Temperature & Humidity SMS Alert Controller

Version 7

Setup Software Guide

[Windows XP/Vista/7]



GSMS-THR / GSMS-THP

Revision 110507 [Version 2.2.14A]

SMS Alarm Messenger

Version 7

Setup Software Guide

[Windows XP/Vista/7]



SMS Pro series

Revision 110507 [Version 2.2.14A]

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(i) This manual is valid to GSMS-THR, GSMS-THP and SMS Pro series.

1. How to setup SMS Alert Controller?

There are three different ways of setting up the SMS Alert Controller.

This manual is mainly describing the use of SMS Pro Setup software via RS232 cable and GSM Modem.

- a. SMS by Mobile Phone:
 - Please refer the command list to the operation manual of SMS Alert Controller.
 - Each command will be responded with reply SMS message from SMS Alert Controller to confirm the success of setup.



- b. GSM Modem by PC:
 - "SMS Pro Setup" software is provided for this setup operation.
 - A GSM Modem is needed. GS300 is recommended.
 - It can be selected on the main screen of "SMS Pro Setup" software as below.



- c. RS232 Port by PC:
 - "SMS Pro Setup" software is provided for this setup operation.
 - 3-wired type RS232 serial cable must be connected first.
 - It can be selected on the main screen of "SMS Pro Setup" software as below.



[SMS Pro_Setup Software] screen shot

| infection setup. | | | | | Read | Darameters | | Command | Success | |
|-----------------------------------|-------------|------------|------------|-----------|--------------|--------------------|-----------------|------------------------------------|---------|----------------------------|
| RS232 GSM Modem | Port: COM3 | Disconnec | t 🌖 Connec | tion: 003 | | #1 9 #3 #2 9 #4 | 🗭 Ver 💓 Init | Status 😡 Ba | tch | SMSPro Setu Version 2.2 |
| Device Setup | Alarm Setup | SMS Text P | hone Book | Live Data | Batch Setu | þ | | | | $\overline{}$ |
| Device Propertie | s | | | Alarm Pho | one Number | | | | | |
| 🥥 De | evice ID: | 000 | | Pho | ne Number 1: | | | Phone Number 5: Phone Number 6: | | |
| 🥥 Pa | assword: | - | Reset | Pho | one Number 2 | | | Phone Number 7 | | |
| 🥥 Da | ate/Time: | 1001080905 | | Pho | one Number 4 | | 1 | Phone Number 8: | | |
| GSM Network | Ø Arm | 🔘 Disarm | | ġ. | Control Co | entre #1[C: | Ph | one Number | SMS U | oload Interva |
| Signal Strength Module Status: | GSM Modem | SIM Card G | SM Network | | Control Co | entre #2 [C2 | 2] | | NO Up | oload 👻 |

2. Connection Port & Cable

Connection Port

• please check which COM port is connected to the GSM Modem or SMS Alert Controller physically



Connection Cable

• GSM Modem Connection: "direct link RS232 cable" should be used



• Direct RS232 Connection: "cross link RS232 cable" should be used



3. Install the "SMSPro_Setup" software

Run "SMSPro_Setup", and follow the instructions

| 🕞 SMSPro_Setup_ V2.2.14 Setu | p 🗆 🗖 🗙 |
|------------------------------|---|
| | Welcome to the SMSPro_Setup_ V2.2.14 Setup Wizard This wizard will guide you through the installation of SMSPro_Setup_ V2.2.14. It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue. |
| | G SMSPro_Setup_ V2.2.12 Setup |
| | License Agreement Please review the license terms before installing SMSPro_Setup_V2.2, 12. Press Page Down to see the rest of the agreement. Publisher: Sirius Microsystems Co. GPRS Data Logger / Temperature Humidity GPRS Data Logger GSM Data Logger / Temperature Humidity GPRS Data Logger GPS Tracker / GPRS Modem /GSM Modem This computer program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law. |
| | If you accept the terms of the agreement, dick I Agree to continue. You must accept the agreement to install SMSPro_Setup_ V2.2.12. |
| G SMSPro_Setup_ V2.2.14 Setu | |
| | Completing the SMSPro_Setup_ v2.2.14 Setup Wizard ack I Agree Cancel SMSPro_Setup_ V2.2.14 has been installed on your computer. click Finish to dose this wizard. Ick Run SMSPro_Setup_ V2.2.14 click Finish to dose this wizard. |
| | < Back Einish Cancel |

4. Select Model

Models

- SMS Basic / SMS Pro-X / SMS Pro-SX / SMS Pro-ST are standard models
- Some other models can be referred to models above in selection

| Select Model | |
|--|--|
| Please select suitable model [Version 7 only]: | |
| SMS Basic | |
| GSMS-THR-X / SMS Pro-X | |
| GSMS-THR-SX / SMS Pro-SX | |
| GSMS-THR-ST / SMS Pro-ST | |
| OK Cancel | |

5. Connection Type

Connection

- Select the Connection Type, COM Port, and Click [Connect] button
- Green LED indicates the successful connection

| Connection Setup: | Read Parar | meters #3 | Status Batch Clear Phone Number 5: Phone Number 6: | SMSPro Sett |
|--|--|--------------|---|-------------|
| RS232 Port: GSM Modem COM1 Device Setup Alar COM3 Device Properties COM5 COM5 COM6 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM7 Device COM8 COM10 COM10 COM12 COM13 COM14 Date/TI COM15 COM14 Date/TI COM15 COM14 Device COM13 COM14 Dote/TI COM15 COM14 | P = 1 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + | ₩3 ₩ Ver | Status Batch Clear Phone Number 5: Phone Number 6: | SMSPro Set |
| GSM Modem COM1 Device Setup Alari COM3 SMB Text Phone Book Live Data COM4 Device Properties COM5 COM6 COM7 Pervice COM5 COM7 Pervice COM8 COM10 COM11 Passwr COM12 COM13 Date/TI COM15 COM14 | Batch Setup Number Number 1: Number 2: Number 3: | ¥4 ♀ Init | Clear Phone Number 5: Phone Number 6: | Version 2.2 |
| Device Setup Alarc COM3 M6 Text Phone Book Live Data COM4 Device Properties COM5 COM6 COM7 Device COM8 COM1 Device COM10 COM11 Passwr COM12 COM13 Date/TI COM14 Date/TI COM14 | Batch Setup Number Number 1: Number 2: Number 3: | | Phone Number 5: Phone Number 6: | |
| COM4 Device Properties COM5 COM6 COM7 Device COM8 COM10 Passw(COM12 COM12 COM12 COM12 COM13 COM14 Passw(COM12 COM14 Phone Pho | e Number 1: 2 Number 1: 2 Number 2: 2 Number 3: | | Phone Number 5: Phone Number 6: | |
| Device Properties COMS COM6 COM7 Device COM8 COM10 Passw(COM12 COM12 COM13 Device COM14 Passw(COM14 Device COM14 COM1 | Number 1: | | Phone Number 5: Phone Number 6: | |
| COM7 Device COM8 COM10 COM10 Passw(COM12 COM12 COM12 COM13 COM14 Phone Phon | Number 1: | | Phone Number 5: Phone Number 6: | |
| Device COM9 COM10 Passwi COM12 COM12 COM13 Date/TICOM15 Date/TICOM15 Date/TICOM15 | e Number 2: | | Phone Number 6: | |
| COM10 Phone Passw(COM12 Reset Phone COM13 Date/TICOM14 Phone | e Number 2: | | | |
| Passwi COM12 Reset Phone COM13 Date/Ticom15 Phone Date/Ticom15 Phone | e Number 3: | | | |
| Date/TI COM15 Phone | | | Phone Number 7: | |
| Date/II COM15 | Number 4: | | Phone Number 8: | |
| COM16 | | | | |
| GSM Network | | | | |
| Signal Strength: | | | | |
| | Control Centre | #2 [C2] | | - |
| GSM Modem SIM Card GSM Network | | | | |
| Module Status: | | | | |
| | | | | |

• For GSM Modem, please check which COM port is connected to the modem physically.



• For RS232, please check which COM port is connected to the SMS Alert Controller physically.



6. Quick Start Up

- Connect the RS232 Cable to PC COM port, and run the Setup Software
- Select Model, [RS232 Connection Type] and [COM Port]
- Click [Connect] button, green LED indicates the successful connection
- Click [Phone Book], and add a new device and connection in [Phone Book] tab

| onnection Setup: ● RS232 Port: ● GSM Modem | COM3 | nnect 🌖 Connectic | n: 💽 🗸 | Read Parameters | Ver QS | Command Suc Status 🥥 Batch Clear | SMSPro Setu Version 2.2 |
|--|----------------------------------|-------------------|---------------------------|-----------------|--------|--|----------------------------|
| Device Setup Aları Connection No | n Setup SMS Text Phone Number | Phone Book | ive Data Batch S sword | Setup | | | |
| 001 | 1598951790 | 1 12 | 34 | | Add | 🐖 Edit | 😟 Delete |
| Connection No | Phone | e Number | Passwo | ord | | | |
| 001 | 15989 | 9517901 | 1234 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

- In [Connection] pull down menu , select the [Connection No]
- After Connection No. is selected, configuration can be started.

| A GSMS-THR-X / SMS Pro-X | |
|--|---------------|
| Connection Setup: ● RS232 Port: COM3 ▼ ØDisconnect ● Connection: ● GSM Modem | 005 |
| Device Setup Alarm Setup SMS Text Phone Book Liv | e Data Bato |

7. Phone Book

- Go to the [Phone Book] tab, a new SMS Alert Controller must be added in phone book before setup
- Add the properties of a new SMS Alert Controller to the phone book in Setup Mode
- Factory Default of SMS Alert Controller properties

Connection No.: 001

Phone Number: phone number of SIM Card installed in the device

Password: 1234 (by default)

| nnection Setup: RS232 Port: COM3 GSM Modem | 🔹 🕵 Disconnect 🌖 C | onnection: | Read Pa | arameters 9 #3 9 Ver 9 #4 9 Init | Command Su Status 🔮 Batch Sclear | SMSPro Setu Version 2.2. |
|--|--------------------|------------------|------------|--|--|-----------------------------|
| Device Setup Alarm Setup | SMS Text Phone Bo | ook Live Data B | atch Setup | | | |
| Connection No | 13632554182 | Password 1234 | | Add | 🥥 Edit | Delete |
| | | | | 1000 | | |
| Connection No | Phone Number | Pa | assword | | | |
| 005 | 13570821429 | 12 | 234 | | | |
| 003 | 13632554182 | 12 | 234 | | | |
| 001 | 15989517901 | 12 | 234 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

- "Password" of SMS Alert Controller in phonebook must match its internal passwords.
- Once the properties (connection no. & password) are modified in [Device Setup] page, the database of Phone Book will be automatically updated.

| • | [Reset] button is to resume | Device Setup | Alarm Setup | SMS Text | Phone Book |
|---|-------------------------------|-----------------|-------------|----------|------------|
| | the factory default password. | Device Properti | es | | |
| | | | | | |
| | | <u>e</u> [| Device ID: | 006 | |
| | | | | | |
| | | 🔍 💭 F | Password: | 5678 | Reset |

8. Reading Internal Parameters

It is useful to read the current information stored in the SMS Alert Controller. Following information will be displayed on its corresponding fields.

