SMS Alarm Messenger

Setup Software Guide



SMSPro_Setup

Revision 090210 [Version 2.2]

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1. How to setup SMS Alarm Messenger?

There are three different ways of setting up the SMS Alarm Messenger.

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

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



- b. Via 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. Via RS232 Cable 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

🏭 SMSPro Setup																		
										-	Co	ommand S	tatus	: Command	d Suc	cess		6
RS232	eup:									Para	amet # 1	ers	a	tuit di chu	-	a.		MSDro Setun
O GSM Mode	em Port: COM	V1 🔽	💭 Disconne	ct 🌖	Num	ber ID:	00	1		 S 	#1 #2	Ver		llear 🎯 Mi	Test	Sec. Int V	rer s	version 1.1.3
	2											-m	-77-					10151011 11110
Device Setup	Alarm Setup	SMS Text	Phone Boo	k Liv	/e Data	1												
Alarm Chann	el Configurat	ion																
	(Alarm Typ	8	_	Cont	rol CTR	P	hone1		Phone2		Phone3	_	Phone4		Relay1	Relay	2 Relay3
¥	Alarm 1:	NO (Close	e Triggered)	*				Vone	*	None	~	None	~	None	~			
<u></u>	Alarm 2:	NO (Close	e Triggered)	*				Vone	~	None	*	None	~	None	~			
<u></u>	Alarm 3:	NO (Close	e Triggered)	*				Vone	~	None	~	None	~	None	~			
<u>.</u>	Alarm 4:	NO (Close	e Triggered)	*				Vone	~	None	~	None	~	None	~			
	Alarm 5:	NO (Close	e Triggered)	*				Vone	~	None	*	None	~	None	~			
<i>.</i>	Alarm 6:	NO (Close	e Triggered)	*				Vone	*	None	*	None	~	None	~			
	Alarm 7:	NO (Close	e Triggered)	*				Vone	~	None	~	None	~	None	~			
	Alarm 8:	NO (Close	e Triggered)	~				None	*	None	*	None	~	None	•			
<u>Q</u>	Analog 1:						[None	~	None	~	None	~	None	~			
<i>.</i>	Analog 2:							Vone	~	None	~	None	~	None	~			
	Voltage Al	ert:					[None	~	None	~	None	~	None	~			
Analog Char	inel	Oper	ation Mode			Rance		Start 2	?ero	Alert Hi	ah	Alert Lov	v	Low Voltag	ge Ale	ert Monif	tor	
	Analog 1:	Disa	ble		*	5.000	_	1.000		5.000		0.500		0	4	Alert Lim	it: 7.	00 (V)
	Analog 2:	Disa	ble		~	5.000		1.000		5.000		0.000						
Relay Contro	ol=																	
										Time La	pse((seconds)						
	Relay 1:	<u>.</u>	ON		OFF					0000								
	Relay 2:	9	ON		OFF			<u>.</u>		0000								
	Relay 3:		ON		OFF					0000								

2. Install the "SMSPro_Setup" software

Run SMSPro_Setup, and follow the instructions

🗑 SMSProSetup version 1.	1.4 Setup	
	Welcome to the SMSProSetup version 1.1.4 Setup Wizard This wizard will guide you through the installation of SMSProSetup version 1.1.4. 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.	
1 A	😽 SMSProSetup version 1.1.4 Setup	×
	Choose Install Location Choose the folder in which to install SMSProSetup version 1.1.4.	
	Setup will install SMSProSetup version 1.1.4 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.	
	Destination Folder C:\Program Files\SMSPro\SMSPro Setup Browse Space required: 556.0KB Space available: 10.9GB Nullsoft Install System v2.29	_
🗑 SMSProSetup version 1.	I.4 Setup Cancel	J
	Completing the SMSProSetup version 1.1.4 Setup Wizard SMSProSetup version 1.1.4 has been installed on your computer. Click Finish to close this wizard. VRun SMSProSetup version 1.1.4	
	< Back Einish Cancel	

