then #

HLD NO(1-20):_ _

3. Enter 01-20 then press #

ADD=1 DEL=0:_

4. Enter

   0= Delete the existing holiday zone then press #

DELETED or

   1= add new holiday zone then press #

HOLIDAY:_ _ _ _

5. Enter month and date (i.e. 0704 for U.S.A Independence Day) then press #
   Return to step 3 to add more holiday zones.

Function Code 19 - Directory Digit

Directory digit is a unique number that must be assigned for each tenant. Directory digit can be an apartment number. By default is set to 3 but it can be changed to 2,3 or 4 digit. It also uses to do direct call.

1. Log-in to programming

2. Enter 19 then #

DIR DIGIT: 3

3. Enter 2, 3 or 4 digit then press #

Function Code 20 - AUXIN1

AUXIN1 is used for input device such as postal lock, infrared sensor, exit button, etc..AUXIN1 is associated with relay 1

1. [Log-in to programming](#)

2. Enter 20 then #

AUXIN1:0

3. Enter
   0= disable (default setting)
   1= Enable control by relay 1 open door interval, see [function code 28](#)
   2= relay 1 control by AUXIN1
   then press #

Function Code 21 - AUXIN2

AUXIN2 is used for input device such as postal lock, infrared sensor, exit button, etc.. AUXIN2 is associated with relay 2

1. [Log-in to programming](#)

2. Enter 21 then #

AUXIN2:0

3. Enter
   0= disable (default setting)
   1= Enable control by relay 2 open door interval, see [function code 29](#)
   2= relay 2 control by AUXIN2
   then press #

Function Code 22 - Do Not Disturb

If Do Not Disturb is enabled visitors can't call from the system

1. [Log-in to programming](#)

2. Enter 21 then #

NO DIST EN(1):0

3. Entert 0= disable, 1= enable then press #

Function Code 23 Lock-out Count

The system will be disabled in about 60 seconds after pressing invalid access code or swiping invalid card as specified on the Lock-out Count.

1. Log-in to programming

2. Enter 23 then #

LOCKOUT CNT:3

3. Enter 1-9 (default=3) then press #

Function Code 24 Alarm

The system will make have warning alarm if invalid code or card has been enter according to the setting on function code 23.

1. Log-in to programming

2. Enter 24 then #

ALARM NO(0-3):1

3. Enter
   0= disable, **1**=disable system for 60 seconds and local beep (default setting), **2**= disable system for 60 seconds with no beep
   3= call directory (0-9) then press #

Function Code 25 Keypad Beep

Turn the keypad press beep On or Off

1. Log-in to programming

2. Enter 25 then #

KEY BEEP(0-1):1

3. Enter 0= off, 1= On (default) then press #

Function Code 26 Door Beep

Turn the door beep On or Off

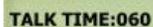1. Log-in to programming

2. Enter 26 then #

DOOR BEEP(0-1):1

3. Enter 0= off, 1= On (default) then press #

Function Code 27 Talk Time

The amount of time the visitor can talk to the tenant. The timer starts as soon as the system is offhook.

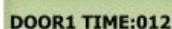1. Log-in to programming

2. Enter 27 then #

TALK TIME:060

3. Enter 10-240 seconds then press #

Function Code 28 Unlock Relay 1 Time
▲

Relay 1 trigger time.

1. Log-in to programming

2. Enter 28 then #

DOOR1 TIME:012

3. Enter 01-99 (second) then press #

Function Code 29 Unlock Relay 2 Time
▲

Relay 2 trigger time.

1. Log-in to programming

2. Enter 29 then #
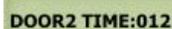
DOOR2 TIME:012

3. Enter 01-99 (second) then press #

Function Code 33 Temporary Code
▲

The code will expire after a certain amount of used (1-10 times) in the programming, Up to 10 temporary codes can be programmed.

