Operator's manual
Model CP200

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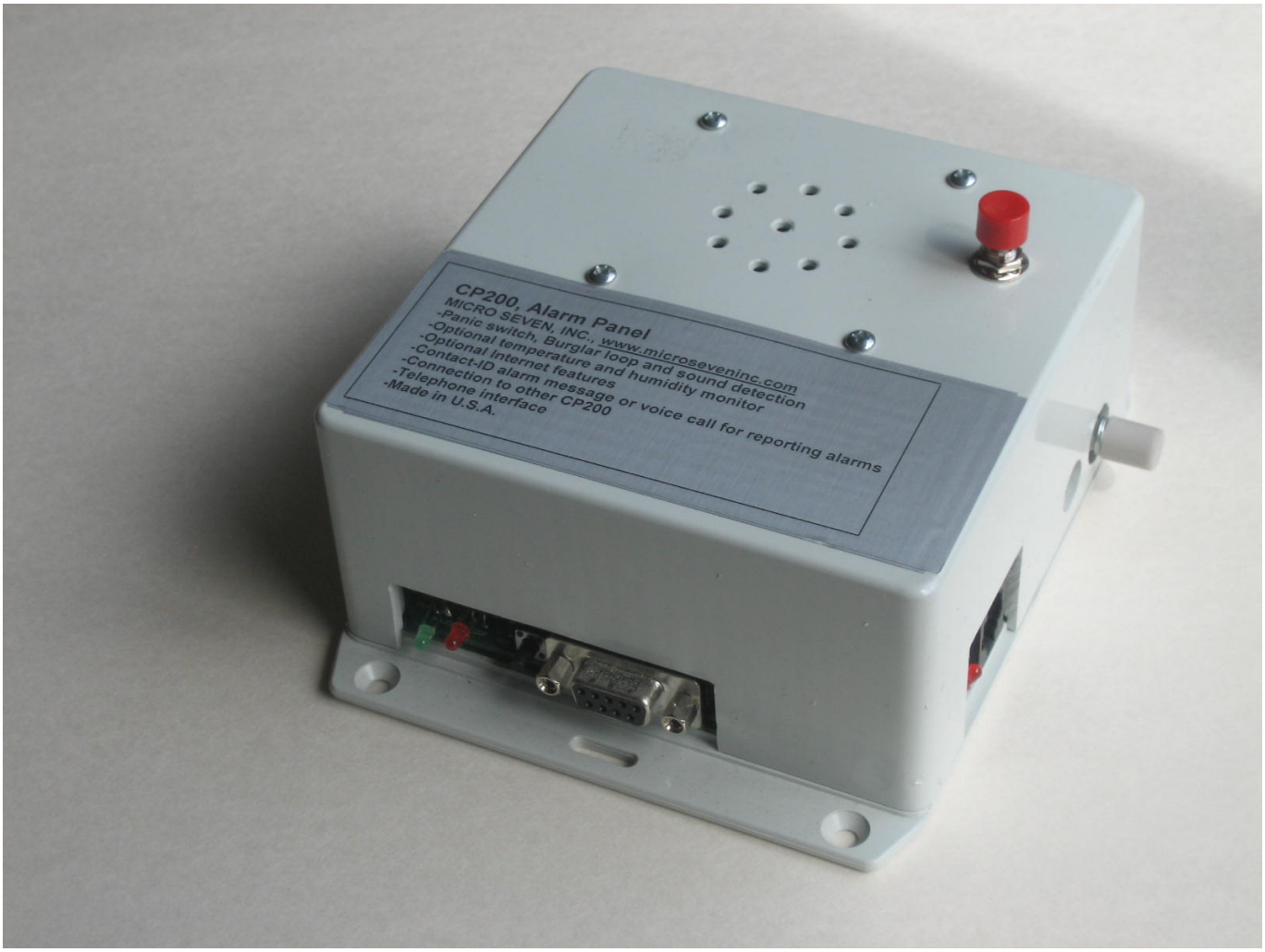
All requests for repairs should be directed to the factory.

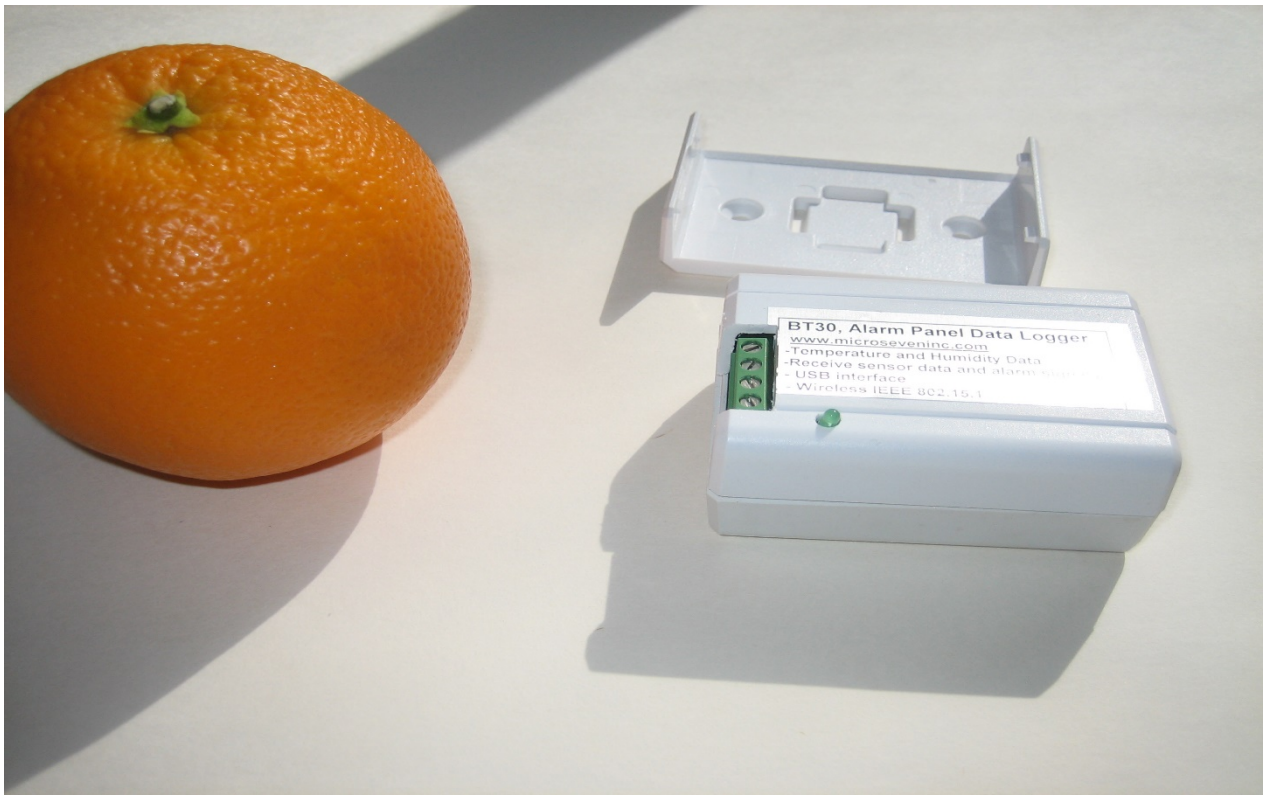
This instrument is warranted against defective workmanship and materials for a period of six months. There will be no warranty when the instrument is misused, or when the factory seal on the instrument is broken.

Printed in U.S.A.

Specification and price change privileges are reserved.



The CP200 is shown in the above picture of power indicator, RS232 connector, telephone connector, power connector, arming/disarming switches, loop status, power indicator, panic button(red switch on top) and audio speaker.



External temperature/humidity box, BT30 with wall-mount bracket is available as shown below. Temperature and humidity data is sent to CP200 with cable.

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SECTION1

INTRODUCTION

CP200 is a general-purpose alarm panel that detects burglary loop for violation, excessive sound, medical/panic condition or optional high/low ambient temperature and humidity conditions. CP200 sends alarm messages over telephone lines to an alarm central station or delvers voiced alarm messages to your families, parents, guardian, or friends.

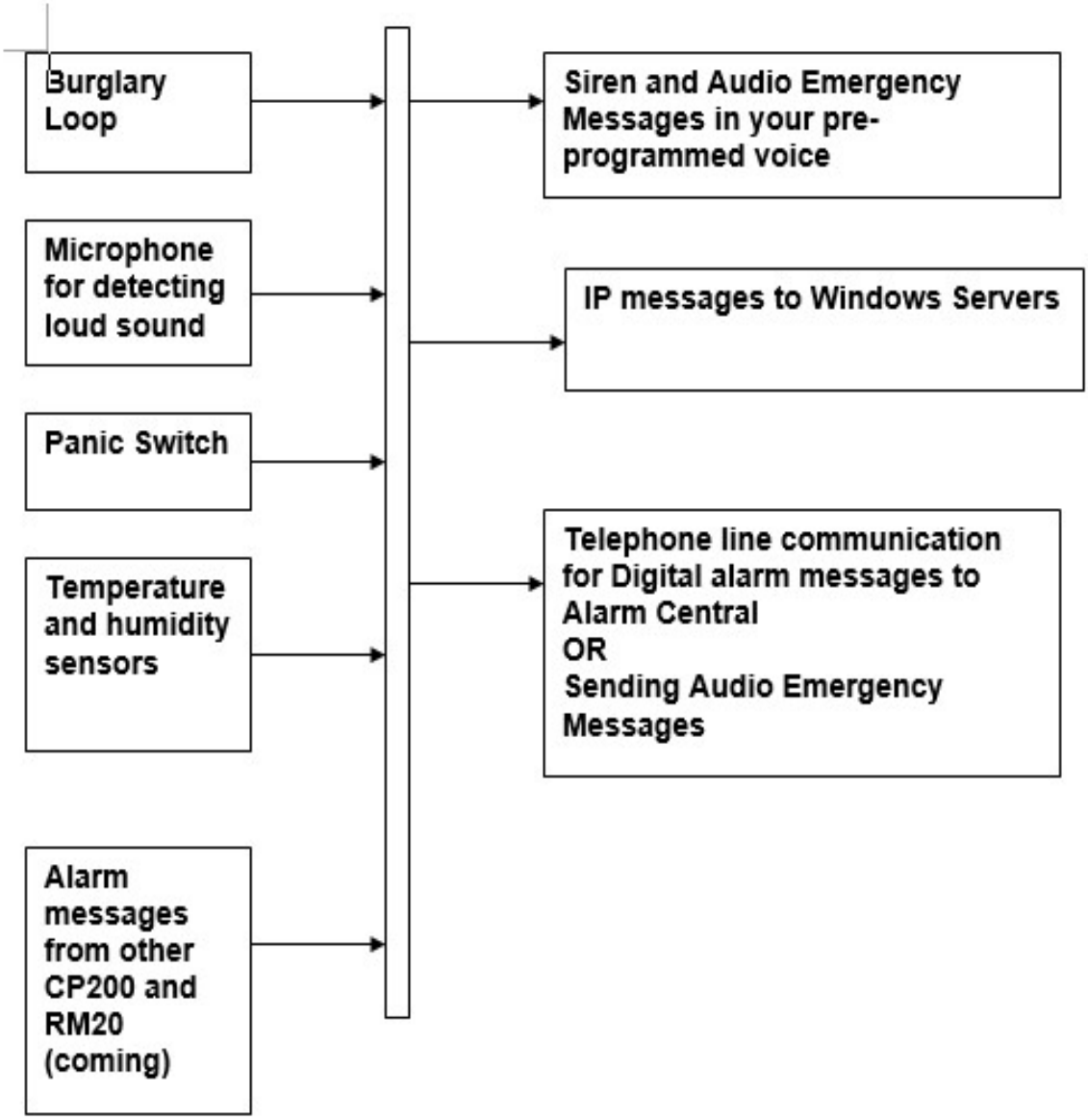
After siren ends, voice messages for incident description are generated from audio speaker. Voice messages need to be recorded in your own voices for type of alarms and emergency words.