3. Connection Type

Connection

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

🖁 SMSPro Setup								
Connection Setu © R5232 © GSM Moder	up: Port: ▼ COM1 COM2	🔵 Connect	Number ID:	~	Parameters #1 #3 #2 Ver	🧭 Init 👹 💭 Clear 💭	Status 🖼 M ver M Test	SMSPro Setup version 1.1.3
Device Setup A	arm Set COM3 cOM4 ties COM4 COM5 COM6 COM7 COM8 SMSP COM9 COM10 COM11 Passy COM12 COM13 COM14 Date/ COM15 COM16	t Phone Book	Live Data	Alarm Ph	one Number Phon Phon Phon Phon	e Number 1: e Number 2: e Number 3: e Number 4:		
Control Centre	9			Arm/Disa	rm			
9	Control Centre Nur SMS Upload Interv	mber 1	•	ġ	⊖ Ar	m	O Disarm	
ġ	Control Centre Nur SMS Upload Interv	mber 2	v	Network Signal	Strength: (
	SMSPro Setup	SMSPro Setup Connection Setup: RS232 O GSM Modem COM2 COM3 COM4 COM4 COM4 COM4 COM4 COM4 COM4 COM5 COM6 COM7 COM6 COM10 COM	Connection Setup: Connection Setup: Consection	SMSPro Setup Connection Setup: O R5232 O GSM Modem COM1 COM2 COM4 COM5 COM4 COM5 COM6 COM7 COM1 PassvCOM12 COM14 Date/COM15 COM15 COM14 COM15 COM16 COM1 COM14 COM14 COM15 COM14 COM14 COM15 COM15 COM16 COM1 COM14 COM15 COM16 COM1 COM14 COM14 COM15 COM14 COM15 COM1	SMSPro Setup Connection Setup: O R5232 O GSM Modem COM1 COM1 COM1 COM4 COM5 COM6 COM7 COM1 COM10 COM11 Passv COM12 COM14 Date/COM15 COM16 COM15 COM16 COm10 COM14 COM14 COM14 COM15 COM16	SMSPro Setup Connection Setup: RS232 OGSM Modem COM1 COM2 COM3 E Phone Book Live Data Device Properties COM5 COM4 E Phone Book Live Data Device Properties COM5 COM7 COM9 COM10 COM1 Phor COM11 Passv COM12 COM14 COM15 COM15 COM15 COM15 COM15 COM15 COM15 COM16 COM16 COM16 COM16 COM16 COM17	SMSPro Setup Connection Setup: Parameters # 1 # 3 Init # 2 Ver Clear # 2 Ver Clear # 2 Ver	SMSPro Setup Connection Setup: Connect O R5232 O GSM Modem COM COM Device Setup Alam Set COM Setup Alam Set Setup Alam Setup A

• 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 Alarm Messenger physically.



4. Connection Port & Cable

Connection Port

• please check which COM port is connected to the GSM Modem or SMS Alarm Messenger physically

📙 Computer Management	
📃 File Action View Window H	elp
	3
Computer Management (Local) Computer Management (Local) Computer Tools Computer Shared Folders Computer Shared Folders Computer Viewer Computer Storage Computer Management Computer Storage Comp	EASEMIND-3CD75D Image: Second stress Image: Second stress

Connection Cable

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



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



5. Quick Start Up

- Connect the RS232 Cable or GSM Modem, select [Connection Type] and [COM Port]
- Click [Connect] button, green LED indicates the successful connection
- Add a new device in [Phone Book] tab



- In [Device Setup] tab, select the [Number ID], and Click [Ver] button.
- If its version is shown on the bottom, the device works properly

🔒 SMSPro Setup	
Connection Setup: O RS232 Port: COM1 V Disconnect O Number ID: 001	Command Status: Command Success Parameters #1 #1 #2 Init Status M ver SMSPro Setup version 1.1.3
Device Setup Alarm Setup SMS Text Phone Book Live Data	
SMSPro ID: Password:	Phone Number 1:
Date/Time:	Phone Number 4:
Control Centre	Arm/Disarm
Control Centre Number 1	Arm O Disarm
Control Centre Number 2 SMS Upload Interval	Network Signal Strength:
SD41 V5.1_3_B 2008/01/28	
	X