1. Log-in to programming

2. Enter 33 then #

TEMP CODE(0-1)

3. Enter 0= delete existing temporary code or 1= add temporary code then press #

CODE NO(1-10): _ _

4. Enter code number 01-10 then press #

NEWCODE:

5. Enter 4-8 digit code, see digit setting on function code 09
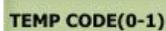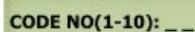
NAME

_____ see Chapter 3 for keypad layout

6. Enter name then press #

DOOR(1,2,3):

7. Enter 1= relay 1(door 1), 2= relay 2 (door 2) or 3= both relay then press #

TMZ SET(1-3):

8. Enter time zone set 1-3 then press #

TMZ NO(0-20):__

9. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_____

10. Enter Sat id 0-7 then press # (enter 0 if no satellite connected to the QR5)

Another(0-1):_

11. Enter
    0= no more additional time zone then press # and return to step 3 to program another temporary code
    1= add additional time zone then press # and return to step 8
    * = exit programming

Function Code 34 Special Code

▲

Unlock hold (open hold) and use same code to lock (close) door or gate. Up to 10 special codes can be programmed.

1. Log-in to programming

2. Enter 34 then #

SPEC CODE(0-1): _

3. Enter 0= delete 1= add then press #

CODE NO(1-10): __

4. Enter code 01-10 then press #

NEWCODE:

5. Enter 4-8 digit code, see digit setting on function code 09

NAME

_____ see Chapter 3 for keypad layout

6. Enter name then press #

DOOR(1,2,3):

7. Enter 1= relay 1(door 1), 2= relay 2 (door 2) or 3= both relay then press #

TMZ SET(1-3):

8. Enter time zone 1-3 then press #

TMZ NO(0-20):_ _

9. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_ _ _ _ _ _ _

10. Enter Sat ID 0-7 then press # (enter 0 if no satellite connected to the QR5)

Another(0-1):_

11. Enter
    0= no more additional time zone then press # and return to step 3 to program another temporary code
    1= add additional time zone then press # and return to step 8
    * = exit programming

Function Code 35 Temporary Card

▲

The fob or card will expire after a certain amount of used (1-10 times) in the programming, Up to 10 temporary fobs or cards can be programmed.

1. Log-in to programming

2. Enter 35 then #

TEMP CARD(0-1): _

3. Enter 0= delete 1= add then press #

CARD NO(1-10): _

4. Enter card 01-10 then press #

NEWCARD: _ _ _ _ _ _ _ _

5. Present the card or fob in front of the black window, the system will register the card or fob 8-digit number printed then press #

NAME

_ _ _ _ _ _ _ _ _ _ _ _ _ _ see Chapter 3 for keypad layout

6. Enter name and press #

DOOR(1,2,3):

7. Enter 1= relay 1(door 1), 2= relay 2 (door 2) or 3= both relay then press #

TMZ SET(1-3):

8. Enter time zone 1-3 then press #

TMZ NO(0-20):_ _

9. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_ _ _ _ _ _ _ _

10. Enter Sat ID 0-7 then press # (enter 0 if no satellite connected to the QR5)

Another(0-1):_

11. Enter
0= no more additional time zone then press # and return to step 3 to program another temporary code
1= add additional time zone then press # and return to step 8
* = exit programming

Function code 36 Special Card
△

Unlock hold (open hold) and use same fob or card to lock (close) door or gate. Up to 10 special fobs or cards can be programmed.

1. Log-in to programming

2. Enter 36 then #

SPEC CARD(0-1): _

3. Enter 0= delete 1= add then press #

CARD NO(1-10): _

4. Enter code 01-10 then press #

NEWCARD: _ _ _ _ _ _ _

5. Enter 4-8 digit code, see digit setting on function code 09

NAME

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ see Chapter 3 for keypad layout

6. Present the card or fob in front of the black window, the system will register the card or fob 8-digit number printed then press #

DOOR(1,2,3):

7. Enter 1= relay 1(door 1), 2= relay 2 (door 2) or 3= both relay then press #

TMZ SET(1-3):

8. Enter time zone 1-3 then press #

TMZ NO(0-20):_ _

9. Enter 00 (*24 hours*) - 20 see function code 17 then press #

SAT ID:_ _ _ _ _ _ _

10. Enter Sat ID 0-7 then press # (enter 0 if no satellite connected to the QR5)

Another(0-1):_

11. Enter
   0= no more additional time zone then press # and return to step 3 to program another temporary code
   1= add additional time zone then press # and return to step 8
   * = exit programming

Function Code 38 System Acknowledge

The system will answer an incoming call after a number of rings. Sharing the phone line with fax or alarm system, disable this code.