Internet/Wi-Fi and temperature/humidity options provide and monitoring of temperature and humidity on PC screen.

With email (SMTP) server, email and text messages are transmitted in addition to telephone reporting.

CP200 is also able to receive emergency messages from another CP200 for sounding sirens and transmitting alarm messages via telephone lines.

Optional alarm receiver for receiving Contact-ID alarm messages from any alarm panel.


Burglary Loop
Microphone for detecting loud sound
Panic Switch
Temperature and humidity sensors
Alarm messages from other CP200 and RM20 (coming)
Siren and Audio Emergency Messages in your pre-programmed voice
IP messages to Windows Servers
Telephone line communication for Digital alarm messages to Alarm Central
OR
Sending Audio Emergency Messages

SECTION2

SPECIFICATION

Alarm messages:

1. Digital alarm message (Contact-ID) or voice message via telephone line
2. Custom IP message to Windows server. (with Internet/Wi-Fi option)
3. Email or text message (requires your own SMTP server)

Voice messages:

The voice message by telephone consists of identification field with name and address and description field of the following:

1. Burglary
2. Excessive sound
3. Panic/Medical
4. Temperature (with optional temperature and humidity features)
5. Humidity
6. Test

Voices may be recorded and played using app.

Built-in microphone and speaker: Microphone is used as a sound detector. Speaker is used for siren and warning sound.

LED indicators:
Telephone relay on/off
Power indicator
Arm indicator
Violation indicator

Arming on/off switch

Power on/off switch

RS232 connector: 115200 baud

Panic Button: mounted on panel

Audio Speaker: mounted on panel

Weight: 1 LBS

Power input: 12vdc via provided 117VAC/12VDC power adapter

Size: 5”x6”x2.5”

Options:

1. Temperature and humidity measurement
   Data is transmitted to an IP server consisted by your PC and provided Windows app continuously. And alarm signals are produced if their data are violated against high and low of temperature and humidity thresholds.
2. Internet and Wi-Fi

3. Contact-ID alarm receiver for any alarm panel including other CP200.

Made in U.S.A.

SECTION3

PROGRAMMING

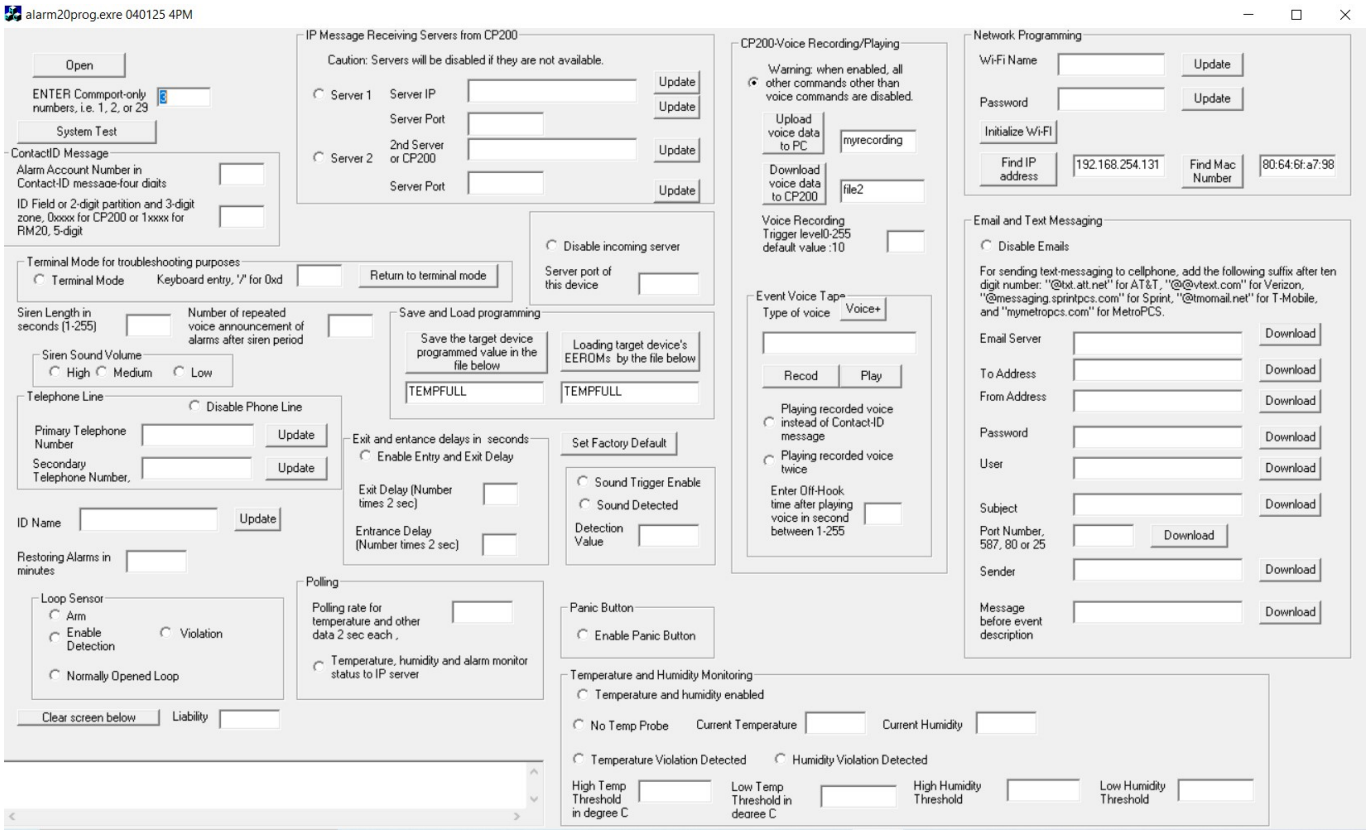
3.1 App “alarm20prog.exe”

Turn on power of CP200. Connect RS232 cable or USB/RS232 adapter to PC and CP200. Find comport designation of the communication port in Windows.

Run alarm20prog.
Enter the communication port number in the edit window on the upper left corner.
Click the button, “OPEN”.
After about five seconds, most of edit window on the screen will be filled.

Warning: App “alarm20prog.exe must be exited for alarm panel operation and the green power LED must be flashing. When the app is opened, CP200 does not run the normal alarm panel operations.

The screen shot of Alarm20prog is shown below:

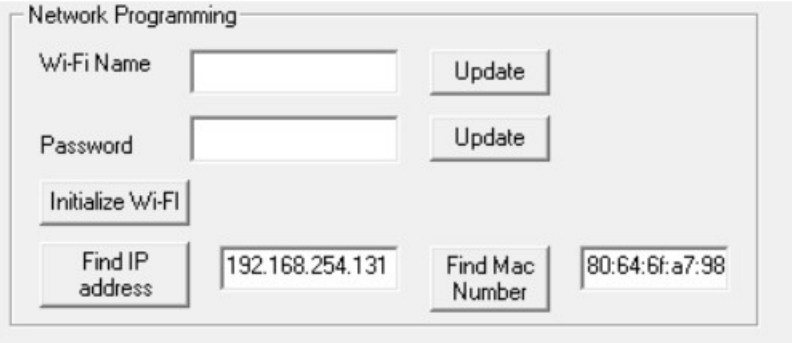


3.2 Network Programming
This section may be skipped if your CP200 is not equipped Wi-Fi option.

3.2.1 Set-up Wi-Fi

On the upper right-hand corner, enter Wi-Fi Name. Then click the button next to the edit window.
Enter Password below Wi-Fi Name. Then click the button next to the edit window.

Click ‘Initialize” button.



3.2.2 Dynamic IP address

A dynamic IP address is assigned by your Internet router. For obtaining full capability of CP200 with Wi-Fi option, dynamic IP address must be obtained.

3.2.3 Finding IP address for CP200

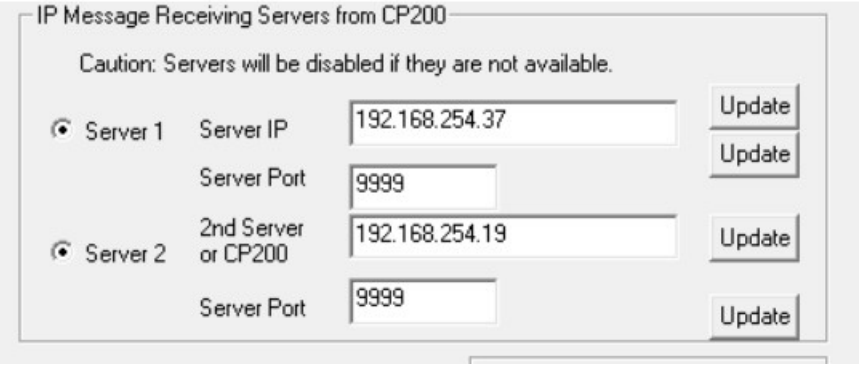
Click the button :”Find IP address”.

3.2.4 Finding MAC Number for CP200

Click the button :”Find MAC Number”.

3.3 Alarm Message Receiving Server Ports programming

CP200 can transmit IP message to Windows 10 servers, Server 1 and Server 2, which IP address and IP port are programmed as follows:



3.3.1 Server 1 and Server 2 IP address and port of app “Alarm20IPserver.exe” in Windows type PC

Enter IP address of your PC, which you will be able to obtain from your Internet router, in an edit window and click “download” button.

Enter port address which you will select like “9999” and click download.

Repeat the above procedure for Server 2.

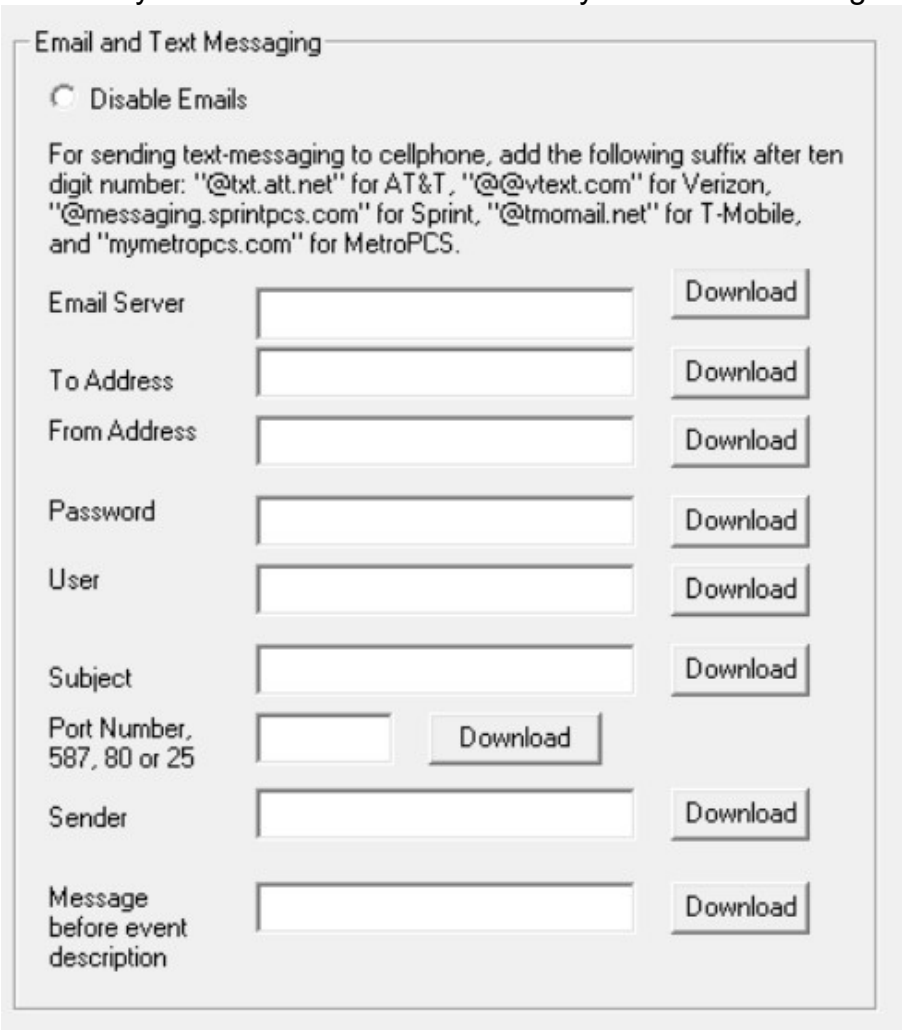
3.3.2 Enable Server1 and Server 2 by radio buttons, Server 1 and Server 2

Enable each radio button turn or turnoff for enabling or disabling IP message sending to Server 1 or Server 2.