- Current configuration
- Live Data
- SMS text message associated with each alarm

Detail of each parameter# check can be found on operation manual SMS Alert Controller Manual.

Click the buttons for corresponding parameters:

| Button | <u>Command</u> |
|----------------|---------------------------------|
| #1, #2, #3, #4 | Check Parameter#1, #2, #3, #4 |
| Status | SMS Alarm Messenger Live Data |
| Ver | Firmware Version Check |
| #Init | Device Reset |
| Clear | Clear the information displayed |

a) Click "Ver" button, the firmware version of device will be displayed as below.

| and the Cab | | | | | Deed | D | Command 9 | Success 🌕 |
|---|--|---|--|--|---|---|--|-------------------------------|
| RS232 GSM Moder | IP: Port: COM3 n | 💌 🥥 Disconne | ct 🌖 Connec | tion: 003 | • # | 2 9 #4 | Ver Status 🥥 Bato Init 🔍 Clear | ch SMSPro Setu Version 2.2 |
| Device Setup | Alarm Setup | SMS Text | Phone Book | Live Data | Batch Setup | | | |
| Device Proper | ties | | | Alarm Phone | e Number | | | |
| 1.04 | ante ante | | | Phone | Number 1: | NUL | Phone Number 5: | NUL |
| <u>v</u> | Device ID: | 000 | | Phone | Number 2: | NUL | Phone Number 6: | NUL |
| 9 | Password: | 1 | Reset | Phone | Number 3: | NUL | Phone Number 7: | NUL |
| | Date/Time: | 1001080905 | | Phone | Number 4: | NUL | Phone Number 8: | NUL |
| M. | e Arm | 🔘 Disarm | | | Control Cer | ntre #1[C1] | | NO Upload 🗸 |
| L-SHI NOTWORK | | | | | | | | |
| Signal Streng Module Statu | ith: GSM Modem | SIM Card C | 55M Network | ¥. | Control Cer | ntre #2[C2] | | NO Upload 🗸 |
| Module Statu parameter initi. ST:000;T:2010 ST:000;VI:7.00 ST:000;KI:1,0 ST:000;CI:,1;C SD41 V7.2_3_E | GSM Modem IS: alize Success! /01/08/09/05;H:1),0:00,00000000, :00,00000000,000 ;20;1;C3:1;C4:1; 3 2010/09/25 | SIM Card (\$ 511,00;F2:,00;X 000;A1M:5.000,0 55:,1;C6:,1;C7:, | 55M Network H:24;ER:000;; 0.000,1.000,0, 00000,000;K3 ,1;C8:,1;# | ¥ 5.000,0.500,0: :1,0:00,0000000 | Control Cer 00,00000000 00,000;K4:1 | ntre #2 [C2] 0,000;A2M:5.000 1,0:00,0000000 | 0,0.000,1.000,0,5.000,0. 0,000;K5:1,0:00,000000 | NO Upload • |

b) Click "#1" button, the Central Setting and GSM Signal Strength will be displayed as below.

| Device Properties | Number 1: Number 2: Number 3: | Phone Number 5: Phone Number 6: Phone Number 7: | |
|--|-------------------------------------|---|--------------------|
| Device ID: 007 Phone Password: Reset Phone Date/Time: 1104200221 Phone | Number 1: | Phone Number 5: Phone Number 6: Phone Number 7: | |
| Password: Reset Password: Phone Date/Time: 1104200221 | Number 3: | Phone Number 7: | |
| Oate/Time: 1104200221 Phone | Number 4: | | |
| | | Phone Number 8: | |
| Device Arm/Disarm Control Cent | tre | | |
| 🖉 🔿 Arm 💿 Disarm | Control Contro #1[C1] | Phone Number | SMS Upload Interva |
| GSM Network | contro centre #1[c1] | 10002004102 | |
| Signal Strength: GSM Modem SIM Card GSM Network | Control Centre #2 [C2] | 15914098264 | 6 Hour 🔻 |
| | | | |

c) Click "#2" button, the Analog Alarm Setting will be displayed as below.

| onnec | tion Setu | p: | | | | | | | | Read | Paramete | ers | | Command S | uccess | | 9 |
|----------|-----------------------|---------|-----------|---------|--------|-------|----------|------------|----------|--------------|----------------|---------------------|----------|---------------------------|---------|------------------|--------|
| RS GS | 232 M Modem | Port: | СОМЗ | • 9 | Disco | nnect | Sonn | nection: 🕻 | 006 | • <u>*</u> # | 1 👾 # 2 👾 # | 3 🔮 Ver 4 🔮 Init | r 🥥 Stat | us 🞑 Bato ar | h | SMSPro Versio | n 2.2. |
| Device | e <mark>Setu</mark> p | Alar | m Setup | SMS | Text | Ph | one Book | Live [| Data B | atch Setup | | | | | | | |
| Alarm (| Channel (| Configu | ration | | | | | | | | | | | | - 12 | | - 2 |
| Q. | Alarm 1 | Alar | mType | _ | CI | C2 | Phone1 | Phone2 | Phone3 | Phone4 | Phone5 | Phone6 | Phone/ | Phone8 | Relay1 | Relay2 | Relay |
| 0 | Alarm 2 | | | | | | | | | | | | | | | | |
| ġ. | Alarm 3 | | | | | | | | | | | | | | | | |
| | Alarm 4 | - | | • | | E | | | | | | | | — | | F | |
| | Alarm 5 | : | | - | | | | | | | - | | - | — | | | |
| 0 | Alarm 6 | : | | - | 1 | | | |) | | | | | — | | | |
| | Alarm 7 | : | | • | | | | - | í - | í – 1 | | - | - | — | | | |
| | Alarm 8 | : | | • | | | - | - | j 💽 🕌 | j | - | - | • | | | | |
| Q. | Analog | 1: | | | V | | SMS 👻 | None 🔻 | None - | Dial 🔻 | None 🔻 | None 🔻 | Both 🔻 | None - | | | 1 |
| Q. | Analog | 2: | | | [[]]]] | V | None - | Dial 👻 | None - | None 🔻 | SMS - | None - | None - | Both 👻 | | | V |
| | Voltage | Alert: | | | | | None 🔻 | None • | SMS - | None 🔻 | None 🔻 | Both 👻 | None - | Dial 🔻 | | | |
| Analo | g Channe | l. | Operatio | n Mode | | | | Range H | iah | Range Lo | ow | Start Zer | 0 | Alert High | | Alert | Low |
| 4 | Analog : | 1: | Alert Hig | h/Low | Enab | l∈ ▼ | | 4.000 | | 1.000 | | 2.000 | | 50.00 | 1 | 0.90 | 0 |
| | Analog | 2: | Alert Tin | ne Laps | se En | at 👻 | | 6.000 | | 2.000 | Ĩ | 1.000 | | 40.00 |] | -1.0 | 0 |
| elay (| Control | | | | | | | Time Lan | selseron | de) | | | Low | Voltage Ale | rt Moni | tor | |
| Re | alay 1: | ON | Q. | (| OFF | Q. | | ý. | | | | | Ale | ert Limit: 9 | .000 | (V) | ġ. |
| Re | alay 2: | ON | | (| OFF | Q | | ý. | - | | _ | | | | | | |
| Re | alay 3: | ON | 0 | (| OFF | Q. | | Q | | | | | GS Po | MS - THR S wer Failure | Alert: | | |

d) Click "#3" button, the Digital Alarm Setting will be displayed as below.

| onneo | tion Setup | : | | | | | | | Read | Paramete | rs | - | Command | Success | | 9 |
|-------|------------|--------|---------------|--------------|-------|----------|----------|-----------|------------|----------------|---------------------|--------|-----------------|----------|----------|-------------------|
| GS GS | M Modem | Port: | СОМЗ 🔻 | Disco | nnect | Conn | ection: | 006 • | • | 1 💓 # 2 🐖 # | 3 🥥 Ver 4 👰 Init | Stat | tus 💓 Bat ar | ch | Versi | o Setu on 2.2. |
| Devic | e Setup | Alar | m Setup SM | 1S Text | Ph | one Book | Live D | Data Ba | atch Setup | | | | | | | |
| larm | Channel C | onfigu | iration | | | | - 10 | | | | | | | | | |
| a | Alarm 1 | Alan | m Type | | C2 | Phone1 | Phone2 | Phone3 | Phone4 | Phone5 | Phone6 | Phone7 | Phone8 | Relay1 | Relay2 | Relay: |
| a | Alarm 2: | Disa | Clean Trianna | | | None • | None + | None • | None V | None • | None • | None + | None • | | | |
| a | Alarm 3 | NO | Doop Trigger | | | | None • | Nono - | None V | | | SMS ▼ | None + | | | |
| - | Alarm 4 | | Thango State | | | None + | None - | | None - | | None - | None - | Roth - | | | |
| | Alarm 5: | Diea | blo | | | None - | None - | None - | None - | | None - | None - | None - | | | |
| - | Alarm 6: | NCU | Doop Triggory | | | None - | Dial - | None - | None - | | None + | None - | None - | | | |
| | Alarm 7: | | Thanne State | | | None - | | None - | | None - | None - | Both - | None - | | | |
| - | Alarm 8: | NO(| Close Trigger | • | | None - | SMS - | None - | None - | Dial - | None - | None - | Both - | | | |
| G. | Analog 1 | | | | | | None - | None | | None - | None - | Both - | None | m | | 7 |
| Q. | Analog 2 | | | | | None - | Dial - | None - | None - | | None - | None - | Both - | | | |
| | Voltage / | Alert: | | | | None - | None - | SMS - | None - | None - | Both - | None - | Dial 👻 | | V | |
| Analo | g Channel | | 0 | 42 | | | Dange II | iab | Bangolu | | Chart Zor | - | Alert Lieb | _ | Alort | 1.000 |
| a | Analog 1 | | Alort High/L | ae w Epsi | | | 4 000 | ign | 1 000 | J W | 2 000 | 0 | 50.00 | - | Alert | LOW |
| | Analog 2 | | Alert Time La | apse En | at 🔻 | | 6.000 | - | 2.000 | 4 | 1.000 | = | 40.00 | | -1.0 | 0 |
| Relay | Control | | | | | | | | | | | Low | Voltage Al | ert Moni | tor | |
| | | | | | | | Time Lap | se(second | is) | | | 2.511 | | | | - |
| Re | elay 1: | ON | | OFF | Q. | | ġ | C | 0010 | | | Ale | ert Limit: | 9.000 | (V) | 9 |
| Re | elay 2: | ON | Q. | OFF | 9 | | ų. | C | 0020 | | | GS | MS - THR | Series | | |
| Re | elay 3: | ON | Q. | OFF | Q | | Q | (| 0030 | | | Po | wer Failure | Alert: | | 9 |

e) Click "#4" button, the Device Properties Setting will be displayed as below.

| onnection Setup: | Command Success 🥥 |
|--|---|
| R5232 Port: COM3 COM3 Connect Connect | tion: 006 • 41 43 Ver Status Batch SMSPro Setu • #2 44 0 Init Clear Version 2.2 |
| Device Setup Alarm Setup SMS Text Phone Book | Live Data Batch Setup |
| Device Properties | Alarm Phone Number |
| | Phone Number 1: 15989517901 Phone Number 5: +18965438546 |
| Device ID: | Phone Number 2: +13570821429 Phone Number 6: 015920046344 |
| Password: Reset | Phone Number 3: 0773798546 Phone Number 7: +15914029705 |
| Date/Time: | Phone Number 4: +15920239743 Phone Number 8: 015914183549 |
| GSM Network | Control Centre #1 [C1] |
| Signal Strength: GSM Modem SIM Card GSM Network Module Status: | Control Centre #2 [C2] |
| xT:007;VL:9.00,O:11,00100302,010;A1M:4.000,1.000,2.000,4, xT:007;K1:0,O:00,00000000,000;K2:1,O:10,10302010,101;K3: xT:007;C1:15989517901,1;C2:+13570821429,1;C3:07737985 | 50.00,0.900,0:10,10020030,011;A2M:6.000,2.000,1.000,1,40.00,-1.00,O:01,02001003, :2,O:01,02030100,011;K4:3,O:11,00102003,100;K5:0,O:00,0000000,000;K6:2,O:10,02 :46,1;C4:+15920239743,1;C5:+18965438546,1;C6:015920046344,1;C7:+15914029705 |
| | |

9. Live Data

Click "Status" button, the current status of alarm input and analog input channels will be displayed as below on [Live Data] tab.