6. GSM Modem Check

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

🏭 SMSPro Setup		
Connection Se O RS232 O GSM Mode	tup: port: COM1 🕑 👾 Disconnect 🌒 Number ID: 005	Command Status: Command Success Parameters # #1
Device Setup	Alarm Setup SMS Text Phone Book Live Data rties SMSPro ID: Password: Date/Time:	Alarm Phone Number Phone Number 1: Phone Number 2: Phone Number 3: Phone Number 4:
Control Cent	re Control Centre Number 1	Arm/Disarm
Ŷ	Control Centre Number 2 SMS Upload Interval	Network Signal Strength:
SM300_B V5.	1 2008/06/15	

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

🏭 SMSPro Setup	
<	Command Status: Command Success 6
O R5232 O GSM Modem Port: COM1 V Disconnect Number ID: 005	V #1 #3 Init Status Myer SMSPro Setup #2 Ver Clear M Test version 1.1.3
Device Setup Alarm Setup SMS Text Phone Book Live Data	
Device Properties	Alarm Phone Number
SMSPro ID:	Phone Number 1:
Password:	Phone Number 3:
Date/Time:	Phone Number 4:
Control Centre	Arm/Disarm
Control Centre Number 1 SMS Upload Interval	🖉 🔿 Arm 🔿 Disarm
Control Centre Number 2	Network
SMS Upload Interval	Jigna Strength.
SM300_B V5.1 2008/06/15 AT+BJTE Test success!	

7. Phone Book

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

Number ID: 0001

(Sequential number in phone book, but not related to SMS Pro ID number)

Phone Number: phone number of SIM Card installed in the SMS Pro

Password: 1234 (by default)

o contribuoni	Y 👾 Coni	nect 🌒 Number ID	#1 #3 Init Status M ver	SMSPro Set		
ico Sotup Alarm Sotup SM	Tout Phone F	JOOK Live Data		VEISION		
Imber ID Phone	Number	Password				
06 1376	0251235	1234	🏈 Add 🜻 Edit 🔮 Delete			
Number ID	Phone	Number	Password			
06	13760	251235	1234			
105	13760	251235	1234			
104	13760	251235	1234			
103	13760	251235	1234			
102	13760	251235	1234			
101	15914	183549	1234			

- "Password" of SMS Alarm Messenger in phonebook must match its internal passwords.
- Once the properties are modified in [Device Setup] page, the database of Phone Book should be updated manually.
- Whenever SMS Alarm Messenger internal password is modified, the corresponding password in the phonebook must be updated manually at the same time.
- Number ID is for database reference only, and not related to the SMS Pro ID (Station ID) internally stored in SMS Alarm Messenger.

8. Reading Internal Parameters

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

- Current configuration
- Current health status
- SMS text message associated with each alarm

Detail of each parameter# check can be found on operation manual SMS Alarm Messenger Manual.

Click the buttons for corresponding parameters:

<u>Button</u>	<u>Command</u>
#1	Parameter#1 Check
#2	Parameter#1 Check
#3	Parameter#3 Check
Status	SMS Pro Live Status
Ver	Version Check
#Init	Device Reset
Clear	Clear the information displayed

a) Click "#1" button, the Device Properties Setting will be displayed as below.

SMSPro Setup						
- Connection Se	tun:		Com	mand Status: Comma 's	nd Success	
⊙ RS232 ○ GSM Mode	Port: COM1 💌 🐓 Di em	sconnect 🌖 Number ID: 001	✓ #1	#3 🔮 Init 🔮 9 Ver 🔮 Clear 🔮 1	Status 🛛 单 M ver M Test	SMSPro Setup version 1.1.3
Device Setup	Alarm Setup SMS Text Pho	ne Book Live Data				
Device Prope	erties		Alarm Phone Number			
	SMSPro ID:	116		Phone Number 1:	13760251235	
a	Deceword:			Phone Number 2:	15914183549	
*	Password.			Phone Number 3:		
	Date/Time:	0812290934		Phone Number 4:		
Control Cent	re		Arm/Disarm			
4	Control Centre Number 1	13760251235		 Arm 	O Disarm	
-77	SMS Upload Interval	15 Minite 🖌				
	Control Centre Number 2	15914183549	Network			
	SMS Unload Interval	15 Minite	Signal Strength:	(
	SHO Opioad Interval					
ST:116;T:200)8/12/29/09/34;H:1;F1:1376()251235,02;F2:15914183549,0	2;C1:13760251235,1;C2:1	5914183549,1;C3:,0;(C4:,0;XH:29;#	
100 AV						
<						>
1						