3.4 Email programming

To enable or disable email/text message sending alarm messages, radio button “Disable Emails” must be off. And the following smtp server information is required in edit windows and downloaded into CP200.

3.4.1 Email Server (SMTP Server)
Most likely email server is obtained from your domain hosting service.



3.4.2 To Address

For sending text-messaging to cellphone, add the following suffix after ten digit number: "@txt.att.net" for AT&&T, "@@vtext.com" for Verizon, "@messaging.sprintpcs.com" for Sprint, "@tmomail.net" for T-Mobile, and "mymetropcs.com" for MetroPCS.

3.4.3 From Address
It is your email address from your domain hosting service.

3.4.4 Password

Same password from your email address

3.4.5 User
Another email address or the same address as “From Address”

3.4.6 Subject

3.4.7 Port Number

3.4.8 Sender
Your name <your email address> or blank space

3.4.9 Message before event description

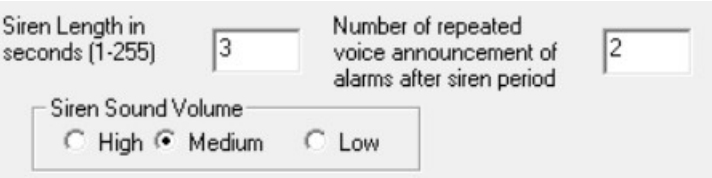
A short alarm message or blank which may be inserted before alarm messages that are prepared by CP200.

3.5 Incoming Server

CP200 may be able to receive IP messages from PC client or other CP200 when a radio button “Disable Incoming Server” is not enabled.

When another CP200 is sending an IP message to a CP200, receiving CP200 will send alarm messages via telephone and siren sounds.

3.6 Siren



3.6.1 Siren Sound Length

Enter a number of siren sound length between 1 and 255. Siren is always generated after alarms and system tests.

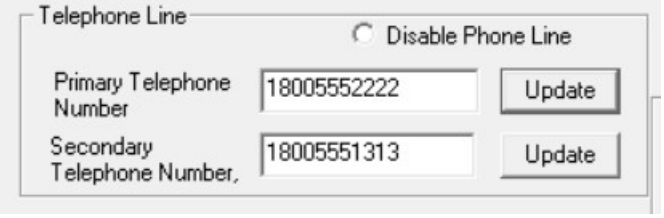
3.6.2 Siren Sound Volume

There are three volume controls among high, medium and low sounds.

3.6.3 Number of Voice Announcement of Alarm Conditions

Voice announcement of alarms conditions starts after end of siren period for a number of times programmed in an edit window. The voice announcement is the same one that you recorded.

3.7 Telephone numbers



There are primary and secondary telephone numbers. If there is a problem dialing or sending alarm or voice messages, CP200 dials the secondary telephone numbers. After inputting each telephone numbers, click the “Download” button for primary or secondary telephone numbers.

3.7.1 Disable telephone line
If the “Disable Telephone line” radio button is on, there is no dialing and sending messages over telephone line.

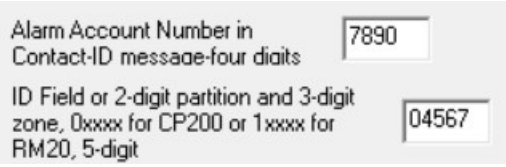
3.8 Contact-ID, Digital Alarm Message

4-digit account number and 5-digit account number need to be programmed.

CP200 transmits Contact-ID messages as a default condition. The Contact-ID messages are the most popular alarm message standard which employs simple DTMF signaling method with fifteen digit and checksum digit DTMF signal of 50 milliseconds on and 50 milliseconds off timing.
The Contact-ID message consists of 4-digit account number, event, partition, and zone. Account number and 5-digit number are programmable, i.e. account number 1234 and 5-digit 02578 where the first digit in 5-digit number field must be 0 for model CP200.

If there is a dialing or message transmission problem with telephone number 1, hang up the line and dialing the second telephone number for transmitting the Contact-ID message.

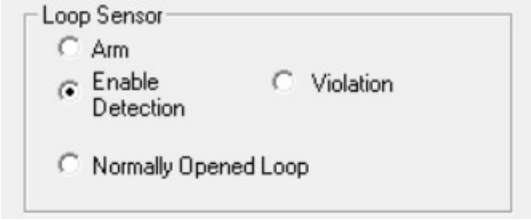
If you do not have access to alarm central station, there is a low-cost alarm receiver model CT10 is available from Micro Seven, Inc. Then you can set up for your own alarm monitoring service without any contract from nobody.



3.9 Loop Sensor with ARM, Loop sensor Enable/Disable, Loop detection method and Violation

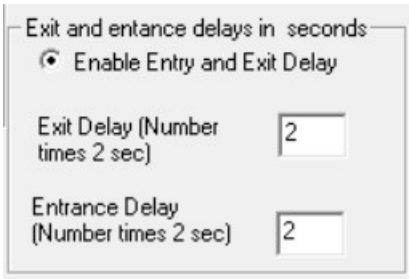
Loop sensor wires are connected at the screw terminals 1 and 2. As a factory default, it is set for Normally Opened Loop.

Loop sensor controls are ARM, Enable Detection, and Loop detection method of Normally Opened/Normally Closed.



Violation indicates any violation condition of loop, sound, temperature and humidity.

3.10 Exit and Entrance Delay

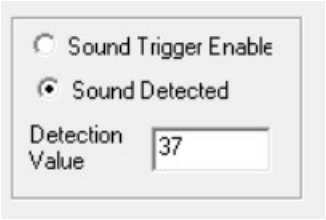


The exit delay is the time you need to exit your premise after arming CP200 without setting alarm condition. The time may be 30-60 seconds.

The entrance delay is time you need not to setting alarm condition when you reenter your premise. The time may also be 30-60 seconds.

3.11 Sound Triggering alarm

Sound Trigger Enable must be on and Armed condition need to cause Excessive sound triggering alarm. The sound detection level may be adjusted for your application between 1-255. Smaller number is more sensitive.



The violation red LED shows triggered state.

3.12 Panic Button

The Panic Button is located on the upper section of the CP200, and it needs to be enabled.

3.13 Factory Default

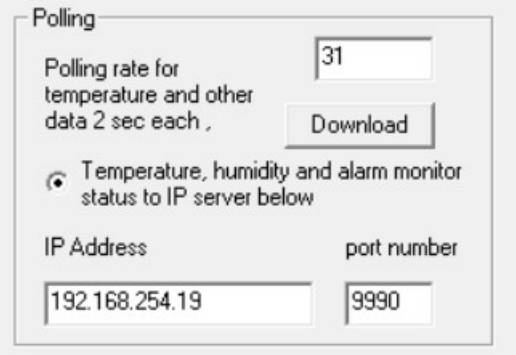
Warning: CP200 is restored with the factory condition. Wi-Fi setup will not be changed.

3.14 Alarm restore period

Alarm setting condition is restored after the Alarm restore period. Enter number of minutes for the alarm restore period.

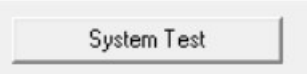
3,15 Polling of temperature and humidity data to PC server1

Temperature and humidity data is sent to a PC server at a rate that is programmed if it is enabled. The PC server may be the same one for the alarm message or another one.

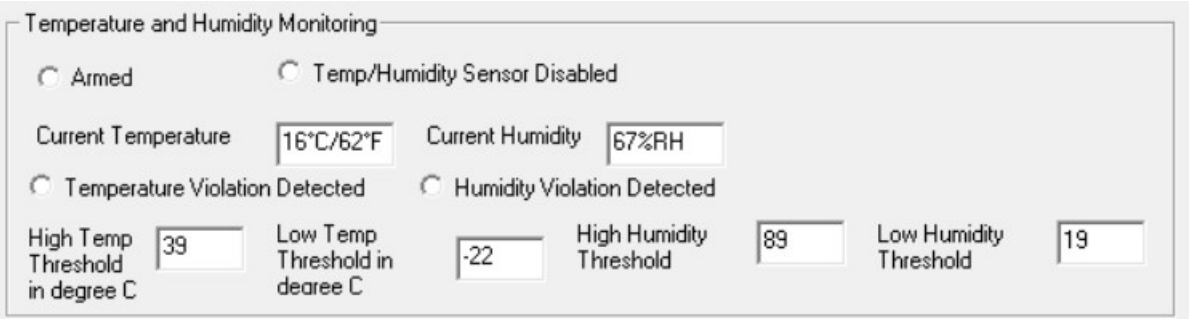


3.16 System test

System test is started for sending IP messages to PC servers, sending email/text messages, telephone dialing/sending Contact-ID messages or voice messages, siren sound and voiced “Test messages”.



3.17 Temperature and Humidity



Current temperature and humidity are read and tested for high and low temperature and high and low relative humidity if it is not disabled in the “Temp/Humidity Sensor Disabled”.
And there is a dedicated “Armed” condition for Temperature and humidity detection. If it is armed, any temperature or humidity violation will result in alarm condition.
If temperature and humidity sensor become defective, the radio button “Temp/Humidity Sensor Disabled” will be automatically on.

3.18 Voice recording and playing

Your own voice for alarm messages and identification messages of your name and address are recorded.

Type of voice is selected by clicking :Voice+ sign:
Click Record for recording the following condition in your own voice:

1. Your name and address for eight second duration for inserting in the first part of telephone voice messaging if voice delivery is selected instead of Contact-ID.
2. “Emergency-Loop sensor is broken” for five seconds
3. “Emergency-Sound Triggered” for five seconds

4. “Emergency-Temperature Problem” for five seconds
5. “Testing” for five seconds
6. “Panic Emergency” for five seconds
7. “Emergency Humidity Problem” for five seconds

Sending voice file on telephone line instead of sending digital Contact-ID message may be selected. Sending voice file is available dialing the primary telephone number.

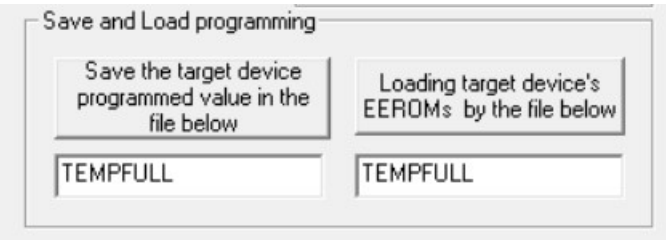
Caution: if the primary telephone number is not available or in busy condition, there will be no dialing the secondary telephone number and sending voice file.

After sending voice file, the telephone circuit may be programmed to stay in off-hook condition.

How to record your voice:

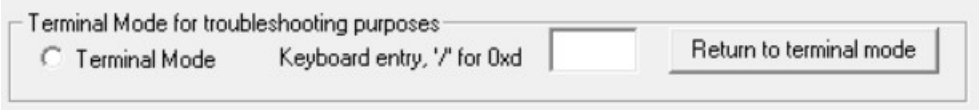
1. Open the app if it is not opened.
2. Disarm
3. Disable “Sound Trigger Enable”
4. Select “Name and Address”
5. Push “Record” button
6. Wait to see the Power indicator (green LED) flashing fast few times and “Violation LED” tuned on. You have five seconds for starting recording.
7. Find microphone area on CP200 and speak for seven seconds. At the end of seven seconds after starting recording, “Violation LED” is turned off for end of recording period.
8. Push “Play” for hearing your recorded voice. If not good recording, go back to procedure (5) to recording session again.
9. If satisfied with your recording, push “Voice+” button for next recording.
10. Continue next recording for “Loop Sensor is broken” for five seconds long recording.
11. Continue for recording “Sound Triggered”,
12. Continue for recording “Temperature problem”.
13. Continue for recording “Testing”.
14. Continue for recording “Panic”.
15. Continue for recording “Humidity problem”.
16. Save your recording by entering file name of your recording and push “Upload voice data to PC”. Wait the uploading complete message in the lower left hand window. That is the end.