This is the same command as "PWD:1234,STATUS%" sent by mobile phone.

| RS232 GSM Mode | Port: COM | 13 🔻 | Disco | nnect 🍝 | Conne | ection: | 006 | • | <pre> #1 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2</pre> | 9 #3 9 #4 | 🥥 Ver | Sta | atus ear | Batch | SM Ve | ISPro Setu ersion 2.2. |
|----------------|------------|-------|----------|---------|-------|---------|------|-------|---|--------------|-------|-----|-------------|-------|----------|---------------------------|
| evice Setup | Alarm Se | tup | SMS Text | Phone | Book | Live | Data | Batch | Setup | | | | | | | |
| Station ID | Date | Time | Voltage | AD1 | AD2 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | R01 | R02 | R03 |
| 006 | 2011-04-20 | 03:06 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:06 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:06 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:06 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:06 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:07 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:08 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:08 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:08 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 006 | 2011-04-20 | 03:08 | 12.50 | 000 | 000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

- The software will not automatically download the live data from the SMS Alert Controller. It will retrieve the live data only when the [Status] button is clicked manually.
- Live Data will not be saved but only displayed. Once [Clear] button is clicked or program is closed, all data will be cleared.
- "SMSPro_Server" software will automatically download the data from SMS Alert Controller, and maintain the data records in server database.
- Please refer to the "SMSPro_Server" manual for the operation detail.

Click "Clear" button, all parameters and data displayed will be clear as below.

| Device Setup Alarm Setup SMS Text Phone Book | Live Data Batch Setup |
|--|---------------------------------|
| Device Properties | Alarm Phone Number |
| | Phone Number 1: Phone Number 5: |
| Device iD. | Phone Number 2: Phone Number 6: |
| Password: Reset | Phone Number 3: Phone Number 7: |
| 👰 Date/Time: | Phone Number 4: Phone Number 8: |
| SSM Network | Control Centre #1[C1] |
| SSM Network | |
| Signal Strength: | Control Centre #2 [C2] |
| Module Status: | |
| | |
| | |
| | |

10. GSM Network

Before installing the device on site, proper GSM network connection should be ensured.

| nection Setun: | | | | Comment | | |
|---|-----------------|--------------|-----------------------|-----------------|---------------|--------|
| RS232 Port: COM3 T | ion: 003 💌 | Read Para | ameters 😡 #3 😡 Ver | Status 🖉 Bato | ch SMSPr | o Setu |
| GSM Modem | | #2 | 🚅 #4 🖉 Init | 🥥 Clear | Versio | n 2.2. |
| evice Setup Alarm Setup SMS Text Phone Book | Live Data Bato | h Setup | | | | |
| evice Properties | Alarm Phone Nur | nber | | | | |
| Device ID: 000 | Phone Nun | nber 1: | | Phone Number 5: | | |
| | Phone Nur | nber 2: | | Phone Number 6: | | |
| Password: Reset | Phone Nur | nber 3: | | Phone Number 7: | <u></u> | |
| Date/Time: 1001080801 | Phone Nur | nber 4: | | Phone Number 8: | [| |
| | | | | | | |
| evice Arm/Disarm | Control Centre | | | | | |
| 🖉 💿 Arm 🔿 Disarm | 1 Januar I. | | Pl | hone Number | SMS Upload In | iterva |
| | 🧟 Cor | ntrol Centre | #1 [C1] | | NO Upload | • |
| SM Network | | | | | | |
| Signal Strength: | Cor | ntrol Centre | #2 [C2] | | NO Upload | • |
| GSM Modem SIM Card GSM Network | | | | | | |
| Module Status: | • | | | | | |

- 1 Signal Strength is shown to check the GSM network coverage.
- 2 Three LED indicates the status of GSM Module

| | ER: x y z | | | |
|---|------------------------|--------|--------|------------------------------------|
| | Description | Normal | Defect | |
| x | GSM Module Status | 0 | 1 | [GSM module damaged] |
| у | SIM Card | 0 | 1 | [SIM card not inserted] |
| | | | | [Service unpaid, or not activated] |
| z | GSM Network Connection | 0 | 1 | [Wrong GSM band selection] |
| | | | | |

ER:000 means proper network connection for normal operation

11. Device Setup

It is used to modify the properties of each SMS Alert Controller, and the routine operation parameters.

- a) Selecting the option or modifying the parameters
- b) Click or Set button to activate the command.

| onnection Set | up: | | | | Read | Parameters | | Command S | uccess 🧶 | |
|-----------------|--------------------|-----------------------------|----------------|-------------|---------------|----------------------|------------------------|------------------|-----------------------|----------------|
| RS232 GSM Model | Port: COM3 | Disconi | nect 🌖 Conne | ection: 006 | • # # | 1 🗭 #3 🗭 2 🗭 #4 🗭 | Ver ØStal Init ØCle | tus 🥥 Batc ar | h SMSPro S Version | Setur 2.2.1 |
| Device Setup | Alarm Setup | SMS Text | Phone Book | Live Data | Batch Setup | | | | | |
| Device Prope | rties | | | Alarm Ph | one Number | | | | | |
| 1.24 | | | | Ph | one Number 1: | 15989517901 | Phone | Number 5: | +18965438546 | |
| Q. | Device ID: | 006 | | Bh | one Number 2: | +1357082142 | 29 Phone | Number 6: | 015920046344 | |
| 9 | Password: | - | Reset | Ph | one Number 3: | 0773798546 | Phone | Number 7: | +15914029705 | |
| | Date/Time: | 1104200214 | · | Ph | one Number 4: | +1592023974 | 13 Phone | Number 8: | 015914183549 | |
| 9 | Arm | Oisar | m | ¥. | Control Cer | ntre #1[C1] | Phone Nur 13632554 | nber 182 | SMS Upload Inte | erval |
| GSM Network | | | | | | | | | | |
| Signal Streng | gth: | | | | Control Cer | ntre #2 [C2] | 159140982 | 264 | 6 Hour | • |
| Module State | GSM Modem | SIM Card | GSM Network | | | | | | | |
| T:000;T:2010 |)/01/08/08/01;H:1 | ;F1:,00;F2:,00 | ;XH:24;ER:000; | ;# | | | | | | _ |
| 1:006;C1:,1; | C2:,1;C3:,1;C4:,1; | C5:,1;C6:,1;C | /:,1;C8:,1;# | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Note:

- Command Status will display the progress of each command.
- Select the next parameter setup only when the current command is completed.
- Please refer the information and description of each command to the Operation Manual of SMS Alert Controller.

12. Alarm Setup

It is used to setup the alarm properties associated with alarm inputs and relay outputs.

- 8 x alarm inputs
- 2 x analog inputs
- 3 x relay Outputs
- Low Voltage Alert
- a) Selecting the option or modifying the parameters
- b) Click or set button to activate the command.

| onnec | tion Setup | : | | | | | | | | Read | Paramete | rs | 100 | Command S | Success | | • |
|---------|----------------|--------|---------------|--------------|-------|-------|----------|-----------|----------|------------|----------------|---------------------|--------|------------------|----------|--------|------------------|
| © GS | 232 M Modem | Port: | СОМЗ - |] <i>Q</i> D | iscor | nnect | Conn | ection: 0 | 06 | • # | 1 👷 # 2 👰 # | 3 💓 Ver 4 👾 Init | Stat | tus 🥥 Bati ar | ch | Versio | o Setu n 2.2. |
| Device | e Setup | Alar | m Setup | SMS Te | ext | Ph | one Book | Live D | ata B | atch Setup | , | | | | | | |
| Alarm (| Channel C | onfigu | uration | | | | | | | | | | | | | | |
| 125 | | Alan | m Type | | C1 | C2 | Phone1 | Phone2 | Phone3 | Phone4 | Phone5 | Phone6 | Phone7 | Phone8 | Relay1 | Relay2 | Relay |
| 9 | Alarm 1: | Disa | ble | _ | 1000 | | None - | None - | None - | None 🔻 | None - | None - | None - | None - | | | |
| | Alarm 2: | NO(| Close Trigger | . • | 1 | 1000 | SMS - | None - | Both - | None • | Dial - | None - | SMS - | None - | 1 | | V |
| | Alarm 3: | NC(| Open Trigger | € ▼ | 100 | V | None - | Dial 👻 | None - | Both 👻 | None - | SMS - | None - | None - | 100 | V | V |
| | Alarm 4: | CS(C | Change State | e 🔻 | V | V | None - | None - | SMS - | None 🔻 | Dial 🔻 | None - | None - | Both 🔻 | V | | |
| | Alarm 5: | Disa | ble | • | | | None 🔻 | None 🔻 | None 🔻 | None 🔻 | None 🔻 | None 🔻 | None 🔻 | None 🔻 | | | |
| Q. | Alarm 6: | NC(0 | Open Trigger | € ▼ | V | | None 👻 | Dial 👻 | None - | None 🔻 | SMS 👻 | None 🔻 | None - | None 🔻 | V | | V |
| 0 | Alarm 7: | CS(C | Change State | • • | 100 | V | None 🔻 | None - | None - | Dial 👻 | None 🔻 | None - | Both 👻 | None 🔻 | 100 | V | |
| | Alarm 8: | NO(| Close Trigger | ~ • | V | | None 🔻 | SMS 🔻 | None - | None 🔻 | Dial 🔻 | None 🔻 | None - | Both 🔻 | | | |
| | Analog 1 | : | | | 1 | 1 | None - | None - | None - | None - | None - | None 🔻 | None - | None - | | | |
| | Analog 2 | : | | | | | None - | None - | None - | None 🔻 | None - | None - | None - | None 🔻 | 100 | | |
| | Voltage | Alert: | | | | | None • | None • | None • | None 🔻 | None • | None + | None • | None 🔻 | | | |
| Analo | g Channel | | Operation | Mode | | | | Range Hi | iah | Range L | ow | Start Zer | 0 | Alert High | | Alert | Low |
| | Analog 1 | : | Alert Disa | bled | | • | | 5.000 | - | 0.000 | | 1.000 | | 5.000 | | 0.50 | 0 |
| | Analog 2 | : | Alert Disa | bled | | • | | 5.000 | | 0.000 | | 1.000 | | 5.000 | | 0.00 | 0 |
| Relay (| Control | | | | | | | Time Lap | se(secon | ds) | | | Low | Voltage Ale | ert Moni | tor | |
| Re | alay 1: | ON | | OF | FF | Q. | | Q. | - | 0000 | | | Ale | ert Limit: 7 | .000 | (V) | 9 |
| Re | alay 2: | ON | | OF | FF | Q. | | Q | Ī | 0000 | | | | | | | |
| Re | alay 3: | ON | Q. | OF | FF | Q. | | 0 | 1 | 0000 | | | Po | wer Failure | Alert: | | 0 |

Note:

- Command Status will display the progress of each command.
- Select the next parameter setup only when the current command is completed.
- Please refer the information and description of each command to the Operation Manual of SMS Alert Controller.