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

onnection 9 • RS232	Setup:		d piece				004		Par	amet #1	ers	i i	nit	🖉 Status		ver	SMSPro Set
🔿 GSM Mo	dem	MI 💌	UISCO	nnect 🍯	Numt	ber ID:	001		× 🔅	#2	🔍 Ver	C	lear	🌒 M Test			version 1.
vice Setup	Alarm Setup	SMS Text	Phone	Book Liv	/e Data]											
Alarm Char	nnel Configurat	ion															
		Alarm Typ	e		Cont	rol CTR	Phone1		Phone2		Phone3		hone	4	-Relay1	Relay	2 Relay3
9	Alarm 1:	NO (Clos	e Trigger	ed) 🔽			SMS	*	Dial	*	Both	*	None	~			
<i>.</i>	Alarm 2:			*				*		~		*		~			
<u> </u>	Alarm 3:			*				~		~		~		~			
	Alarm 4:			*				*		~		*		~			
<u> </u>	Alarm 5:			~				*		*		*		~			
	Alarm 6:			~				~		~		~		~			
9	Alarm 7:			~				~		~		*		~			
<u> </u>	Alarm 8:			~				*		*		*		~			
	A								0110		n ' 1		n 11				
	Analog I:						None	×	51915	~	Diai	×	Both				
	Analog 2:						SMS	*	Dial	~	Both	*	None	×			
<u> </u>	Voltage Ali	ert:					Dial	*	Both	~	None	*	SMS	~			
Ahalog Cha	annel	Ope	ration Mo	de		Range	Start	Zero	Alert Hi	qh	Alert Lov	v	Low \	Voltage Al	ert Moni	itor	
۲	Analog 1:	Disa	able		~	00010	0001	0	00080	_	00020			Q.	Alert Lin	nit: O(010 (V)
	Analog 2:	Ena	ble		~	00010	0003	0	00090		00040						
Bolou Cont	rol											-11					
Relay Conc	r or								Time La	ncol	seconds)						
	Relay 1:	Q.	ON	Q.	OFF					,556(Seconds)						
	Relay 2:	<u>e</u>	ON	<u>e</u>	OFF												

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

🏭 SMSPro Setup						
Connection Column				Command St	tatus: Command S	uccess 🍥
RS232 O GSM Modem	DM1 💌 🏈 Disconnect 🌗	Number ID:	001	✓ #1) Init Gatu: Clear G M Tes	s M ver SMSPro Setup
					· ••	
Device Setup Alarm Setup	SMS Text Phone Book Li	ve Data				
Alarm Channel Configura	ation					
	Alarm Type	Control CTF	Phone1	Phone2 Phone3	Phone4	Relay1 Relay2 Relay3
Alarm 1:	NO (Close Triggered) 🎽		SMS 🚩	Dial Y Both	None Y	
Alarm 2:	NC (Open Triggered) 💌		Dial 💌	Both 💙 None	SMS 🚩	
💓 Alarm 3:	CS (Change State)		Both 💌	None 💙 SMS	💙 Dial 💙	
💓 Alarm 4:	Disable 💌		None 💌	SMS 💌 SMS	💌 Both 💌	
单 🛛 Alarm 5:	NO (Close Triggered) 💌		SMS 💌	Dial 🛛 🖌 Both	💙 None 🕑	
👾 Alarm 6:	NC (Open Triggered) 🛛 👻		Dial 💌	Both 💌 None	🖌 SMS 🖌	
👾 Alarm 7:	CS (Change State) 🛛 👻		Both 💌	None 🖌 SMS	🖌 Dial 🖌	
🌒 🕺 Alarm 8:	NO (Close Triggered) 💌		None 💌	SMS 🖌 Dial	🖌 Both 🖌	
Analog 1	,		None	SMS V Dial	V Both V	
Analog 2			SMS V	Dial V Both	V None	
Voltage /	Nert:			Both V None		
, iolago,			Diai			
Analog Channel	Operation Mode	Range	Start Zero	Alert High Alert Low	Low Voltage /	Alert Monitor
👾 Analog 1	Disable	00010	00010	00080 00020	<u>.</u>	Alert Limit: 0010 (V)
👾 Analog 2	Enable	00010	00030	00090 00040		
Relay Control						
				Time Lapse(seconds)		
Relay 1:	🗭 ON 📿	OFF	<u>.</u>	0010		
Relay 2:	🛒 ON 🖉	OFF		0020		
Relay 3:	🗭 ON 🆼	OFF		0030		