3.19 Save and Load



Programmed value may be saved and loaded.

3.20 Terminal mode



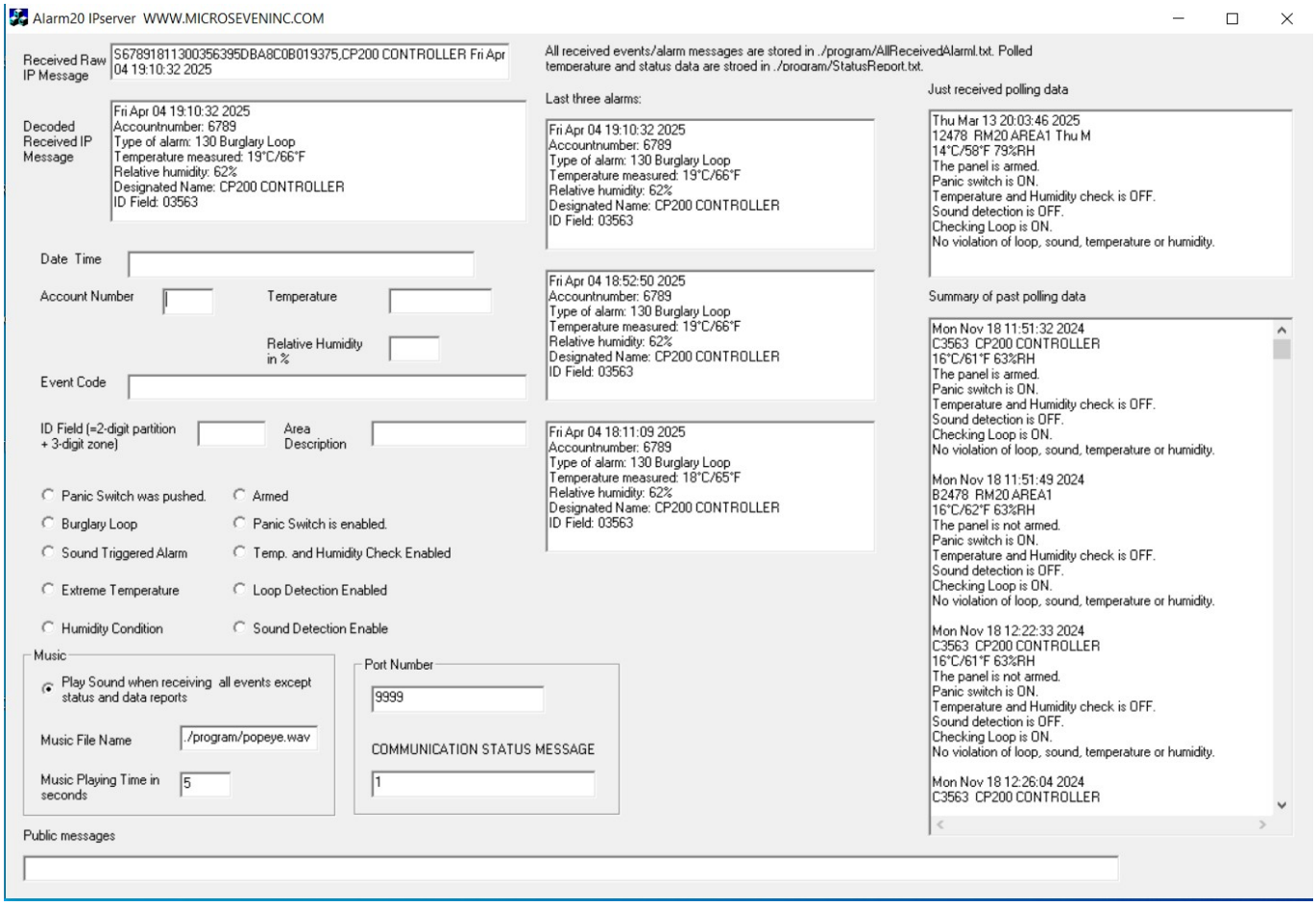
This area is used for Micro Seven service.

SECTION 4

Alarm20 server for PC

The screen shot of IP server, Alarm20IPserver.exe,is shown below.

Enter a port number in the edit window. The IP address and port number should match with the Server1 or Server 2 in the IP Message Receiving Servers from CP200 in the alarm20prog.exe.



After Alarm20IPserver.exe is opened, the server waits incoming socket connection for the port number, i.e. 9999.

CP200 is trying to open a socket with this server.

The server finds incoming socket connection request from CP200.

The server makes a connection with a socket.

Sending a greeting transmission to CP200.

CP200 sends a data string of Contact-ID messages and other status data.

The server receives the data string.

The server keeps socket connection with CP200 until CP200 closes the socket or after a long time without actions.

Here is the data string format from CP200:

S (16-digit Contact-ID message)
(one byte hex temperature high value)
(one byte hex temperature low value)
(one byte hex humidity high value)
(one byte hex humidity low value)
(one byte hex of sensor status)
(one byte hex of RM20control)
(one byte hex of rccontrol2)
,
(ID Name from the Alarm20prog.exe)
<0XD>

The detail information of the temperature, humidity, and other register information is confidential.

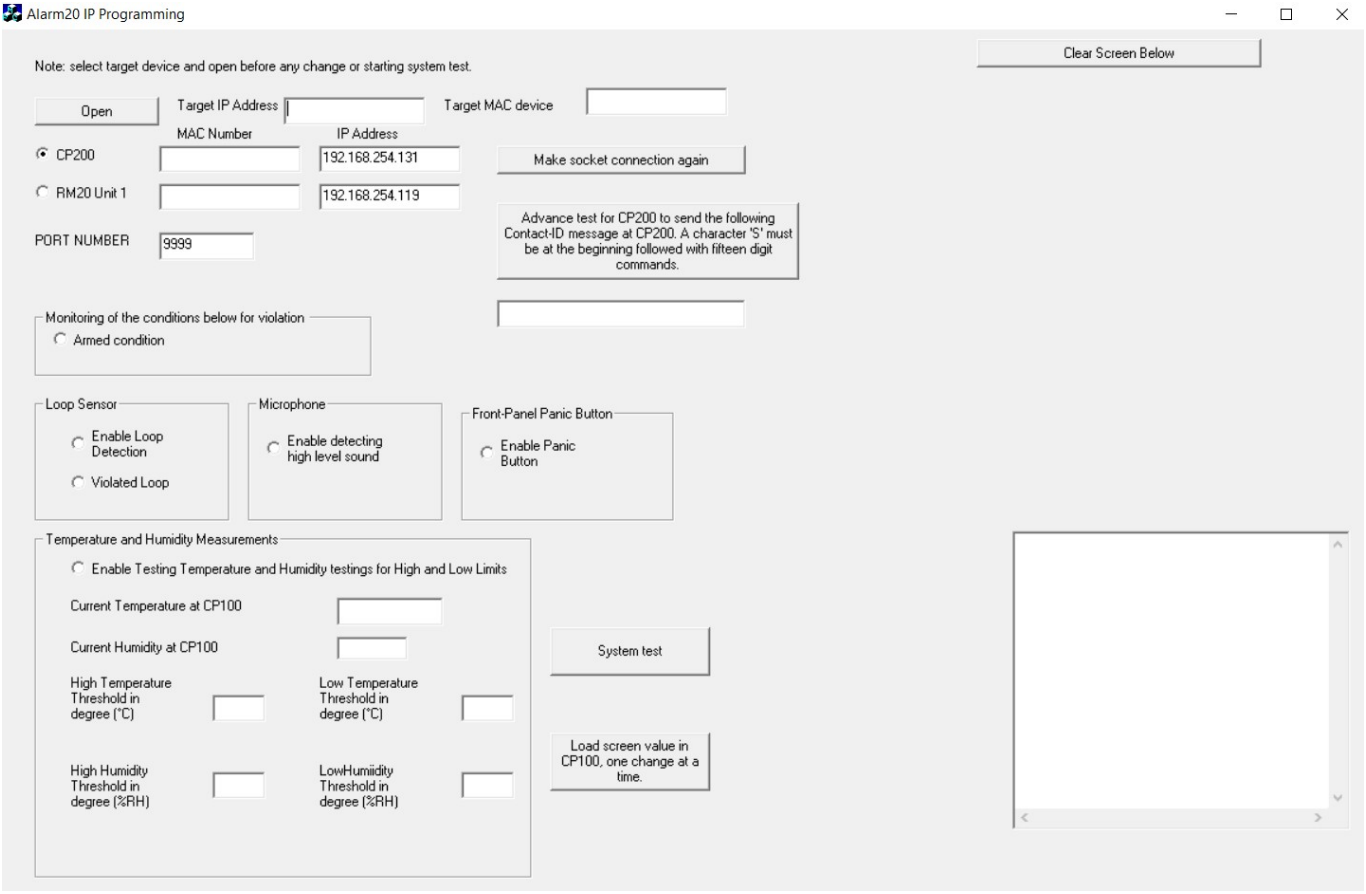
If temperature/humidity polling is enabled in the Alarm20prog.exe, the event code in the Contact-ID message is “900”.

SECTION 5

Alarm20IPprogram App

The screen shot of IP server, Alarm20IPprogram is shown below:
This app is for reading status and programmed value without RS232 interface by IP server function inside CP200. However, this app does not contains all programming function that is available in the CP200program.exe.

Enter IP address and port number of CP200 and pushing “Open” button.
Then Armed condition, Enabling Loop Detection, Enabling detecting high level sound, Enabling temperature and humidity sensors, temperature and humidity reading, temperature thresholds for high and low temperature, humidity thresholds for high and low humidity are shown.
System test may be started for CP200.



After receiving data from CP200, socket connection is maintained for starting system test, changing programming values, and starting telephone operation in CP200 for sending Contact-ID.

Here is the sequence for CP200 server:

1. PC-client program opens IP address and port of CP200.
2. CP200 replies sending NOENCR”<0Xd>.
3. PC-client sends “D”<0xd>.

4. CP200 sends 17 hexadecimal data.
5. PC-client and CP200 will keep the socket.
6. PC may send contact-ID messages to CP200 starting S and sixteen ASCII character.
   i.e. S1234181131010158<0xd>
7. Or new programming value.
8. Close sockets or close app to end socket connection.