13. Power Alert

13.1 SMS Pro series

Low Voltage Alert

- External Power Supply
- Setting the voltage alert level
- SMS alarm will be sent out when the power input voltage level is lower than the alert level

| Low Voltage Alert Monitor | | | | | | | | | | | | |
|---------------------------|---------------------|-----|----------|--|--|--|--|--|--|--|--|--|
| Alert Limit: | 8.000 | (V) | | | | | | | | | | |
| GSMS - THR Power Failu | Series re Alert: | | <u>e</u> | | | | | | | | | |
| | | | | | | | | | | | | |

13.2 GSMS-THR series

AC Power Loss Alert

- Internal AC/DC power adaptor: 9VDC
- Internal rechargeable battery: 7.8VDC
- Alert Voltage Level: 8.5VDC



- a. It has internal rechargeable battery for non-stop operation during AC power loss.
- b. Click the [Power Failure Alert] button to enable the SMS Alarm during the AC power loss.
- c. During AC power loss, power source will switch from AC/DC adaptor to internal battery automatically.
- d. Voltage will then drop from 9VDC to 7.8VDC which is lower than the alert level 8.5V.
- e. SMS Alarm will be sent to alert user of AC power loss.

14. Analog Channel

It is used to setup the AD input.

Parameters depends on the specification of sensors with 4~20mA output.

| Ana Ana Volt | og 1: og 2: age Alert: | Image: SM Image: SM <tr< th=""><th>IS Vone None None SMS None SMS SMS</th><th>Dial None None None None None</th><th> None None None Both None None None </th><th> None None None </th><th></th><th></th></tr<> | IS Vone None None SMS None SMS SMS | Dial None None None None None | None None None Both None None None | None None None | | |
|--------------------|--|--|-------------------------------------|--|---|---|-----------------|----------|
| Analog Cha | Operation Mo og 1: Alert High Ei og 2: Alert High/Li | ode nable 🔹 ow Enable 👻 | Range High 100.0 120.0 | Range Low -100 0.000 | Start Zero 0.000 0.000 | Alert High 80.00 60.00 | Alert I 40.0 | Low O |



Operation Mode:

- Alert Disabled
- Alert Time Lapse Enable

Relay is turn on then off after the time lapse when AD value is higher/lower than alert level.

• Alert High Enable

Relay is triggered on when AD value is higher than Alert High.

Relay will be turn off when AD resumes normal. (i.e. drops below Alert High level)

Alert Low Enable

Relay is triggered on when AD value is lower than Alert Low.

Rely will be turn off when AD resumes normal. (i.e. rises above Alert Low level)

• Alert High/Low Enable

Relay is triggered on when AD value is higher than "Alert High" or lower than "Alert Low".

Relay will be turn off when AD resumes normal. (i.e. AD is within the range of Alert High and Low)

Notes:

- Each relay can only be associated with one AD channel alarm.
- Once relay is associated with AD channel alarm, it should not be controlled by SMS manually.

15. Relay Control

It is used to setup the time lapse of relay on/off triggered by alarm. ON & OFF buttons are used to test the relay locally

| Relay Control | | | | | Time Lapse(seco | onds) |
|---------------|----|----|-----|----|-----------------|-------|
| Relay 1: | ON | Q. | OFF | ġ: | | 0010 |
| Relay 2: | ON | Q. | OFF | ġ. | 9 | 0020 |
| Relay 3: | ON | Q. | OFF | ġ: | , | 0030 |

To verify the setting in "Alarm Channel", "Relay Control", "Analog Channel" & "Low Voltage Alert":

- First, clear the displayed settings by click [Clear] button.
- Then, click [#2] & [#3] button to read the parameter setting from the device.

| onnec | tion Setur | | | | | | | | Read | Paramete | rs | | Command 9 | Success | | 9 |
|---------------------|----------------------|--------|----------------|----------|----------|----------|-----------|----------|------------|----------------|---------------------|----------|------------------|-----------|-----------------|------------------|
| RS: GSI O GSI | 232 M Modem | Port: | СОМЗ 🔹 | Disco | nnect | 🌖 Conr | ection: 0 | 06 | • • • # | 1 💓 # 2 💓 # | 3 🥥 Ver 4 🥥 Init | s 😧 Stat | cus 🥥 Bate ar | ch | SMSPr Versio | o Setu on 2.2 |
| Device | e <mark>Setup</mark> | Alar | m Setup S | MS Text | Ph | one Book | Live D |)ata B | atch Setup |) | | | | | | |
| Alarm (| Channel C | onfigu | uration | C1 | C2 | Phone 1 | Phone? | Phone3 | Phone/ | Phone5 | Phone6 | Phone7 | Phone8 | Relav1 | Relay2 | Relay |
| | Alarm 1: | Disa | ble | - | | None - | None - | None - | None - | None - | None - | None - | None - | | | |
| 9 | Alarm 2: | NO(| Close Trigger(| • | 100 | SMS - | None - | Both - | None - | Dial - | None - | SMS - | None - | V | | |
| Q. | Alarm 3: | NC(| Open Triggere | • | V | None - | Dial 👻 | None - | Both 👻 | None - | SMS - | None - | None - | 1000 | V | V |
| | Alarm 4: | CS(| Change State | • | | None - | None - | SMS - | None 🔻 | Dial 👻 | None - | None - | Both 👻 | | | |
| Q. | Alarm 5: | Disa | ble | • | | None • | None 🔻 | None - | None 🔻 | None • | None - | None 🔻 | None - | | | |
| 9 | Alarm 6: | NC(| Open Triggere | • | | None 👻 | Dial 👻 | None - | None 🕶 | SMS 👻 | None - | None - | None 🔻 | 7 | | V |
| | Alarm 7: | CS(| Change State | • | V | None 🔻 | None 🔻 | None - | Dial 👻 | None • | None - | Both 🔻 | None 🔻 | | | |
| | Alarm 8: | NO(| Close Trigger | • | | None 🔻 | SMS 🔻 | None - | None 🔻 | Dial 🔻 | None 🔻 | None - | Both 🔻 | | | |
| Q. | Analog 1 | : | | V | 1 | SMS 🔻 | None - | None - | Dial 👻 | None 🔻 | None 🔻 | Both - | None - | | | V |
| | Analog 2 | 2: | | | V | None 👻 | Dial 👻 | None - | None 🔻 | SMS - | None - | None - | Both 🔻 | V | | V |
| | Voltage | Alert: | | | | None 🔻 | None - | SMS - | None 🔻 | None 🔻 | Both - | None - | Dial 🔻 | | | |
| Analog | g Channel | | On continue M | 242 | | | Papao Hi | ich | Paperal | | Start Zor | | Alort High | | Alort | Low |
| 0 | Analog 1 | | Alert High/I | ow Enal | ole 🔻 | | 4.000 | gn | 1.000 | 0.00 | 2.000 | 0 | 50.00 | | 0.90 | 00 |
| | Analog 2 | : | Alert Time I | Lapse En | at 🔻 | | 6.000 | - | 2.000 | | 1.000 | | 40.00 | | -1.0 | 0 |
| elav (| Control | | | | | | | | | | | Low | Voltage Ale | ert Monit | tor | |
| | | | 10467 | | | | Time Lap | se(secon | ds) | | | AL | ort Limit: | | 0.0 | 102 |
| Re | elay 1: | ON | | OFF | ų. | | ų | | 0010 | | | Alt | erc Limic: g | 000 | (V) | |
| Re | alay 2: | ON | <u> v</u> | OFF | ų | | <u>U</u> | L | 0020 | _ | | GS | MS - THR | Series | | 24 |
| Re | alay 3: | ON | Q. | OFF | 0 | | Q. | | 0030 | | | Po | wer Failure | Alert: | | 9 |

16. Temperature & Humidity Calibration

It is used to fine tune the accuracy of humidity sensor measurement.

A) Temperature [GSMS-THR-SX]

AD2 "Analog 2" channel is connected to the temperature sensor TH-V2.

- o Since digital temperature sensor is used, there is no need of calibration.
- Values of [Range High], [Range Low] and [Start Zero] will be ignored.

| onnec RS | tion Setup 232 M Modem | : Port: (| СОМЗ | • 🐖 | Disco | nnect | Conn | nection: |)07 | Read | Paramete #1 👷 # #2 🕶 # | ers 3 父 Ver 4 🗘 Init | Stat | tus 🥥 Batch | 1 | SMSP | ro Setu |
|-------------|------------------------------|--------------|------------------|---------|-------|-------|----------|----------|-----------|------------|------------------------------|----------------------------|----------|----------------|--------|----------|----------|
| Device | e Setup | Alarn | n Setup | SMS 1 | Text | Ph | one Book | Live [| Data B | atch Setur | p | | | | | Vera | 511 2.2 |
| Alarm | Channel C | onfigu | ration | | | | - | | - | _ | | - | | - | | | |
| a. | Alarm 1: | Alarn | n Type | | C1 | C2 | Phone1 | Phone2 | Phone3 | Phone4 | Phone5 | Phone6 | Phone7 | Phone8 | Relay1 | . Relay2 | ! Relay |
| 0 | Alarm 2: | NO(C | lose Triac | | | | | None - | | None - | | Both - | None - | | | | |
| Q. | Alarm 3: | | inen Triaa | | | | None - | Both - | | SMS - | None - | None - | Dial + | None - | | | |
| | Alarm 4: | CSC | hande Sta | ate v | | | None - | None - | | None - | | None - | None - | Both + | | | |
| | Alarm 5: | NO(C | | | | | None - | Dial | None - | None - | None - | Both - | None - | None - | | | |
| 0 | Alarm 6: | Dieat | alose mgg | | | | None - | None - | None - | None - | None - | None - | None - | None - | | | |
| a | Alarm 7: | NCO | ne Inen Triga | | | | | None - | None - | Roth - | None - | None - | None - | | | | |
| 0 | Alarm 8: | CS(C | hange Sta | ate 🔻 | | | None - | SMS - | None - | None - | Both - | None - | Dial - | None - | | | |
| | | | | | | | | | | | | | | | | | |
| | Humidity | : | | | | V | Dial 👻 | None - | None - | Both 👻 | None - | SMS 🔻 | None - | None 🔻 | | | V |
| 9 | Tempera | ture: | | | | | None - | SMS - | None - | None - | Both 👻 | None + | None - | Dial 🔻 | 7 | | |
| 9 | Voltage | Alert: | | | | 1 | None - | None - | Both - | None - | None 🔻 | SMS 👻 | None - | None 🔻 | 7 | | |
| Analog | Channel | | Operatio | n Modo | | | Range | High Ran | ae Low St | art Zero | Alert High | Alert Low | v U., | midity | | | |
| | Humidity | | Alert Hi | nh Enab | le | • | 129.3 | 0.0 | 00 0 | .000 | 60.00 | 30.00 | Act | ual Humidity: | 50 | | (PLI) |
| ۲ | Tempera | ture: | Alert Hig | gh/Low | Enab | le ▼ | | | | | 45.00 | -2.00 | Sta | rt Calibration | .: | ġ. | (INIT) |
| Relay | Control | | | | | | | Time Lap | se(second | ls) | | | Low | Voltage Aler | t Moni | tor | |
| Re | alay 1: | ON | 9 | c | DFF | Q. | | 9 | (| 0000 | | | Ale | ert Limit: 7. | 000 | (V) | Q. |
| Re | alay 2: | ON | | C | OFF | Q. | | | (| 0000 | | | | | | | |
| Re | elav 3: | ON | 4 | C | DEE | a | | 0 | (| 0000 | | | GS PC | ower Failure A | aries | | 0 |