9. Checking 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.

	цр															
										Comm	and Sta	tus: Co	mmand S	ouccess.	u.	
nnection S	etup:								Par	ameters		<i>с</i>		_		
횐 RS232	Daute Coo		di Di un				100		i Qe	#1 🥥	#3	🕴 Init	🔘 Statu	is 🔍 I	vl ver	SMSPro Setup
GSM Mor	fem	INT D		onnect (Numi	per ID:	123			#9 🍟	Vor	Clear	M too	=		Version 1.1.4
0.00141400	aeini									#2 🦃	ver	Clear	Mine:	50		version 1.1.4
)					ius Data											
/ice Setup	Alarm Setup	SMS TE	ext Phone	BOOK	ive Data											
Station ID	Date	Time	Voltage	AD1	AD2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	R01	R02	R03
156	2009-02-06	10:32	11.9	57.73	24.62	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:33	11.9	60.02	24.75	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:33	11.9	61.30	24.93	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:34	11.9	65.01	25.25	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:36	11.9	73.06	26.81	1	1	1	1	1	0	1	1	1	1	1
56	2009-02-06	10:36	11.9	72.43	27.18	1	1	1	1	1	0	1	1	1	1	1
56	2009-02-06	10:37	11.9	71.57	27.43	1	1	1	1	1	0	1	1	1	1	1
456	2009-02-06	10:37	11.9	62.16	27.62	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:38	11.9	58.70	27.62	1	1	1	1	1	0	1	1	1	1	1
156	2009-02-06	10:38	11.9	56.73	27.56	1	1	1	1	1	0	1	1	1	1	1
		• •	The sof will ret Live Da	ftware rieve ta wil	e will n the liv l not b	ot au e data e sav	tomat a only ed but	ically o when conly o	lownl the [S displa	oad th tatus] yed. O	ne data butto Ince [(a from n is cl Clear]	n the S icked r buttor	MS Al manua n is clia	arm l ally. cked	Vlessengei or prograr
		•	"SMSP Messei	ro_Sei nger, a	rver" s	oftwa aintai	are wil	l auto data re	matica cords	ally do s in sei	wnloa rver da	id the atabas	data f se.	rom S	MS A	larm

10. Device Setup

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

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

Device Prop	erties		Alarm Phone Nu	mber		
	SMSPro ID	116		Phone Number 1:	13760251235	
			4	Phone Number 2:	15914183549	
<u>Q</u>	Password:	1234	·#·	Phone Number 3:	NUL	
	Date/Time:	0812290915		Phone Number 4:	NUL	
Control Cen	tre		Arm/Disarm			
9	Control Centre Number 1 SMS Upload Interval	13760251235 15 Minite		 Arm 	O Disarm	
ġ.	Control Centre Number 2	15914183549	Network			
	SMS Upload Interval	15 Minite 💌	signal strengt	n: (

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 Alarm Messenger.

11. 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.