SECTION 6

FIRST-TIME OPERATION

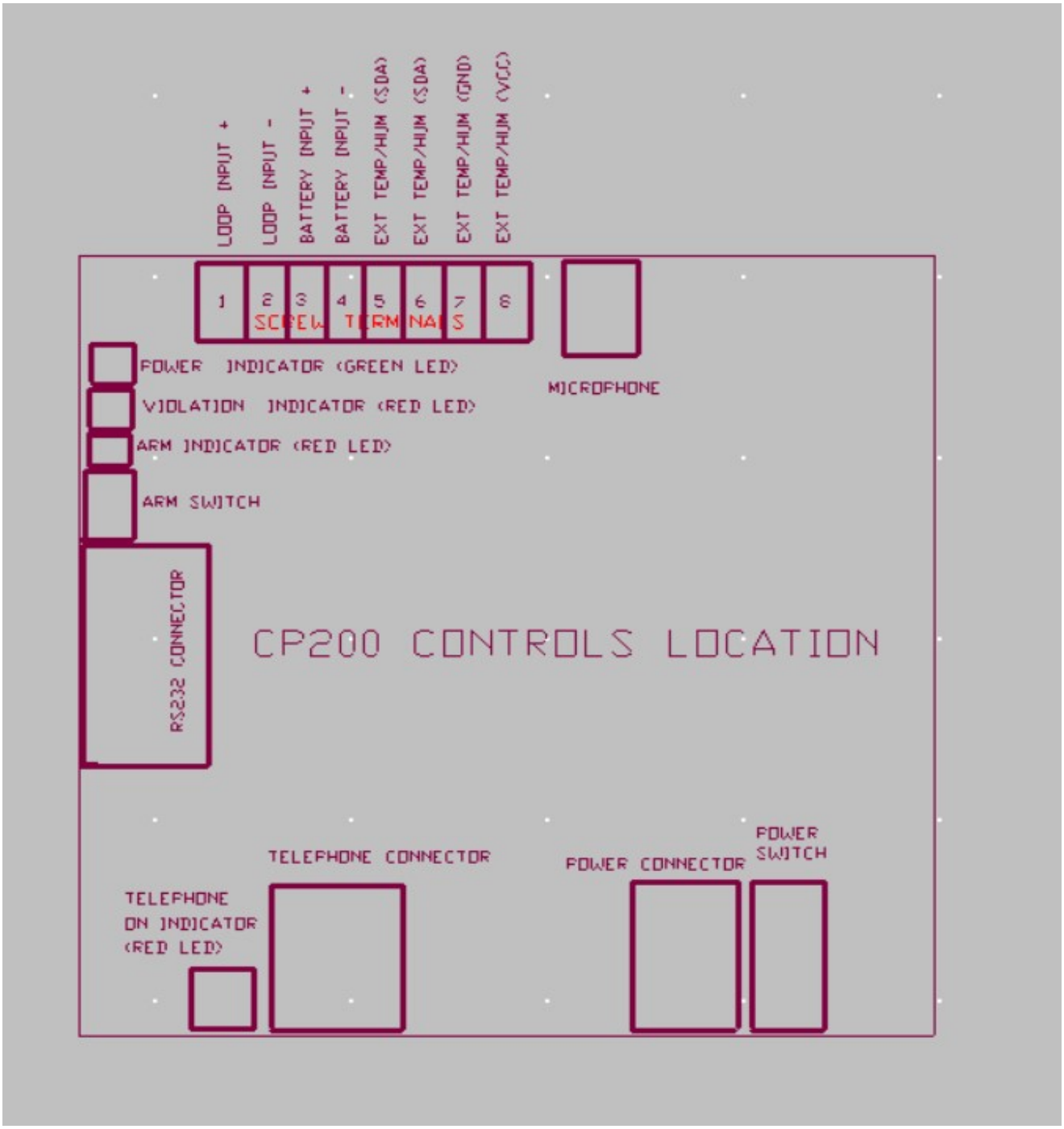


Figure 6 CP200 Controls Location

6.1 Burglary loop

Note: This first-time operation requires for CP200 as a factory-default condition.

1. Connect AC/DC power input module at the power connector.
2. Power switch off

3. Connect loop inputs at the Screw Terminal 1 and 2 in the Figure 6 CP200 Controls Location
4. Connect phone line to the telephone connector
5. Power switch ON.
6. Check power indicator is turned on.
7. Connect RS232 cable or USB/RS232 adapter to PC and CP200. Find comport designation of the communication port in Windows “Device Manager”.
8. Run “alarm20prog.exe” and start.
9. Enter the communication port number in the edit window on the upper left corner.
10. Click the button, “OPEN”.
11. Most of edit window on the screen will be filled within five seconds.
12. Check the following factory-default conditions in the screen of “alarm20prog.exe” as the following:
    Burglary loop: Normally opened
    Loop detection is enabled.
    Non-armed condition
    Sound detection is disabled.
    Email is disabled.
    All IP transmission is disabled.
    Phone-line reporting is done for transmission of Contact-ID instead of playing voice recording.

13. Enter primary telephone number for central station or other CP200 with alarm receiver option
14. Push Download button.
15. Enter secondary telephone number for central station or other CP200 with alarm receiver.
16. Exit “alarm20prog.exe”.
17. Push arm switch
18. Armed LED is on and hearing pre-alarm 1400 Hz tone.
19. Wait till sound is off.
20. Short the burglary loop for few seconds. Violation LED is on.
21. Sound comes back on with entry pre-alarm 1400 Hz.
22. Dialing sound is heard.
23. Contact-ID handshake tone is heard.
24. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 130, Burglary.
25. Kiss-off tone is heard.
26. CP200 hangs up the phone line.
27. Siren is heard.
28. After siren ends, voice announcement of alarm condition is heard twice.
29. Alarm restoring period starts.
30. When alarm restoring period ends, Violation LED is off.
31. END.

6. 2 Sound Detection Operation

1. Open “alarm20prog.exe”, and start.
2. Push the Arm Switch for Non Armed condition. See the Arm LED is turned off.
3. Read the section “ 3.11 Sound Triggering Alarm” to be familiar with the trigger level.
4. Push the radio button “Sound Trigger Enable”. There is no need to exit the app.
5. Shout “Hello” or “Hi” near CP200

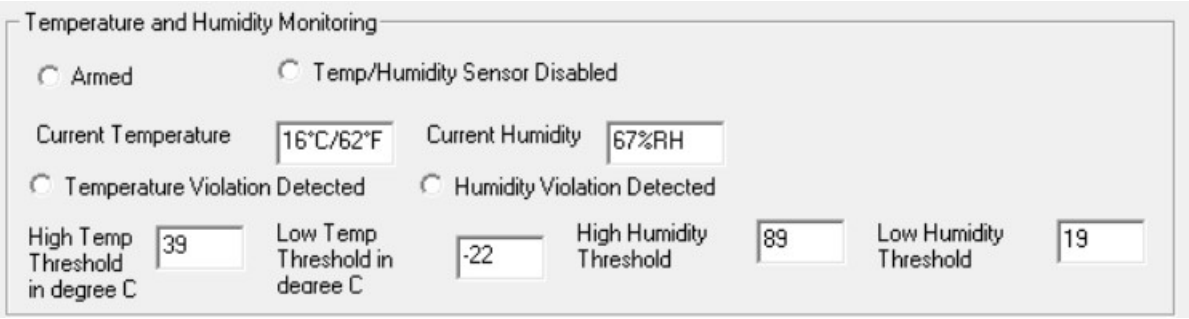
6. Notice the Violation LED may be turned on. If it does not turn on even though you sounded louder, adjust trigger level by entering smaller number between 1-255. The factory default is decimal 37.
7. Push arm switch. Be quiet so that it does not trigger the sound detection.
8. Armed LED is on and hearing pre-alarm 1400 Hz tone.
9. Wait till sound is off.
10. Shout “Hello” or “Hi” near CP200. Violation LED is on
11. Sound comes back on with entry pre-alarm 1400 Hz.
12. Dialing sound is heard.
13. Contact-ID handshake tone is heard.
14. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 132, Burglary Interior.
15. Kiss-off tone is heard.
16. CP200 hangs up the phone line.
17. Siren is heard.
18. After siren ends, voice announcement of alarm condition like “Sound Triggered” is heard twice.
19. Alarm restoring period starts.
20. When alarm restoring period ends, Violation LED is off.
21. Push the radio button “Sound Trigger Enable” to disable sound detection.

6.3 Panic Button

The Panic Button is always enabled with or without Armed condition. The red-colored Panic Switch is located on the cover of CP200.

1. Open “alarm20prog.exe”.
2. Read “3.12 Panic Button” section of Programming.
3. Check a radio button Enable Panic Button is on. If not, push the radio button.
4. Sound comes back on with entry pre-alarm 1400 Hz.
5. Dialing sound is heard.
6. Contact-ID handshake tone is heard.
7. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 120, Panic Alarm.
8. Kiss-off tone is heard.
9. CP200 hangs up the phone line.
10. Siren is heard.
11. After siren ends, voice announcement of alarm condition like “Panic Mode” is heard twice.

6.4 Temperature and Humidity monitor



6.4.1 High temperature monitor and violation check

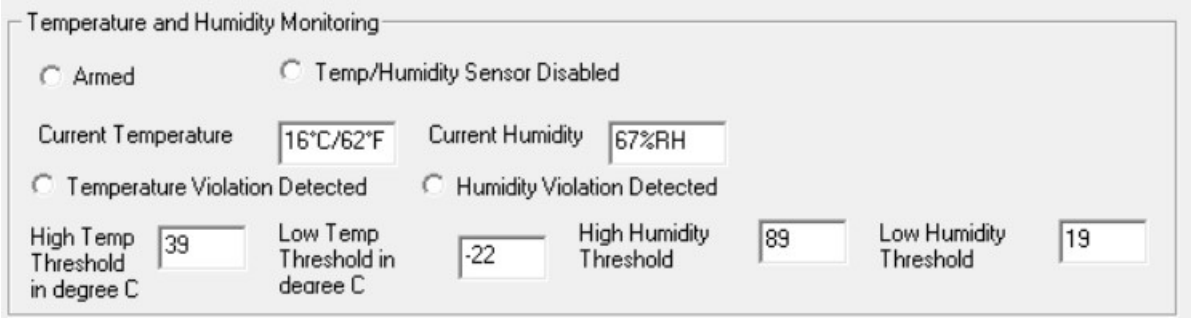
1. Read “3.17 Temperature and Humidity section of Programming.
2. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
3. See the current temperature 16 degree C. Here setting “High Temperature Alarm” artificial setup for 10 degree C high temperature threshold
4. See the Violation LED in the Loop Sensor is on.
5. Make sure telephone is set up for dialing.
6. Click the radio button “Armed” in Temperature and Humidity monitor.
7. Dialing sound is heard.
8. Contact-ID handshake tone is heard.
9. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 158, High Temp.
10. Kiss-off tone is heard.
11. CP200 hangs up the phone line.
12. Siren is heard.
13. After siren ends, voice announcement of alarm condition like “Temperature Problem” is heard twice.
14. Click the radio button “Armed” for disarming.
15. Set the High Temp Threshold for 39.
16. Exit the app.

6.4.2 Low temperature monitor and violation check

1. If the last 6.4.1 high temperature monitor and violation check was completed, skip to 3. Otherwise, read “3.17 Temperature and Humidity section of Programming.
2. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
3. See the current temperature 16 degree C. Here setting “Low Temperature Alarm” artificial setup by 25 degree C in the low temperature threshold.
4. See the Violation LED in the Loop Sensor is on.
5. Make sure telephone is set up.
6. Click the radio button “Armed” in Temperature and Humidity monitor.
7. Dialing sound is heard.
8. Contact-ID handshake tone is heard.
9. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 159, High Temp.
10. Kiss-off tone is heard.
11. CP200 hangs up the phone line.
12. Siren is heard.
13. After siren ends, voice announcement of alarm condition like “Temperature Problem” is heard twice.

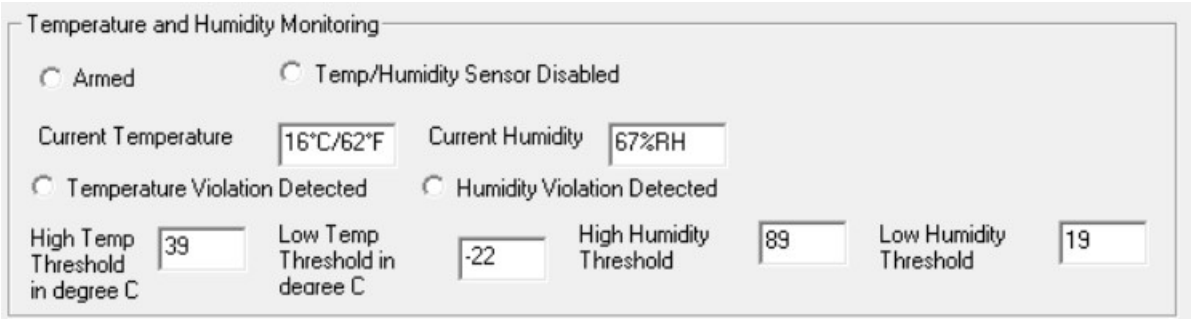
14. Set the Low Temperature Threshold back to -22 degree C. And click the radio button “Armed” in Temperature and Humidity monitor to turn off armed condition.
15. Exit the app.