B) Temperature [GSMS-THR-ST]

Both AD1 and AD2 channels are connected to the temperature sensors T-V2.

- Since digital temperature sensor is used, there is no need of calibration.
- Values of [Range High], [Range Low] and [Start Zero] will be ignored.

| Analog Channel | | | | | | |
|----------------|-------------------------|------------|-----------|------------|------------|-----------|
| rinalog enamer | Operation Mode | Range High | Range Low | Start Zero | Alert High | Alert Low |
| Temperature1: | Alert High Enable 🔹 | | | | 40.00 | -1.00 |
| Temperature2: | Alert Time Lapse Enat 💌 | | | | 50.00 | 20.00 |

Setup Software Guide

- C) Humidity [GSMS-THR-SX]
 - AD1 "Analog 1" channel is connected to the humidity sensor.
 - There are many factors e.g. temperature affecting the output value of humidity sensor.
 - SMS Alert Controller provides the [Range] parameter for user calibration.
 - In most cases, the factory default setting is calibrated for general environmental application.
 - Start Zero: 00000
 - Range: 00120
 - Under any circumstances, range adjustment is recommended to be within 100~150.

Automatic Calibration for humidity measurement

- 1) Prepare an accurate humidity measuring instrument
- 2) Put the instrument and SMS Alert Controller's humidity sensor in same place
- 3) Take the reading from the instrument
- 4) Enter the reading into the "Actual Humidity"



| Analog | Channel | Operation Mode | Range High | Range Lo | w Start Zero | Alert High | Alert Low | Humidity | |
|----------|--------------|-------------------------|------------|----------|--------------|------------|-----------|--------------------|----------|
| e | Humidity: | Alert Time Lapse Enal 🔻 | 100.0 | 0.000 | 0.000 | 80.00 | 40.00 | Actual Humidity: | (RH) |
| Q. | Temperature: | Alert Disabled 🔹 | | | | 80.00 | 0.000 | Start Calibration: | |

| Analog |) Channel | Operation Mode | Range High | Range Lo | w Start Zero | Alert High | Alert Low | Humidity | | |
|--------|--------------|-------------------------|------------|----------|--------------|------------|-----------|--------------------|----|------|
| Ŷ. | Humidity: | Alert Time Lapse Enat 🔻 | 153.4 | 0.000 | 0.000 | 80.00 | 40.00 | Actual Humidity: | 40 | (RH) |
| , | Temperature: | Alert High/Low Enable ▼ | | | | 30.00 | 27.00 | Start Calibration: | | |

- 5) Click button [Start Calibration]
- 6) Calibration is done!
- 7) Keep the values of "Range" and "Start Zero", but only modify the "Alert High" and "Alert Low" for alarm level purpose
- In the above case, "Range" is configured to 153.4 by Auto Calibration.
- DO NOT change "Range" & "Start Zero"
- When humidity is higher than 80% or lower than 40%, alarm SMS will be sent.

17. SMS Text

It is used to setup the SMS text message when corresponding alarm is triggered.

Each alarm can be programmed to independent text message.

- 8 x alarm inputs close triggered
- 8 x alarm inputs open triggered
- 2 x analog inputs [Temperature & Humidity] Alert High alarm message
- 2 x analog inputs [Temperature & Humidity] Alert Low alarm message
- Low Voltage Alert
- A) SMS Text Setup

This is to setup the alarm SMS text delivered to user mobile phone when alarm is triggered.

Each alarm can be configured with its own individual SMS text for close and open triggered.

- a) Selecting the channel, and type the alarm message
- b) Click Set button to set the alarm SMS text into the device

| opportion Sotu | D : | | | | Road D: | aramotore | Command Success | 6 |
|---------------------|-------------|------------|--------------------------------|--------------------|---------------|--------------------|---------------------------|----------------------|
| RS232 GSM Modem | Port: COM3 | • ØDisc | onnect 🌖 Conne | ction: 006 | • #1 | 9 #3 9 Ver | Status Batch | SMSPro Setu |
| Device Setup | Alarm Setup | SMS Text | Phone Book | Live Data | Batch Setun | 9 #4 9 Inic | Clear | version 2.2. |
| Device Setup | Alarm Setup | | Phone book | Live Data | battin Setup | | | |
| SMS Text | Open Set | Alarm Ope | n Text | | Close Set | Alarm Close Text | | |
| Channel 1: | 👾 Set | >ST:006; | F:20/04/2011,02:5 | 6;NP:ALARMIN | 🖉 Set | >ST:006;T:20/0 | 4/2011,02:56;NC:ALARMINI | 👰 Read |
| Channel 2: | 💓 Set | | | | 🖉 Set | | | Read |
| Channel 3: | 🥥 Set | Fire! | | | 🥥 Set | | | Read |
| Channel 4: | Set . | | | | 🥥 Set | | | Read |
| Channel 5: | Set Set | | | | Set Set | 2 | | Read |
| Channel 6: | Set Set | - | | | Set Set | - | | Read |
| Channel 7: | Set Set | - | | | 🥥 Set | - | | Read |
| Channel 8: | Set . | - | | | Set . | | | Read |
| | 100 | | | | | | | 1.00 |
| | Alert High | Alert High | Text | | Alert Low | Alert Low Text | | Trease to the second |
| Analog 1: | Set Set | | | | 💓 Set | <u></u> | | Read |
| Analog 2: | 🥥 Set | | | | 👾 Set | | | Read |
| Voltage: | 🥥 Set | | | | | | | 🥥 Read |
| SMS Test | | | | | | | | |
| | Alarm Phone | 9 | Message to be s | sent | | | | |
| | Alarm (| Phone 1 | Device Stati | JS Toxt Channel | 1 🖱 Alarm Cl | ose Text - Channel | 1 Alarm Toxt Analog 1 | High |
| | © Alarm I | Phone 2 | Alarm Open | Text - Channel | 2 O Alarm Cl | ose Text - Channel | 2 Alarm Text - Analog 1 | High |
| | 🔘 Alarm I | Phone 3 | Alarm Open | Text - Channel | 3 O Alarm Cl | ose Text - Channel | 3 C Alarm Text - Analog 1 | Low |
| 4 | 🔘 Alarm I | Phone 4 | Alarm Open | Text - Channel | 4 O Alarm Cle | ose Text - Channel | 4 O Alarm Text - Analog 2 | Low |
| | 🔘 Alarm I | Phone 5 | 🔿 Alarm Open | Text - Channel | 5 🔘 Alarm Cl | ose Text - Channel | 5 🔘 Alarm Text - Low Volt | age |
| | 🔘 Alarm I | Phone 6 | 🔿 Alarm Open | Text - Channel | 6 O Alarm Cl | ose Text - Channel | 6 🔘 Manual Input: | |
| | O Alarm I | Phone 7 | 🔘 Alarm Open | Text - Channel | 7 O Alarm Cl | ose Text - Channel | 7 | |
| | 🔘 Alarm I | Phone 8 | 🔘 Alarm Open | Text - Channel | 8 🔘 Alarm Cl | ose Text - Channel | 8 | |

B) SMS Text Read

This is to read the configured SMS text from the device, in order to verify the setting.

- a) Selecting the channel
- b) Click Read button to read the alarm SMS text set from the device

a. Setting Digital Channel Alarm Text

| Channel 3: | 📡 Set | Set | 💓 Read |
|------------|-------|-----------|--------|
| Channel 4: | 🥥 Set | Set Fire! | 💓 Read |
| Channel 5: | 💓 Set | 🥥 Set | 💓 Read |

b. Reading Digital Channel Alarm Text

| Channel 3: | 🥥 Set | | Q. | Set | | <u>Q</u> | Read |
|------------|-------|--|----|-----|-------------------------------------|----------|------|
| Channel 4: | 💚 Set | >ST:013;T:10/09/2010,10:53;NP:ALARMINF | Q. | Set | >ST:013;T:10/09/2010,10:53;NC:Fire! | ۲ | Read |
| Channel 5: | 💚 Set | | Q. | Set | | Q. | Read |

a. Setting Analog Channel Alarm Text

| | Alert High | Alert High Text | Alert Low | Alert Low Text | |
|----------------|------------|---------------------------------------|-----------|---------------------------------------|--------|
| Temperature 1: | 💚 Set | AD1 temperature is too high! | 💓 Set | AD1 temperature is too low! | 💚 Read |
| Temperature 2: | 🔍 Set | H:ALARMAD2>ST:015;T:10/09/2010,17:56; | 💓 Set | L:ALARMAD2>ST:015;T:10/09/2010,17:56; | 💓 Read |

b. Reading Analog Channel Alarm Text

| | Alert High | Alert High Text | Alert Low | Alert Low Text | |
|----------------|------------|---|-----------|--|--------|
| Temperature 1: | 单 Set | AD1 temperature is too high!>ST:015;T:10, | 💓 Set | AD1 temperature is too low!>ST:015;T:10/ | 💓 Read |
| Temperature 2: | 🥥 Set | H:ALARMAD2>ST:015;T:10/09/2010,17:56; | 💓 Set | L:ALARMAD2>ST:015;T:10/09/2010,17:56; | 💓 Read |

Notes:

- [Read] command will display the SMS Alert Controller ID, date/time, voltage, and the alarm SMS text
- It is only necessary to input the alarm SMS text in the [Set] command, but no ID, date/time etc.