1. Log-in to programming

2. Enter 38 then #

SYS ACK(0-9):0

3. Press
   0= disable auto answer
   1-9= answer in 1-9 rings
   then press #

Function Code 39 Disable and Enable Remote Access

If no remote opening allow, disable it using this function code. Default setting is enabled.

1. Log-in to programming

2. Enter 39 then #

   DTMF ACC(0-1):1

3. Press
   0= disable remote access
   1= enable remote access (default)
   then press #

Function Code 40 DTMF Relay 1

By default the DTMF remote opening relay 1 (door 1) key number is set to 9 means pressing 9 will remotely trigger relay 1 (door 1). The number can be changed by selecting 1-9 to trigger relay 1 (door 1). Note: by default remote access for relay 2 is set to 8, see function code 41. If you set relay 1 for key number 8 then you MUST change relay 2 to different key number even though relay 2 is not used.

1. Log-in to programming

2. Enter 40 then #

   DTMF DOOR1(1-9)9

3. Press 1-9 (9 is default setting) then press #

Function Code 41 DTMF Relay 2

By default the DTMF remote opening relay 2 (door 2) key number is set to 8 means pressing 8 will remotely trigger relay 2 (door 2). The number can be changed by selecting 1-9 to trigger relay 2 (door 2). Note: by default remote access for relay 1 is set to 9, see function code 42. If you set relay 2 for key number 9 then you MUST change relay 1 to different key number even though relay 1 is not used.

1. Log-in to programming

2. Enter 41 then #

   DTMF DOOR2(1-9)8

3. Press 1-9 (9 is default setting) then press #

Function Code 42 Relay 2 Mode

Relay 2 can be set to four different mode: 1= door control, 2= trigger simultaneously as relay 1, 3= alarm mode (see function code 24), 4= turn relay 2 on/off remotely (DTMF key7/6)

1. Log-in to programming

2. Enter 42 then #

RELAY2 MODE:1

3. Enter
   1= door control, **2**=trigger simultaneously as relay 1, **3**= alarm mode (see function code 24), **4**= turn relay 2 on/off remotely (DTMF key 7/6), then press #

Function Code 43 Do Not Disturb Time Zone
▲

If you do not want to be disturbed from someone calling you from the system during certain hours of the days, you can create Do Not Disturb Time Zone. For example: 22:00-06:00 Monday-Sunday. Up to 10 Do Not Disturb Time Zones ca be programmed.

1. Log-in to programming

2. Enter 43 then #

DND NO(0-9):_

3. Enter 0-9 then press #

ADD=1 DEL=0:_

4. Enter 0= delete, 1= add then press #

START TIME:_ _ _ _

5. Enter start time (military time) the press #

END TIME:_ _ _ _

6. Enter end time then press # (military time, end time must be later than start time, if start time: 22:00 hour and end time: 06:00, two time zone must be created (22:00 hour - 24:00 hour, 00:01 hour 06:00 hour)

DAY(0-6):_ _ _ _ _ _ _

7. Enter
   0= Sunday, **1**= Monday, **2**= Tuesday, **3**= Wednesday, **4**= Thursday, **5**= Friday, **6**= Saturday
   then press #

8. Return to step 3 to program another time zone

Function Code 44 Disable Time Zone Relay
▲

The system's relay can be disabled during certain time but the system is still in full operation. Maximum 10 disable time zones.

1. Log-in to programming

2. Enter 44 then #

DISABLE(0-9):_

3. Enter 0-9 then pres #

ADD=1 DEL=0:_

4. Enter

   0= Delete the existing time zone then press #

   DELETED or

   1= add new time zone then press #

   START TIME:_ _ _ _

5. Enter start time in military then press #

   END TIME:_ _ _ _

6. Enter end time in military then press #

   DAY(0-6)_ _ _ _ _ _ _

7. Enter
   0= Sunday, **1**= Monday, **2**= Tuesday, **3**= Wednesday, **4**= Thursday, **5**= Friday, **6**= Saturday
   then press #

   Return to step 3 to program more time zone

Function Code 45 Relay 1 and 2 Unlock Timer

Relay 1 and 2 can be unlock using count down timer 01-98 hours or 00=lock or 99= unlimited unlock hold.