6.4.3 High humidity monitor and violation check



1. If the last 6.4.2 low temperature monitor and violation check was accomplished, skip to 3.
2. Read “3.17 Temperature and Humidity section of Programming.
3. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
4. See the current humidity 67%. Here setting “High Humidity Alarm” artificial setup for 50 %.
5. See the Violation LED in the Loop Sensor is on.
6. Make sure telephone is set up for dialing.
7. Click the radio button “Armed” in Temperature and Humidity monitor.
8. Dialing sound is heard.
9. Contact-ID handshake tone is heard.
10. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 164, High Humidity.
11. Kiss-off tone is heard.
12. CP200 hangs up the phone line.
13. Siren is heard.
14. After siren ends, voice announcement of alarm condition like “Humidity Problem” is heard twice.
15. Click the radio button “Armed” for disarming.
16. Set the High Humidity Threshold for 89.
17. Exit the app.

6.4.4 Low humidity monitor and violation check



1. If the last 6.4.3 High Humidity monitor and violation check was accomplished, skip to 3.
2. Read “3.17 Temperature and Humidity section of Programming.
3. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
4. See the current humidity 67%. Here setting “High Humidity Alarm” artificial setup for 80%.

5. See the Violation LED in the Loop Sensor is on.
6. Make sure telephone is set up for dialing.
7. Click the radio button “Armed” in Temperature and Humidity monitor.
8. Dialing sound is heard.
9. Contact-ID handshake tone is heard.
10. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 165, Low Humidity.
11. Kiss-off tone is heard.
12. CP200 hangs up the phone line.
13. Siren is heard.
14. After siren ends, voice announcement of alarm condition like “Humidity Problem” is heard twice.
15. Click the radio button “Armed” for disarming.
16. Set the Low Humidity Threshold for 19.
17. Exit the app.

6.4.5 Panic Button check

Panic alarm is created by pushing Panic Button on top of CP200. Alarms are created with or without armed.

1. Read “3.12 Panic Button” section of Programming.
2. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
3. Check Enable Panic Button is on; otherwise, click the radio button,
4. Make sure telephone is set up for dialing.
5. Click the Panic button on top of CP200.
6. Dialing sound is heard.
7. Contact-ID handshake tone is heard.
8. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 120, Panic Alarm.
9. Kiss-off tone is heard.
10. CP200 hangs up the phone line.
11. Siren is heard.
12. After siren ends, voice announcement of alarm condition like “Panic Mode” is heard twice.
13. Exit the app.

6.4.6 System Test Check

6.4.6.1 System Test for telephone dialing and transmitting digital alarm message of Contact-ID.

1. Read “3.16 System Test” section of Programming.
2. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.

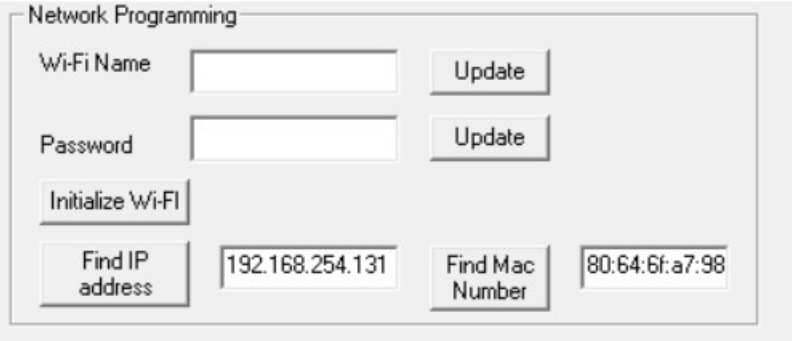
3. Make sure telephone is set up for dialing.
4. Push the System Test Button of the upper left corner of the app.
5. Dialing sound is heard.
6. Contact-ID handshake tone is heard.
7. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 601, Manual Trigger Test.
8. Kiss-off tone is heard.
9. CP200 hangs up the phone line.
10. Siren is heard.
11. After siren ends, voice announcement of alarm condition like “Testing” is heard twice.
12. Exit the app.

6.5 Wi-Fi and Internet programming

This section 6.5 is only applicable if Wi-Fi/Internet option is equipped in CP200.

6.5.1 setting up Wi-Fi

Complete programming of 3.2.1 Set-up Wi-Fi



6.5.2 Alarm Message Receiving Server Ports programming

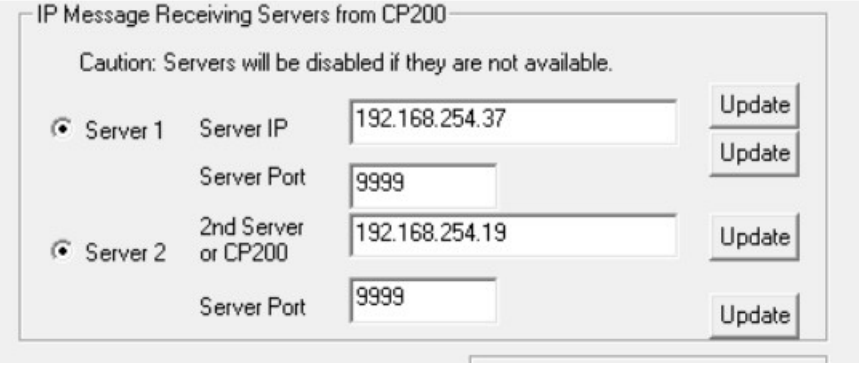


Figure 6.5.2 Example of setting up two servers for two PCs, IP address 192.168.254.37 with port 9999 and IP address 192.168.254.19 with port 9999

Complete 3.3.1 Server 1 and Server 2 IP address and port of app “Alarm20IPserver.exe” in Windows type PC

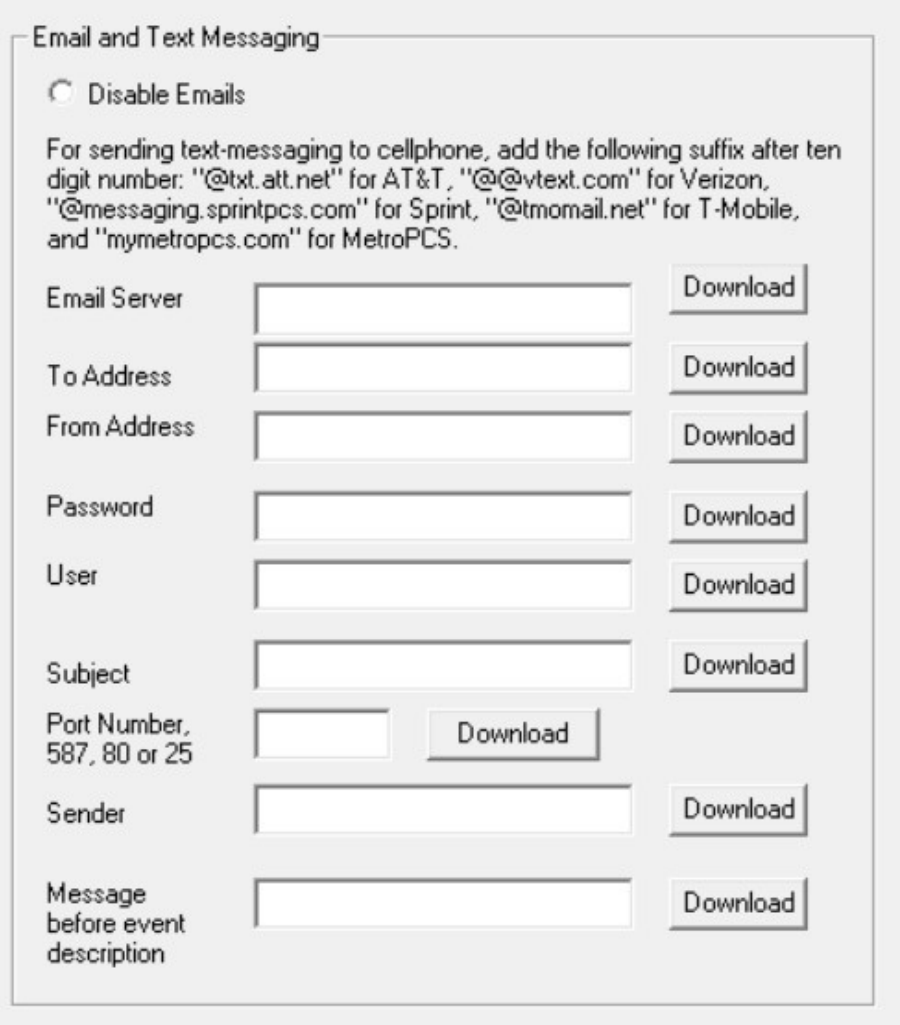
Complete 3.3.2 Enable Server1 and Server 2 by radio buttons, Server 1 and Server 2

Enable each radio button turn or turnoff for enabling or disabling IP message sending to Server 1 or Server 2.

6.5.3 setting up email parameter

Complete 3.4 Email programming

To enable or disable email/text message sending alarm messages, radio button “Disable Emails” must be off.



6.5.4 Setting up PC server

Read Section 4, Alarm20server, app for Windows PC. Enter the same port number as port number in 6.5.2 Alarm Message Receiving Server Ports programming.

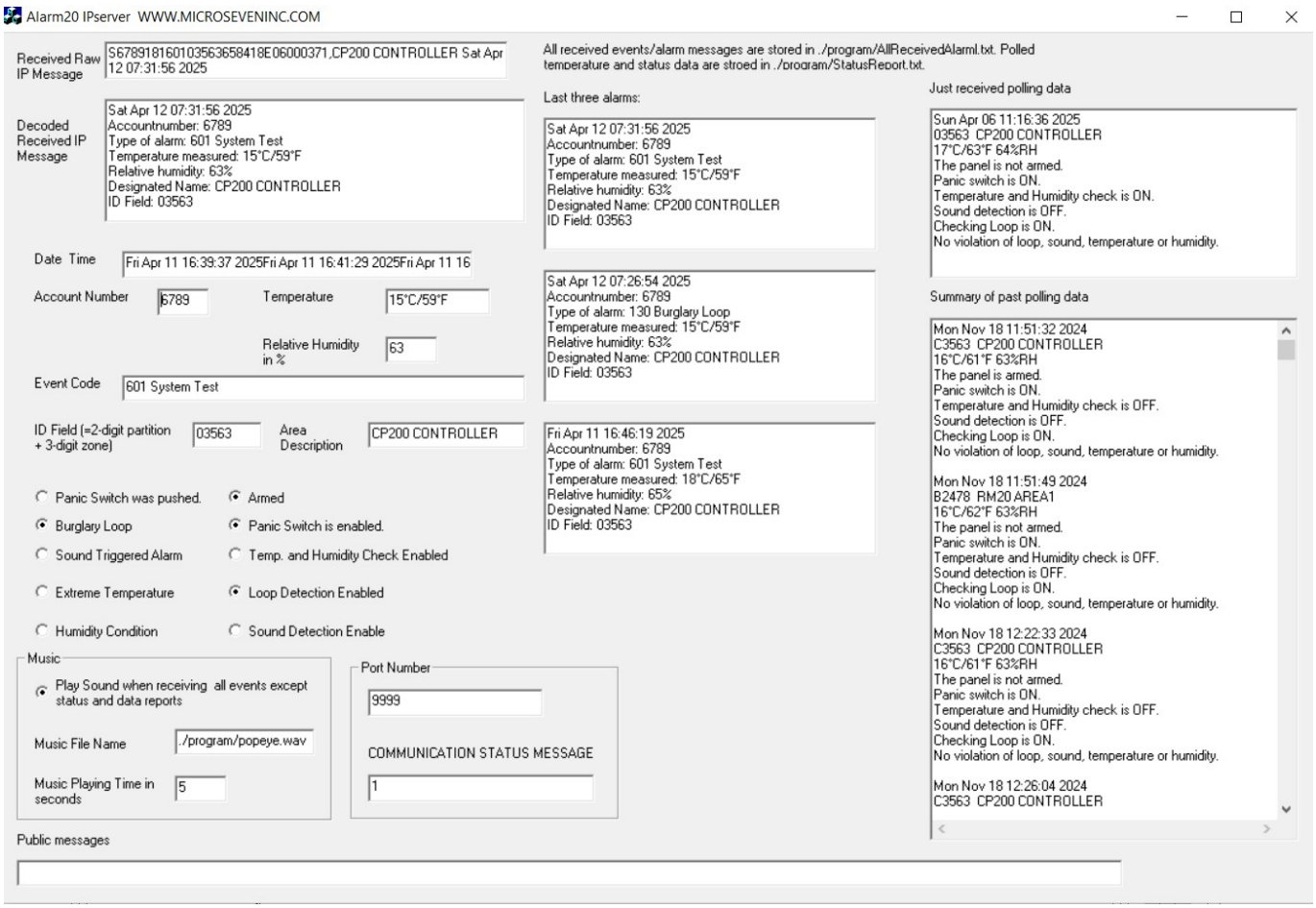
6.5.5 System Test Transmission of IP messages and emails

System Test for telephone dialing and transmitting digital alarm message of Contact-ID.