SMS Pro-S, SMS Pro-SX, GSMS-THR-SX

| Analog 1: | SMS Text will be sent when humidity is higher or lower than preset value |
|-----------|---|
| Analog 2: | SMS Text will be sent when temperature is higher or lower than preset value |

C) SMS Text Testing

This is to instruct the device sending the configured SMS text to alarm phone number for testing purpose.

- a) Selecting the alarm phone number, and alarm channel
- b) Click button to send the SMS alarm text of selected alarm channel to the selected

alarm phone number

c) "Manual Input" allows user to input any text message instead of preconfigured alarm text

| onnection Setu | | | | Read D | arameters | Command Success | 6 |
|--|---------------|------------|---|-------------|--------------------|---------------------------|-----------------------------|
| RS232 GSM Modem | Port: COM3 | • ØDisco | onnect 🌖 Connection: 006 | ▼ | 👷 #3 🔮 Ver | 🥥 Status 🛛 🥥 Batch | SMSPro Setu Version 2.2. |
| Device Setup | Alarm Setup | SMS Text | Phone Book Live Data B | Batch Setup | | | |
| SMS Text | Open Set | Alarm One | - Tout | Close Set | Alarm Class Tout | | |
| Channel 1: | Set | >ST:006:7 | 11ext 1:20/04/2011.02:56:NP:ALARMIN | Set | >ST:006:T:20/0 | 4/2011.02:56:NC:ALARMINI | Read |
| Channel 2: | Set | | | Set . | | | Read |
| Channel 3: | el 3: 🥥 Set 🗔 | | 1:20/04/2011.02:56:NP:Fire! | Set >S | >ST:006:T:20/0 | Read | |
| Channel 4: 🥥 Set | | | | Set | | | Read |
| Channel 5: | Set | >ST:006:7 | :20/04/2011.02:57:NP:ALARMIN | Set | >ST:006:T:20/0 | 4/2011.02:57:NC:Flood | Read |
| Channel 6: | Set | | | Set | | | Read |
| Channel 7: | Set | >ST:006;7 | :20/04/2011.02:58:NP:Open the | Set | >ST:006;T:20/0 | 4/2011.02:58;NC:Close the | Read |
| Channel 8: | Set | | | Set | - | | Read |
| | Alort High | Alort High | Foxt | Alort Low | Alort Low Toxt | | |
| Analog 1: | Set | High alarr | ST-006-T-20/04/2011 02-58-II | Set | | -006-T-20/04/2011 02-58- | Read |
| Analog 2: | Set Set | | D2>ST:006:T:20/04/2011.02:59: | G Set | Low alarminST: | 006·T·20/04/2011 02·59·IN | Read |
| Valtana | in cat | Velterer | | | | ADM | G Deed |
| voicage. | Set Set | voltage al | ami>S1:006;1:20/04/2011,03:00 | ;v:12.5;POW | ER UNDER LEVEL AI | LARM!. | Kedu |
| SMS Test | Alarm Phone | | Message to be sent | | | | |
| | | | 🔘 Device Status | | | | |
| | O Alarm F | hone 1 | 🔘 Alarm Open Text - Channel 1 | O Alarm Cl | ose Text - Channe | 1 🔘 Alarm Text - Analog 1 | High |
| | O Alarm F | hone 2 | O Alarm Open Text - Channel 2 | Alarm Cl | ose Text - Channel | 2 🔘 Alarm Text - Analog 2 | High |
| | O Alarm F | none 3 | Alarm Open Text - Channel 3 Alarm Open Text - Channel 3 | Alarm Cl | ose Text - Channel | 3 O Alarm Text - Analog 1 | Low |
| | Alarm F | hone 5 | Alarm Open Text - Channel 4 | Alarm Cl | ose Text - Channel | 5 Alarm Text - Low Volt | ade |
| | O Alarm F | hone 6 | Alarm Open Text - Channel 6 | Alarm Cl | ose Text - Channe | 6 Manual Input: | |
| | 🔘 Alarm F | hone 7 | O Alarm Open Text - Channel 7 | Alarm Cl | ose Text - Channe | 7 | |
| | 🔘 Alarm F | hone 8 | 🗇 Alarm Open Text - Channel 8 | Alarm Cl | ose Text - Channe | 8 | |

In the above example, the Channel 7 "Alarm Close Text" alarm SMS text will be sent to alarm phone 5 when the button is clicked.

() Alarm Phone 3 must be configured in the device setup tab in advance.

- D) Alarm SMS received by mobile phone
 - 1 Alarm Channel
 - Setup Software configures SMS Text as "Fire Test".
 - Message received by mobile phone will be :

> ST:000;T:21/08/2010, 09:36;NP: Fire Test

- 2 Analog Channel
 - Setup Software configures SMS Text as "High Temperature".
 - Message received by mobile phone will be:

High Temperature>ST:000;T:21/08/2010, 09:58;INPU AD2 ALARM!;A2:30.56.

18. Device Reset

It is used to reset all the parameters and password into default setting. Password in phone book should be reset to default setting manually.

| onnection Setup: | Read Parameters |
|---|--|
| | tion: 003 Ver Status Batch SMSPro Setu Version 2.2. |
| Device Setup Alarm Setup SMS Text Phone Book | Live Data Batch Setup |
| Device Properties | Alarm Phone Number |
| 🖉 Device ID: | Phone Number 1: Phone Number 5: |
| | Phone Number 2: Phone Number 6: |
| Password: Reset | Phone Number 3: Phone Number 7: |
| 🖉 Date/Time: | Phone Number 4: Phone Number 8: |
| 3SM Network Signal Strength: GSM Modem SIM Card GSM Network | Control Centre #2 [C2] |
| Module Status: | |
| arameter initialize Success | |
| | |

Press <Ctrl> key, and click [Init] button

19. Save Configuration in Batch

This is to allow user to read all the parameters from the device connected in one single button.

| Pood Do | amotore | | Cor | mmand Succ | ess 🌖 |
|----------|---------|--------|----------|------------|----------------|
| Read Par | ameters | | | | - I |
| 🌻 #1 | 💓 #3 | 🔍 Ver | Status 🖉 | 💓 Batch | SMSPro Setup |
| 🥥 #2 | 💓 #4 | 🎑 Init | 🥥 Clear | | Version 2.2.14 |

After completing the setup of each channel and other properties in previous sections, click [Batch] button to retrieve all the parameters from the device.

| onnection Setu RS232 GSM Modem | p: Port: COM3 🔻 🐓Di: | sconnect 🌖 Connection: 006 🔹 | Read Parameters Command Success # #1 # #3 Ver # #2 # #4 Init Ø #2 # #4 |
|--------------------------------------|-------------------------|------------------------------|--|
| Device Setup | Alarm Setup SMS Tex | xt Phone Book Live Data Bat | ch Setup |
| No. | Status | Object | Parameters |
| 01 | Ready | Station ID | SN:006 |
| 02 | Ready | New Password | NEWPWD:1234.1234 |
| 03 | Ready | Date / Time | TIME:1104200214 |
| ☑ 04 | Ready | Control Number 1 | CTR1:13632554182,03 |
| 05 | Ready | Control Number 2 | CTR2:15914098264,07 |
| ☑ 06 | Ready | Alarm Phone Number | ALMNU1:15989517901,2:+13570821429,3:0773798546,4: |
| 07 | Ready | Alarm 1 Value | ALMLEVEL1:0,00,0000000,000 |
| V 08 | Ready | Alarm 2 Value | ALMLEVEL2:1,10,10302010,101 |
| 09 | Ready | Alarm 3 Value | ALMLEVEL3:2,01,02030100,011 |
| V 10 | Ready | Alarm 4 Value | ALMLEVEL4:3,11,00102003,100 |
| 11 | Ready | Alarm 5 Value | ALMLEVEL5:0,00,00000000,000 |
| 12 | Ready | Alarm 6 Value | ALMLEVEL6:2,10,02001000,101 |
| 13 | Ready | Alarm 7 Value | ALMLEVEL7:3,01,00020030,010 |
| ☑ 14 | Ready | Alarm 8 Value | ALMLEVEL8:1,10,01002003,100 |
| 15 | Ready | Analog 1 | ADCOUT1:10,10020030,011 |
| ☑ 16 | Ready | Analog 2 | ADCOUT2:01,02001003,101 |
| 17 | Ready | Power Low Alarm | ADCOUT0:11,00100302,010 |
| V 18 | Ready | Analog 1 Value | ADVALE1:4.000,1.000,2.000,4,50.00,0.900 |
| 19 | Ready | Analog 2 Value | ADVALE2:6.000,2.000,1.000,1,40.00,-1.00 |
| 20 | Ready | Value of Power Low Alarm | POWVL:9.000 |
| 21 | Ready | Relay 1 Delay | OUT1DLAY:0010 |
| 22 | Ready | Relay 2 Delay | OUT2DLAY:0020 |
| 23 | Ready | Relay 3 Delay | OUT3DLAY:0030 |
| 24 | Ready | Channel 3 Open Alarm Text | ALM3T0XT:Fire! |
| 25 | Ready | Channel 7 Open Alarm Text | ALM7T0XT:Open the window! |
| 26 | Ready | Analog Channel 1 Alarm Text | ACH1TEXT:High alarm! |
| 27 | Ready | Send Message | SENDMS2:09,Input!! |
| File | Select All | Deselect All Buffer Clear | Auto Device ID Batch Setup |

Click [Select All]

| onnection Setu | p: | | Read Parameters |
|----------------|-----------------|--------------------------------|---|
| GSM Modem | Port: COM3 🔹 | Disconnect 🌖 Connection: 006 🔻 | Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status Image: Weight of the status |
| Device Setup | Alarm Setup SMS | Text Phone Book Live Data Bat | ch Setup |
| No. | Status | Object | Parameters |
| 01 | Ready | Station ID | SN:006 |
| 02 | Ready | New Password | NEWPWD:1234,1234 |
| 03 | Ready | Date / Time | TIME:1104200214 |
| ☑ 04 | Ready | Control Number 1 | CTR1:13632554182,03 |
| 05 | Ready | Control Number 2 | CTR2:15914098264,07 |
| V 06 | Ready | Alarm Phone Number | ALMNU1:15989517901,2:+13570821429,3:0773798546,4: |
| 07 | Ready | Alarm 1 Value | ALMLEVEL1:0,00,0000000,000 |
| V 08 | Ready | Alarm 2 Value | ALMLEVEL2:1,10,10302010,101 |
| 09 | Ready | Alarm 3 Value | ALMLEVEL3:2,01,02030100,011 |
| V 10 | Ready | Alarm 4 Value | ALMLEVEL4:3,11,00102003,100 |
| 11 | Ready | Alarm 5 Value | ALMLEVEL5:0,00,0000000,000 |
| ▼ 12 | Ready | Alarm 6 Value | ALMLEVEL6:2,10,02001000,101 |
| 13 | Ready | Alarm 7 Value | ALMLEVEL7:3,01,00020030,010 |
| V 14 | Ready | Alarm 8 Value | ALMLEVEL8:1,10,01002003,100 |
| 15 | Ready | Analog 1 | ADCOUT1:10,10020030,011 |
| ▼ 16 | Ready | Analog 2 | ADCOUT2:01,02001003,101 |
| 17 | Ready | Power Low Alarm | ADCOUT0:11,00100302,010 |
| V 18 | Ready | Analog 1 Value | ADVALE1:4.000,1.000,2.000,4,50.00,0.900 |
| 1 9 | Ready | Analog 2 Value | ADVALE2:6.000,2.000,1.000,1,40.00,-1.00 |
| ☑ 20 | Ready | Value of Power Low Alarm | POWVL:9.000 |
| 21 | Ready | Relay 1 Delay | OUT1DLAY:0010 |
| 22 | Ready | Relay 2 Delay | OUT2DLAY:0020 |
| 23 | Ready | Relay 3 Delay | OUT3DLAY:0030 |
| ☑ 24 | Ready | Channel 3 Open Alarm Text | ALM3T0XT:Fire! |
| 25 | Ready | Channel 7 Open Alarm Text | ALM7T0XT:Open the window! |
| 26 | Ready | Analog Channel 1 Alarm Text | ACH1TEXT:High alarm! |
| 27 | Ready | Send Message | SENDMS2:09,Input!! |
| File | Select All | Deselect All Buffer Clear | Auto Device ID Batch Setup |