SMSPro Setup																		
Connection Se	tup:									Para	Cc amet	ommand S ters	tatus	s: Comma	and Si	uccess		6
⊙ RS232 ○ GSM Mode	Port: COI	M1 💌	🚅 Discon	nect 🍯	Num	iber ID:	00	1	1	 ♥ ♥ ♥ ♥ ♥ 	¥1 ¥2	🥩 #3 🔍 Ver		Init 👾 9 Clear 单	Statu: M Tes	s 虆 M v st	ver S	MSPro Setu
)evice Setup 🗸	Narm Setup	SMS Text	Phone B	ook Li	ve Data	3												
Alarm Chann	el Configurat	ion																
		Alarm Typ	e		Con	trol CTR	P	hone1		Phone2		Phone3		Phone4		Relay1	Relay	2 Relay3
<i>.</i>	Alarm 1:	NO (Close	e Triggere	d) 🔽			2	SMS	~	Dial	~	Both	~	None	~			
<i>.</i>	Alarm 2:	NC (Oper	n Triggere	d) 🔽				Dial	~	Both	~	None	~	SMS	~			
<u>s</u>	Alarm 3:	CS (Chan	ge State)	~				Both	~	None	~	SMS	~	Dial	~			
<u>s</u>	Alarm 4:	Disable		~				None	~	SMS	~	SMS	~	Both	~			
<i>Q</i>	Alarm 5:	NO (Close	e Triggere	d) 🔽				SMS	~	Dial	~	Both	~	None	~			
<u> </u>	Alarm 6:	NC (Oper	n Triggerei	d) 🔽				Dial	*	Both	~	None	*	SMS	~			
ġ.	Alarm 7:	CS (Chan	ge State)	~			Ī	Both	*	None	*	SMS	*	Dial	*			
	Alarm 8:	NO (Close	e Triggere	d) 🔽				None	~	SMS	~	Dial	~	Both	~			
9	Analog 1:						[None	~	SMS	~	Dial	~	Both	~			
<u> </u>	Analog 2:							SMS	~	Dial	~	Both	~	None	~			
	Voltage Al	ert:					[Dial	~	Both	~	None	~	SMS	~			
Analog Chan	nel	Oper	ation Mod	e		Range		Start Z	2ero	Alert Hid	h	Alert Lov	, 1	Low Volt	age /	Alert Monit	or	
<u>s</u>	Analog 1:	Disa	ble	-	~	00010		00010)	00080		00020		0		Alert Lim	it: loc	10 (V)
ġ.	Analog 2:	Enal	ble		~	00010		00030)	00090		00040		-14-				
Relay Contro	K	A.										0						
										Time La	pse((seconds)						
	Relay 1:	ġ.	ON	ų.	OFF			ų.		0010								
	Relay 2:	ġ:	ON	ų:	OFF					0020								
	Relay 3:		ON	Q.	OFF			Q.		0030								

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 Alarm Messenger.

To verify the setting:

First, clear the displayed settings by click [Clear] button.

MSPro Setup											
onnection Se © RS232 ○ GSM Mod	tup: Port: COM1	•)isconnect 🍯	Number ID:	001	Co Paramet	ommand Statu ters # #3 Wer	Init Statu	uccess s 💓 M V	/er St	MSPro Si
uias Catura [Alarm Satura Co.	C Taut Dh	ana Baak Li	Data			·*···	0.000.			015101.5
Vice Setup	Alanni Secupi 15M	S Text Phi)ne Book Liv	'e Data						_	
Alarm Chann	el Contiguration	orm Type		Control CTP	Bhone 1	Phone2	Bhone3	Phone4	Polav1	PolavS	Polava
Q.	Alarm 1:	min type	~		Phonei	V V	Phones V	Phones		Relayz	
Q.	Alarm 2:		~		~	~	~	~			
	Alarm 3:		~		×	~	· ·	×			
	Alarm 4:		~		~	~	~	~			
Q.	Alarm 5:		~		~	~	~	~			
	Alarm 6:		~		~	~	~	~			
ġ.	Alarm 7:		~		~	~	~	*			
9	Alarm 8:		~		*	~	~	×			
	Analog 1:				~	~	~	~			
0	Analog 2:				~	~	~	~			
	Voltage Alert:				~	~	~	~			
Analog Char	inel	Operatio	n Mode	Range	Start Zero	Alert High	Alart Low	Low Voltage	Alert Moni	tor	
	Analog 1:	Operado	TMODE	V Nange	Start Zero	Alerchigh	Alert Low	ġ.	Alert Lim	uit:	0
	Analog 2:							-77-			
Relay Contro	2	-									
		14	1.44			Time Lapse	(seconds)				
	Relay 1:	io 👷	4 👾	OFF	<i></i>						
	Relay 2:	io 🖗	4 🕷	OFF							
	Relay 3:	io 👰	N 🎯	OFF	<u>s</u>						

Then, click [#1], [#2] or [#3] button to read the parameter setting from the device.