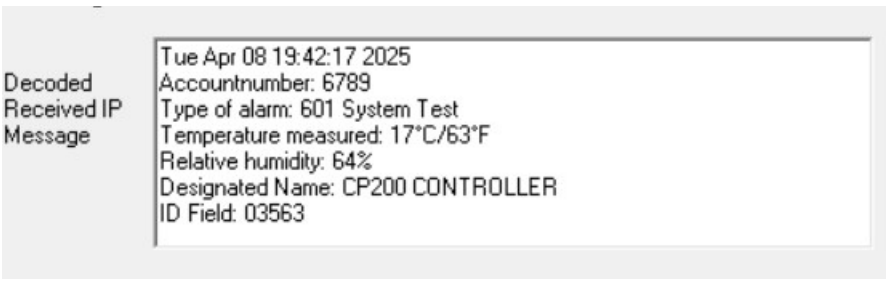
1. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
2. Make sure telephone is set up for dialing.
3. Push the System Test Button of the upper left corner of the app.

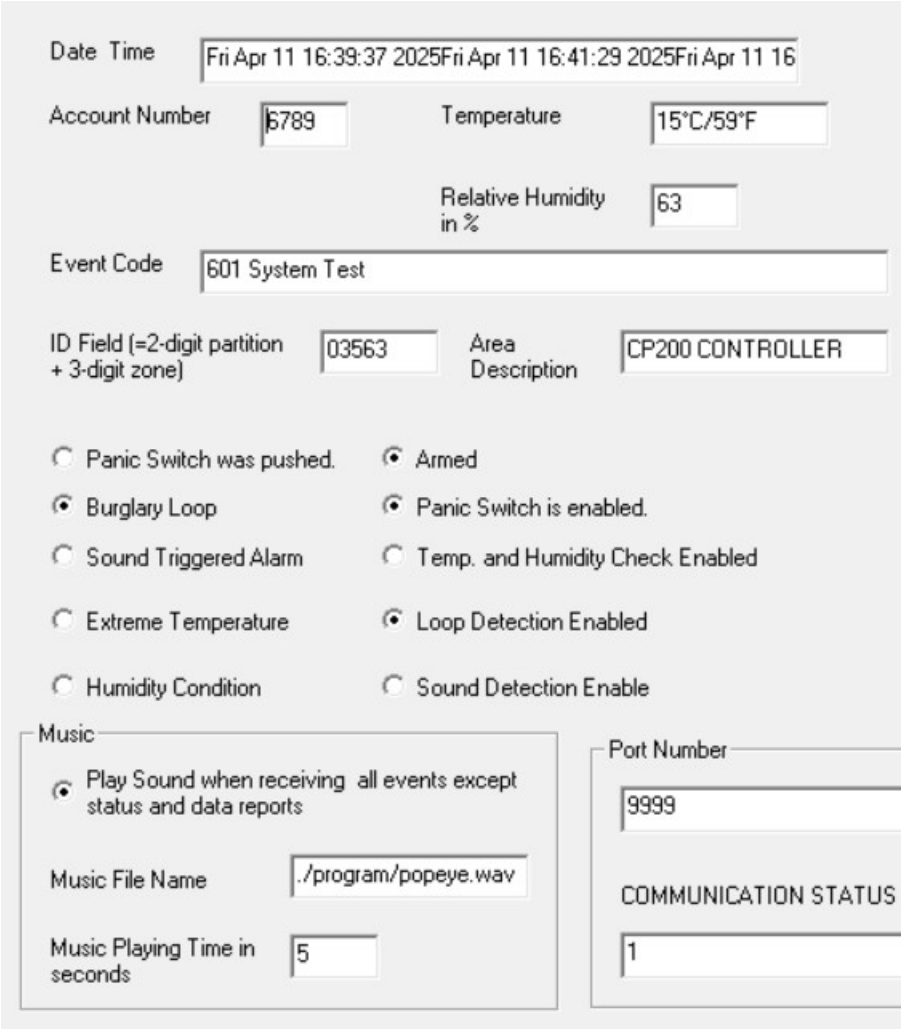
4. IP messages and email is sent.
5. Dialing sound is heard.
6. Contact-ID handshake tone is heard.
7. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 601, Manual Trigger Test.
8. Kiss-off tone is heard.
9. CP200 hangs up the phone line.
10. Siren is heard.
11. After siren ends, voice announcement of alarm condition like “Testing” is heard twice.

Exit the app

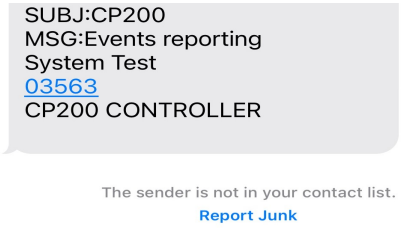


Here are detailed screen shots of incoming decoded alarm messages:

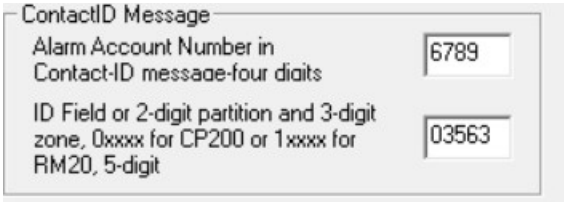




If email or text messaging transmission is enabled, a typical text message is shown below:



The “03565” in the text message above identifies a CP200, and it is the same ID field that is programmed in the Alarm20program.exe. The five digit field is also a zone and partition in a Contact-ID alarm message.



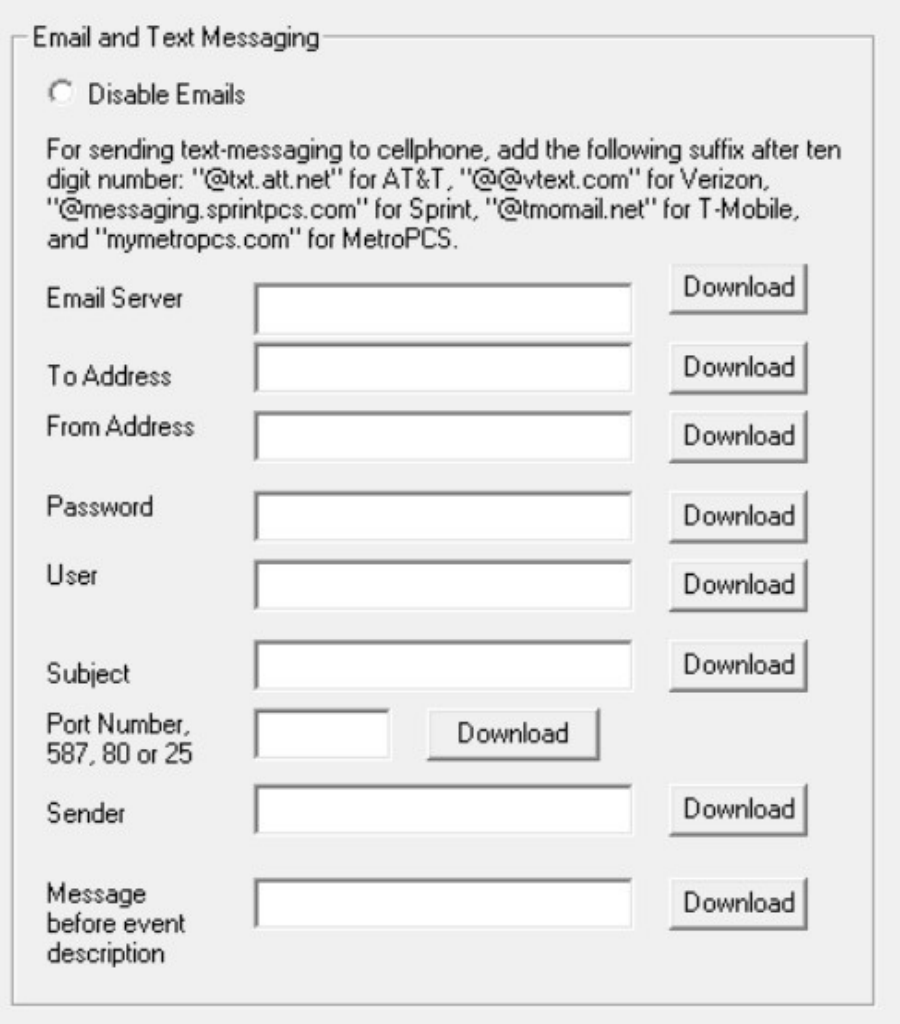
6.1 Burglary loop

6. 2 Sound Detection Operation

6.3 Panic Button

6.4 Temperature and Humidity monito
- 6.4.1 High temperature mnitor and violation check
- 6.4.2 Low temperature monitor and violation check
- 6.4.3 High humidity monitor and violation check
- 6.4.4 Low humidity monitor and violation check
- 6.4.5 Panic Button check
- 6.4.6 System Test Check
- 6.4.6.1 System Test for telephone dialing and transmitting digital alarm message of Contact-ID.