Right click the [File] button, and select "Save Configure File"

| Save As Save in: Recent Places | SMSPro_Se | Up. Save Configure File | Ready Ready ile e e e ect All | D | Channel 4 Close Alarm Text DISARM eselect All Buffer Clear |
|--------------------------------------|-----------------------------|----------------------------------|---|----------------|--|
| Desktop Libraries Computer | 4 | | | | Select the folder path |
| Network | File name: Save as type: | SMSPro_Setup cfg Files(*.cfg) | • | Save Cancel | |

The configuration parameters will be saved in "SMSPro_Setup.cfg" file

20. Batch Setup

This is to allow user to open the saved configuration file, and setup all the parameters to other devices just by one single button.

| Copen Look in: | SMSPro_Setup_05 Name SMSPro_Setup.cfg | 31 | Open Configure Save Configure | File | rect All | Deselect All | Buffer Clear |
|----------------------------------|--|-----------------------------------|----------------------------------|----------------|---|--|------------------------|
| Desktop Libraries Computer | | | | | Connect new Complete th Open the co | w device to PC ne connection p onfiguration file | COM port procedures |
| Network | Image: File name: SM: Files of type: cfg | III }Pro_Setup Files(*.cfg) | • | Open Cancel | | | |

All parameters will be retrieved and displayed as below.

| onnection Setu RS232 GSM Moden | Ip: Port: COM3 | Disconnect 🥑 Connection: 006 🔹 | Command Success Read Parameters SMSPro # #1 # #3 Ver Status Batch # #2 # #4 Init Clear Version | Setu 2.2 |
|--------------------------------------|-------------------|-----------------------------------|--|-------------|
| Device Setup | Alarm Setup SMS | Text Phone Book Live Data Bat | | |
| No. | Status | Object | Parameters | _^^ |
| 01 | Ready | Station ID | SN:006 | |
| ☑ 02 | Ready | New Password | NEWPWD:1234,1234 | |
| 03 | Ready | Date / Time | TIME:1104200214 | |
| ☑ 04 | Ready | Control Number 1 | CTR1:13632554182,03 | |
| 05 | Ready | Control Number 2 | CTR2:15914098264,07 | |
| ☑ 06 | Ready | Alarm Phone Number | ALMNU1:15989517901,2:+13570821429,3:0773798546,4: | 10 |
| 07 | Ready | Alarm 1 Value | ALMLEVEL1:0,00,00000000,000 | |
| V 08 | Ready | Alarm 2 Value | ALMLEVEL2:1,10,10302010,101 | |
| V 09 | Ready | Alarm 3 Value | ALMLEVEL3:2,01,02030100,011 | |
| ✓ 10 | Ready | Alarm 4 Value | ALMLEVEL4:3,11,00102003,100 | |
| V 11 | Ready | Alarm 5 Value | ALMLEVEL5:0,00,00000000,000 | |
| ☑ 12 | Ready | Alarm 6 Value | ALMLEVEL6:2,10,02001000,101 | |
| V 13 | Ready | Alarm 7 Value | ALMLEVEL7:3,01,00020030,010 | |
| ✓ 14 | Ready | Alarm 8 Value | ALMLEVEL8:1,10,01002003,100 | |
| ▼ 15 | Ready | Analog 1 | ADCOUT1:10,10020030,011 | |
| ☑ 16 | Ready | Analog 2 | ADCOUT2:01,02001003,101 | |
| 17 | Ready | Power Low Alarm | ADCOUT0:11,00100302,010 | |
| ✓ 18 | Ready | Analog 1 Value | ADVALE1:4.000,1.000,2.000,4,50.00,0.900 | |
| V 19 | Ready | Analog 2 Value | ADVALE2:6.000,2.000,1.000,1,40.00,-1.00 | |
| ☑ 20 | Ready | Value of Power Low Alarm | POWVL:9.000 | |
| 21 | Ready | Relay 1 Delay | OUT1DLAY:0010 | |
| 22 | Ready | Relay 2 Delay | OUT2DLAY:0020 | |
| 23 | Ready | Relay 3 Delay | OUT3DLAY:0030 | |
| ☑ 24 | Ready | Channel 3 Open Alarm Text | ALM3T0XT:Fire! | |
| 25 | Ready | Channel 7 Open Alarm Text | ALM7T0XT:Open the window! | |
| 26 | Ready | Analog Channel 1 Alarm Text | ACH1TEXT:High alarm! | |
| | Roady | Send Message | SENDMS2:09 InputII | - |

Click [Select All]

Or selective parameters can be clicked

| onnection Setu RS232 GSM Modem | p: Port: COM3 🔹 🐓 🛛 | Disconnect 🌖 Connection: 006 🔹 | Read Parameters Command Success Image: Command Success Image: |
|--------------------------------------|------------------------|--------------------------------|---|
| Device Setup | Alarm Setup SMS T | ext Phone Book Live Data Bate | ch Setup |
| No. | Status | Object | Parameters |
| 01 | Ready | Station ID | SN:006 |
| ☑ 02 | Ready | New Password | NEWPWD:1234,1234 |
| 03 | Ready | Date / Time | TIME:1104200214 |
| ☑ 04 | Ready | Control Number 1 | CTR1:13632554182,03 |
| 05 | Ready | Control Number 2 | CTR2:15914098264,07 |
| 06 | Ready | Alarm Phone Number | ALMNU1:15989517901,2:+13570821429,3:0773798546,4: |
| 07 | Ready | Alarm 1 Value | ALMLEVEL1:0,00,0000000,000 |
| ☑ 08 | Ready | Alarm 2 Value | ALMLEVEL2:1,10,10302010,101 |
| 09 | Ready | Alarm 3 Value | ALMLEVEL3:2,01,02030100,011 |
| V 10 | Ready | Alarm 4 Value | ALMLEVEL4:3,11,00102003,100 |
| V 11 | Ready | Alarm 5 Value | ALMLEVEL5:0,00,0000000,000 |
| ☑ 12 | Ready | Alarm 6 Value | ALMLEVEL6:2,10,02001000,101 |
| 13 | Ready | Alarm 7 Value | ALMLEVEL7:3,01,00020030,010 |
| ☑ 14 | Ready | Alarm 8 Value | ALMLEVEL8:1,10,01002003,100 |
| 15 | Ready | Analog 1 | ADCOUT1:10,10020030,011 |
| 16 | Ready | Analog 2 | ADCOUT2:01,02001003,101 |
| 17 | Ready | Power Low Alarm | ADCOUT0:11,00100302,010 |
| 18 | Ready | Analog 1 Value | ADVALE1:4.000,1.000,2.000,4,50.00,0.900 |
| 19 | Ready | Analog 2 Value | ADVALE2:6.000,2.000,1.000,1,40.00,-1.00 |
| 20 | Ready | Value of Power Low Alarm | POWVL:9.000 |
| 21 | Ready | Relay 1 Delay | OUT1DLAY:0010 |
| 22 | Ready | Relay 2 Delay | OUT2DLAY:0020 |
| 23 | Ready | Relay 3 Delay | OUT3DLAY:0030 |
| 24 | Ready | Channel 3 Open Alarm Text | ALM3T0XT:Fire! |
| 25 | Ready | Channel 7 Open Alarm Text | ALM7T0XT:Open the window! |
| 26 | Ready | Analog Channel 1 Alarm Text | ACH1TEXT:High alarm! |
| 27 | Ready | Send Message | SENDMS2:09,Input!! |
| File | Select All | Deselect All Buffer Clear | Auto Device ID Batch Setup |

Click [Auto Device ID], it will configure the device ID in sequential number automatically.

| Auto Device ID | Batch Setup |
|----------------|-------------|
| | |

Click [Batch Set]

It will start to setup the selected parameters to new devices automatically.

Each parameter will be configured into the device one by one, and status will be displayed.

| onnection Setur |): | Stop 30 | Read Parameters | Command in pro | ogress 🌘 |
|-----------------|----------------------|-----------------------------|---|-----------------------|-----------------------------|
| RS232 GSM Modem | Port: COM3 🔻 🏈 Disc | connect 🍝 Connection: 006 🔻 | Image: #1 Image: #3 Image: Wer Image: #2 Image: #4 Image: Mathematical Ma | Status Status Batch | SMSPro Setu Version 2.2. |
| Device Setup | Alarm Setup SMS Text | Phone Book Live Data Bate | h Setup | | |
| No. | Status | Object | Parameters | | |
| 01 | Command Success | Station ID | SN:007 | | |
| ▼ 02 | Command Success | New Password | NEWPWD:1234,1234 | | |
| 03 | Command Success | Date / Time | TIME:1104200214 | | |
| ▼ 04 | Command Success | Control Number 1 | CTR1:13632554182.03 | | |
| 05 | Command Success | Control Number 2 | CTR2:15914098264.07 | | |
| ✓ 06 | Command Success | Alarm Phone Number | ALMNU1:15989517901.2 | 2:+13570821429.3:0773 | 3798546.4: |
| 07 | Command Success | Alarm 1 Value | ALMLEVEL1:0,00,00000 | 000,000 | |
| V 08 | Command Success | Alarm 2 Value | ALMLEVEL2:1,10,103020 | 10,101 | |
| ☑ 09 | Command Success | Alarm 3 Value | ALMLEVEL3:2,01,020301 | .00,011 | E |
| ☑ 10 | Command Success | Alarm 4 Value | ALMLEVEL4:3,11,001020 | 03,100 | |
| ☑ 11 | Command Success | Alarm 5 Value | ALMLEVEL5:0,00,00000 | 000,000 | |
| ☑ 12 | Command Sending | Alarm 6 Value | ALMLEVEL6:2,10,020010 | 00,101 | |
| ▼ 13 | Ready | Alarm 7 Value | ALMLEVEL7:3,01,000200 | 30,010 | |
| ☑ 14 | Ready | Alarm 8 Value | ALMLEVEL8:1,10,010020 | 03,100 | |
| 15 | Ready | Analog 1 | ADCOUT1:10,10020030, | 011 | |
| ☑ 16 | Ready | Analog 2 | ADCOUT2:01,02001003, | 101 | |
| 17 | Ready | Power Low Alarm | ADCOUT0:11,00100302, | 010 | |
| V 18 | Ready | Analog 1 Value | ADVALE1:4.000,1.000,2. | 000,4,50.00,0.900 | |
| V 19 | Ready | Analog 2 Value | ADVALE2:6.000,2.000,1. | 000,1,40.00,-1.00 | |
| 20 | Ready | Value of Power Low Alarm | POWVL:9.000 | | |
| 21 | Ready | Relay 1 Delay | OUT1DLAY:0010 | | |
| 22 | Ready | Relay 2 Delay | OUT2DLAY:0020 | | |
| 23 | Ready | Relay 3 Delay | OUT3DLAY:0030 | | |
| ☑ 24 | Ready | Channel 3 Open Alarm Text | ALM3T0XT:Fire! | | |
| 25 | Ready | Channel 7 Open Alarm Text | ALM7T0XT:Open the win | dow! | |
| 26 | Ready | Analog Channel 1 Alarm Text | ACH1TEXT:High alarm! | | |
| 27 | Ready | Send Message | SENDMS2:09,Input!! | | * |
| File | Select All | Deselect All Buffer Clear | | Auto Device ID | Batch Setup |

It may take some time to complete all the parameters setting.