1. Log-in to programming

2. Enter 45 then #

   WHICH DOOR:_

3. Enter relay 1 (door 1) then press #

   DOOR1 HOURS:00 then press #

   or relay 2 (door 2) then press #,

   DOOR2 HOURS:00 then press #

Function Code 46 Firmware Version

Firmware version

1. Log-in to programming

2. Enter 46 then #

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Function Code 48 PBX Enable

If the system is installed behind a Private Branch Exchange (PBX) then 9 is necessary before dialing an outside line. If this function is enabled then the system can only be dialing an outside line, it can't dial the extension.

1. Log-in to programming

2. Enter 48 then #

PBX EN(0-1):0

3. Enter 0= disable or 1= enable then press #

PBX NUM:9

4. Enter the number to access dial tone to dial an outside line, generally 9 is the default number for most PBX system, then press #

Delay(1-5s):5

5. Select delay time for the PBX system to access dial tone, generally 2-3 second delay is plenty of time, then press #

Function Code 49 Edit Existing Access Code, Temporary Code and Special Code

1. Log-in to programming

2. Enter 49 then #

CODE:_ _ _ _

3. Editing an Access Code click here or
   Editing a Temporary Code, click here or
   Editing a Special code, then click here

Function Code 50 Erase Memory to Factory Default

Warning: This function code will erase the memory to factory default, no way to restore them unless the database has been saved in the computer.

1. Log-in to programming

2. Enter 50 then #

MEM DEFAULT(1):_

3. Enter 0= cancel or 1= continue then press #

MEM DEFAULT WAIT

Function Code 51 Welcome Screen

It consists of three segments and 16 characters for each segment

1. Log-in to programming

2. Enter 51 then #

***PRESS 3 or 6

3. 1st segment, enter the characters then press # see Chapter 3 for keypad layout

_to scroll. Pres

4. 2nd segment, enter the characters then press # see Chapter 3 for keypad layout

5. 3rd segment, enter the characters then pres # see Chapter 3 for keypad layout

CHAPTER 5
Operations

5.1 Call from the System

1. **Direct Call**: press # then directory code, see function code 19
2. **Scrolling**: press 3 or 6 to scroll name then press # to call the selected name

5.2 Opening Door Remotely

Relay 1 (door 1), press 9

Relay 2 (door 2), press 8

5.3 Opening Door Using Access Code, Temporary Code, and Special Code

Access code Standard Operation is keyless entry code to open the door and door will be closed automatically, see function code 06
Temporary Code is used for limited number of times, maximum 10 times then the code will be expired, see function code 33
Special Code is used to unlock hold door and then use same code to lock the door, see function code 34

Press ***** (display will stop scrolling) then press the 4, 5, 6, 7 or 8 digit access code as programmed on Function Code 09

5.4 Opening Door Using Card, Temporary Card, and Special Card

The QUANTUM Q7000iP Series has built-in card reader. The door can be access using UFOB, UCLAM or UISO.
Card Standard Operation is used to open the door and door will be closed automatically, see function code 10
Temporary Card is used for limited of times, maximum 10 times then the card will be expired, see function code 35
Special Card is used to unlock hold door and then use same card to lock the door, see function code 36

⚠️ *Pach and Company UFOB, UCLAM and UISO must be used to have access to the card reader. Other manufacturers card will not work.*

Swipe the card as shown below. The card reader antenna is mounted behind the black square window.

5.5 Extending Talk Time

The talk time timer is set on function code 27. The warning beep will be heard one minute before the talk time is expired. It can be extended more another full cycle by pressing #

5.6 Call the System from Remote Location

1. *The system must be install in Intercom and Call Forwarding Mode Wiring Diagram or Call Forwarding Mode wiring Diagram*
2. *Function code 38 must be* set at least for 1 ring
3. Function code 39 must be set to 1
4. You must have the system phone number
5. Call the system phone number if the system answered, short beep will be heard.
6. Press # then 4-digit Master code (default is 0000), short beep will be heard if master code is accepted
7. Press * to establish two ways communication
8. Press 9 to release relay 1 (door 1) or 8 to release relay 2 (door 2).

CHAPTER 6
QWCM Internet IP Module

The QWCM is only applicable for QR5IP. Click here for complete manual for QWCM
QR5IP DEFAULT SETTING
IP: 192.168.1.230
SUBNET: 255.255.255.0
GATEWAY: 192.168.1.1

DNS: 192.168.1.1
USERNAME: Administrator
PASSWORD: 8888