6.5 Wi-Fi and Internet programming
- 6.5.1 setting up Wi-Fi
- 6.5.2 Alarm Message Receiving Server Ports programming
- 6.5.3 setting up email parameter



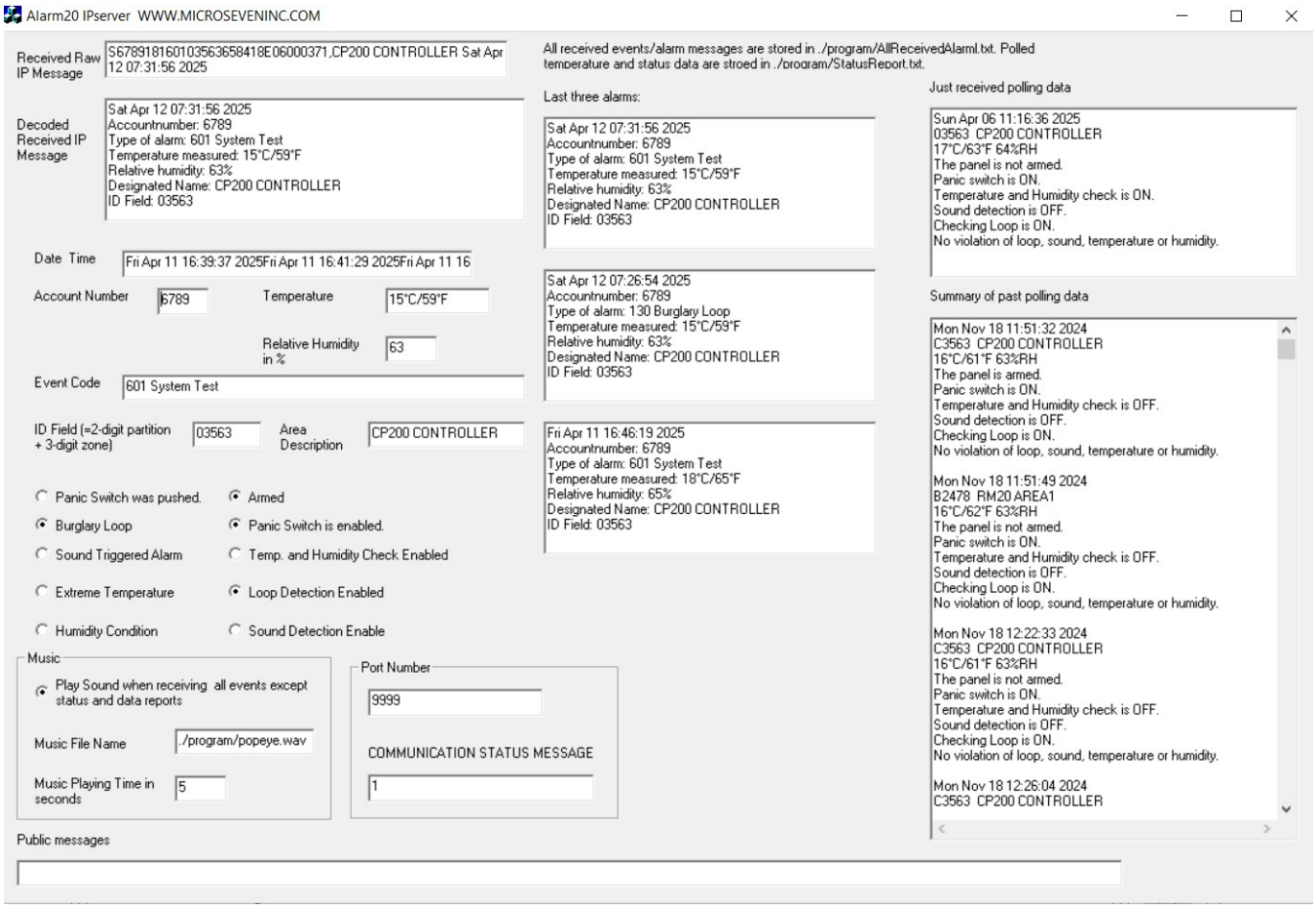
6.5.4 Setting up PC server

Read Section 4, Alarm20server, app for Windows PC. Enter the same port number as port number in 6.5.2 Alarm Message Receiving Server Ports programming.

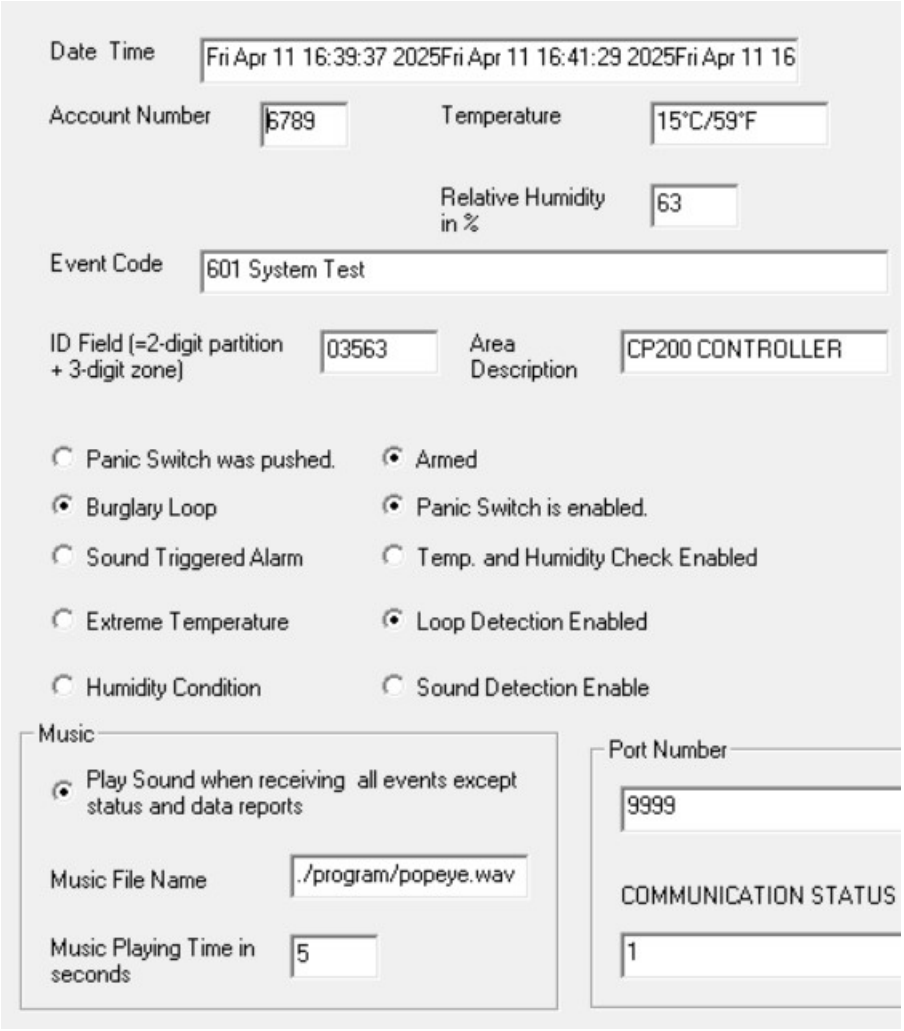
6.5.5 System Test Transmission of IP messages and emails

System Test for telephone dialing and transmitting digital alarm message of Contact-ID.

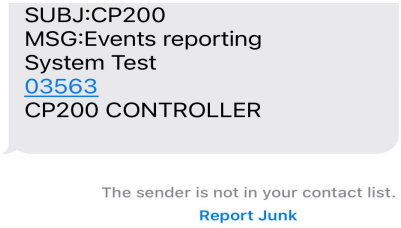
12. Open “alarm20prog.exe” and hit “Start”. Wait few seconds until screen is filled.
13. Make sure telephone is set up for dialing.
14. Push the System Test Button of the upper left corner of the app.
15. IP messages and email is sent.
16. Dialing sound is heard.
17. Contact-ID handshake tone is heard.
18. CP200 is sending sixteen short DTMF tones for Contact-ID with the following event code: 601, Manual Trigger Test.
19. Kiss-off tone is heard.
20. CP200 hangs up the phone line.
21. Siren is heard.
22. After siren ends, voice announcement of alarm condition like “Testing” is heard twice.
23. Exit the app



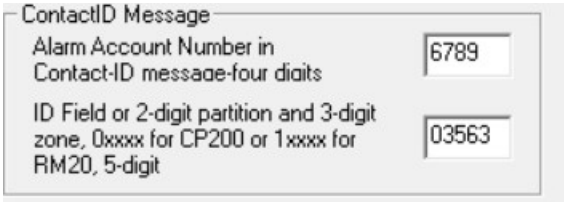
Here are detailed screen shots of incoming decoded alarm messages:



If email or text messaging transmission is enabled, a typical text message is shown below:

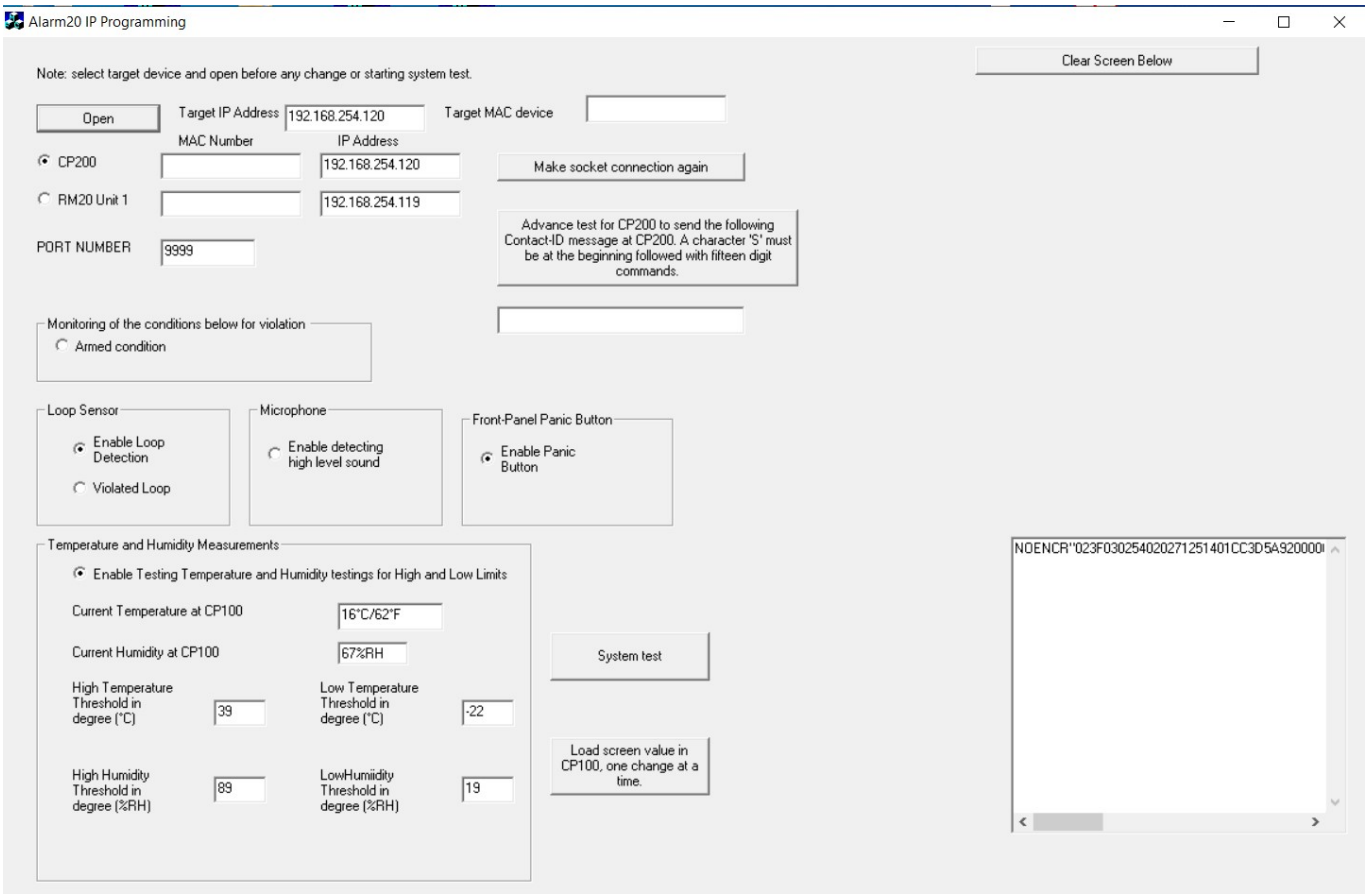


The “03565” in the text message above identifies a CP200, and it is the same ID field that is programmed in the Alarm20program.exe. The five digit field is also a zone and partition in a Contact-ID alarm message.



6.6 Running Alarm20IPprogramming.exe

The screenshot of Alarm20IPprogramming is shown below:



1. Enter CP200's IP address in a text input window as shown as 192.168.254.120 at an upper left-hand side. Enter port number of 9999 in the PORT NUMBER window.
2. Select radio button CP200.
3. Click "Open" button.
4. See received new text in a large edit window.
5. It shows loop status of non-armed condition, Enable Loop Detection, disabled Microphone for sound detection, and Enable Panic Button. Temperature and Humidity data of the CP200 with temperature and humidity high and low threshold values.
6. Changing setting or values may be done, but it is limited for one subject only at a time. For example, if you want to change High Temperature Threshold from 39 degree C to 35, enter 35 in the edit window and click a button "Load screen value CP200, one change at a time".
7. If you want to do system test, click the "System Test". But there is time window of one minute, so any change of value or running system test must be done before socket between PC and CP200 is closed.