"Command Success" indicates all parameters configuration is completed.

| | -Read Pa | rameters | | Cor | mmand Succ | cess 🌖 |
|----------|----------|------------|--------|---------|------------|----------------|
| _ | #1 | # 3 | 🔍 Ver | Status | 💭 Batch | SMSPro Setup |
| | 💓 #2 | 🚅 #4 | 🎑 Init | 🥥 Clear | | Version 2.2.14 |
| Batch | n Setup | | | | | |

21. Remote Setup via GSM Modem



- Connect the GSM Modem with "Direct Link Serial Cable", select [GSM Modem] and COM port
- Click [Connect] button, green LED indicates the successful connection

| onnection Setup: | Read Parameters |
|---|---|
| © R5232 ■ GSM Modem Port: COM3 ▼ 👾 Connect ● Connec | ction: 006 • 9 #1 9 #3 9 Ver 9 Status 9 M test SMSPro S |
| Device Setup Alarm Setup SMS Text Phone Book | Live Data Batch Setun |
| Device Properties | Alarm Phone Number |
| | Phone Number 5: |
| Device ID: | Phone Number 1: |
| | Phone Number 2: |
| Password: Reset | Phone Number 3: Phone Number 7: |
| 👰 Date/Time: 📃 | Phone Number 4: Phone Number 8: |
| 🗭 💿 Arm 💿 Disarm | Phone Number SMS Opload Inter |
| GSM Network | Control Centre #1 [C1] |
| GSM Network Signal Strength: | Control Centre #1 [C1] |
| GSM Network Signal Strength: GSM Modem SIM Card GSM Network | Control Centre #1 [C1] |
| GSM Network Signal Strength: Module Status: | Control Centre #1 [C1] |
| GSM Network Signal Strength: Module Status: | Control Centre #1 [C1] |
| GSM Network Signal Strength: GSM Modem SIM Card GSM Network Module Status: | Control Centre #1 [C1] |
| GSM Network Signal Strength: GSM Modem SIM Card GSM Network Module Status: | Control Centre #1 [C1] |
| GSM Network Signal Strength: Module Status: | Control Centre #1 [C1] Control Centre #2 [C2] |
| GSM Network Signal Strength: GSM Modem SIM Card GSM Network Module Status: | Control Centre #1 [C1] |

• Select Connection No. which should be preset in phone book.

| 🏦 GSMS-THR-X / SN | IS Pro-X | | | |
|--|---------------------------------|--------------|-----------------|----------|
| Connection Set © RS232 ම GSM Model | up: Port: COM4 v m | Disconnect 🌖 | Connection: 013 | _ |

Note: GSM Modem GS300 is purchased separately.

- Click button [#1], "Command in Progress" will be displayed.
- Since command is sent by GSM modem to SMS Alert Controller by SMS, progress time will be longer than local setup via RS232 port.
- Once completed, "Command Success" will be displayed and parameters will be listed and displayed.
- This feature is mainly for setup modification after site installation.

| onnection Set | | | | | | and Do | ramotore | | Co | mmand Su | ccess | 9 |
|--|-------------|------------|------------|-----------|----------|----------|----------|----------|----------------------|----------|----------------------------|---------------------|
| RS232 GSM Moder | Port: COM4 | Disconnec | t 🌖 Connec | tion: 004 | - | | #3 #4 | 💓 Ver | 😡 Status 😡 Clear | 💓 M test | SMSPr Versio | o Setur on 2.2.1 |
| Device Setup | Alarm Setup | SMS Text P | hone Book | Live Data | Batch 9 | Setup | | | | | | |
| Device Proper | ties | | | Alarm Pho | one Numb | er | | | | | | |
| | Device ID: | 000 | | Pho | one Numb | er 1: | | 1 | Phone Nu Phone Nu | mber 5: | | |
| | Password: | - | Reset | Pho | one Numb | er 3: | | | Phone Nu | mber 7: | | |
| | Date/Time: | 1001080808 | | Pho | one Numb | er 4: | | | Phone Nu | nber 8: | | |
| GSM Network | Arm | 🔘 Disarm | | ġ. | Contr | ol Centr | e #1[C1 | Ph .] | ione Numbe | er S | SMS Upload Ir NO Upload | nterval • |
| Signal Streng Module Statu | GSM Modem | SIM Card G | SM Network | ¥. | Contr | ol Centr | e #2 [C2 | 2] | | | NO Upload | • |

22. GSM Modem Check

• Click [M Test] button to test the GSM Modem

| Command Success Connection Setup: R5232 GSM Modem Port: COM4 GSM Modem SMS Text Phone Book Live Data Batch Setup Harm Setup Device Properties Alarm Phone Number Phone Number 1: Phone Number 5: Phone Number 2: Phone Number 6: Phone Number 3: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 8: Device Arm/Disarm Control Centre @ Arm Disarm Obisarm Control Centre #1 [C1] | SMSPro Se Version 2. |
|--|-------------------------|
| Device Setup Alarm Setup SMS Text Phone Book Live Data Batch Setup Device Properties Alarm Phone Number Phone Number 1: Phone Number 5: Phone Number 5: Password: Password: Reset Phone Number 2: Phone Number 7: Date/Time: 1001080808 Phone Number 4: Phone Number 8: Device Arm/Disarm © Arm © Disarm Control Centre #1 [C1] Phone Number GSM Network SMS Live Zama Control Centre #1 [C1] Mone Number SMS Uploa | |
| Device Properties Alarm Phone Number Device ID: 000 Password: Reset Password: Reset Date/Time: 1001080808 Dotec Arm/Disarm Obiarm OSM Network Disarm | |
| Pevice ID: 000 Password: Reset Password: Reset Date/Time: 1001080808 Phone Number 3: Phone Number 3: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 6: Phone Number 7: Phone Number 6: Phone Number 7: Phone Number 7: Phone Number 6: Phone Number 7: Phone Number 7: Phone Number 6: Phone Number 7: Phone N | |
| Password: Reset Date/Time: 1001080808 Phone Number 3: Phone Number 7: Phone Number 4: Phone Number 4: Phone Number 5: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 8: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 4: Phone Number 6: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Number 4: Phone Number 7: Phone Number 4: Phone Number 6: Phone Number 7: Phone Numbe | |
| Date/Time: 1001080808 Device Arm/Disarm Control Centre Image: Control Centre Phone Number 4: Image: Control Centre Phone Number 4: Image: Control Centre Phone Number 5MS Uploa Image: Control Centre Image: Control Centre | |
| Image: Date/Time: 1001080808 Image: Date/Time: Phone Number 4: Image: Date/Time: Phone Number 5: Device Arm/Disarm Image: Date/Time: Disarm Control Centre Phone Number 5: Image: Image: Date/Time: Dat | |
| Device Arm/Disarm Control Centre #1 [C1] | |
| | load Interv |
| Signal Strength: GSM Modem SIM Card GSM Network Module Status: | oad 🗸 |

• Click [M ver] button to check the version of GSM Modem

| Device Setur | Alarm Setup | SMS Text | Phone Book | Live Data | Batch Setup | | | | |
|---|--|---|---|--------------------------------------|----------------------------------|--------------------------------|--|-----------------------------------|------------|
| Device Prop | erties | of io force | Those book | Alarm Pho | ne Number | | | | |
| <u>\$</u> | Device ID: | 000 | | Pho | ne Number 1: | | Phone Number 5: Phone Number 6: | | 3 |
| | Password: | | Reset | Pho | ne Number 3: | | Phone Number 7: | | |
| <i>9</i> | Date/Time: | 1001080808 | | Pho | ne Number 4: | | Phone Number 8: | | |
| Device Arm/I | Disarm | | | Control Ce | entre | | | | |
| | Arm | 🔘 Disar | m | | Control Cent | re #1[C1] | Phone Number | SMS Upload In | terva • |
| GSM Networ | k | | | | | | | | |
| Signal Strer | GSM Modem | SIM Card | GSM Network | ġ. | Control Cent | re #2 [C2] | | NO Upload | • |
| Module Sta | (us: | 9 | 6 | | | | | | |
| T:000;T:201 T:000;VL:7. T:000;K1:1. | 10/01/08/08/08;H:1 00,0:00,00000000, 0:00,000000000,00 : success! | ;F1:,00;F2:,00 000;A1M:5.00();K2:1,O:00,00 | ;XH:22;ER:000; 0,0.000,1.000,0 0000000,000;K3 | # ,5.000,0.500,0 8:1,0:00,0000 | 0:00,00000000, 0000,000;K4:1, | 000;A2M:5.000 D:00,00000000 | ,0.000,1.000,0,5.000,0 ,000;K5:1,O:00,00000 | .000,0:00,0000 000,000;K6:1,O: | 0000 |

23. Technical Support

Always report the Product Key SN when contact with our technical support.

Mouse Right Click the main menu bar.

| Device Properties x Close Alt+F4 Ø Device ID: Phone Number 1: Ø Password: Phone Number 2: Ø Date/Time: Phone Number 3: Device Arm/Disarm Control Centre | Phone Number 5: Phone Number 6: Phone Number 7: |
|---|---|
| About SMSPro Setup Phone Number 1: Phone Number 2: Password: Date/Time: Date/Time: Device Arm/Disarm Control Centre | Phone Number 5: Phone Number 6: Phone Number 7: |
| Phone Number 2: Password: Date/Time: Date/Time: Phone Number 3: Phone Number 3: Phone Number 4: Control Centre | Phone Number 6: Phone Number 7: |
| Date/Time: Phone Number 4: Phone Number 4: Device Arm/Disarm Control Centre | |
| Device Arm/Disarm Control Centre | Phone Number 8: |
| GSM Network | Phone Number SMS Upload Interva |
| Signal Strength: GSM Modem SIM Card GSM Network Module Status: | |

| About SN | MSPro Setup | x |
|----------|---|----|
| FC | SMSPro Setup Version 2.2.14 Copyright (C) 2010 | ОК |

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