🏭 SMSPro Setup																	
- Connection Se	tup:								Para	Cc amet	mmand S ers	tatu	s: Comm	and Si	uccess		6
RS232	Port: COI	VIII 🔽	🚔 Disconr	ort 🥌	Murok	or ID:	001			#1	💓 #3		Init 单	Statu:	5 🔍 M V	/er S	MSPro Setup
O GSM Mod	em	11 0	Ser Discon	1000	, isaini	JEI 10.	001			#2	🖉 Ver	Q	Clear 单	M Tes	t		version 1.1.3
Device Setup	Alarm Setup	SMS Text	Phone Bo	ok Liv	/e Data												
Alarm Chanr	el Configurat	ion															
	-	Alarm Typ	e		Cont	rol CTR	Phone1		Phone2		Phone3		Phone4		Relay1	Relay	2 Relay3
<u>e</u>	Alarm 1:	NO (Clos	e Triggered	l) 🔽			SMS	*	Dial	~	Both	~	None	~			
<u>e</u>	Alarm 2:	NC (Oper	n Triggered) 🔽			Dial	*	Both	~	None	*	SMS	~			
Q.	Alarm 3:	CS (Char	nge State)	*			Both	*	None	~	SMS	*	Dial	~			
9	Alarm 4:	Disable		*			None	*	SMS	~	SMS	*	Both	~			
<u>e</u>	Alarm 5:	NO (Clos	e Triggered	I) 🔽			SMS	*	Dial	~	Both	*	None	~			
<u>è</u>	Alarm 6:	NC (Oper	n Triggered) 🔽			Dial	~	Both	~	None	~	SMS	~			
9	Alarm 7:	CS (Char	nge State)	*			Both	~	None	~	SMS	~	Dial	~			
<u>Q</u>	Alarm 8:	NO (Clos	e Triggered	l) 🔽			None	~	SMS	~	Dial	*	Both	~		✓	
<u>e</u>	Analog 1:						None	~	SMS	~	Dial	~	Both	~			
	Analog 2:						SMS	~	Dial	~	Both	~	None	~			
Q.	Voltage Al	ert:					Dial	~	Both	~	None	~	SMS	~			
Analog Char	inel												-Low Vol	ltage /	Alert Moni	tor	
à	Appleg 1:	Ope	ration Mode	9		Range	Start	Zero	Alert Hi	gh	Alert Lov	×	-				
	Analog I.	Disa	able			00010	0001	.0	00080		00020			2	Alert Lim	iit: 00	10 (V)
	Analog 2:	Ena	ble		~	00010	0003	10	00090		00040						
Relay Contro	ol																
	Relay 1		ON	a.	OFF				Time La	pse(seconds)						
	Polov D		ON		OFF				0010		_						
	Relay 2:	2	ON	9	OFF		e e		0020								
	Relay 3:		UN		OFF				0030								

12. Temperature & Humidity Calibration [SMS Pro-SH, Pro-SX, GSMS-TH]

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

- A) AD1 "Analog 1" channel is connected to the humidity sensor.
 - There are many factors e.g. temperature affecting the output value of humidity sensor.
 - o SMS Alarm Messenger 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.

∎SPro Setu	p							Co	ommand S	tatus	s: Comma	nd Su	ccess		
onnection Se © RS232 © GSM Mod	Port: COI em	M1 💌 单 Disconnect 🌖	Num	ber ID:	123		Para	amet #1 #2	ers Ø #3 Ø Ver	9 90	Init 🤿 S Clear 🥥 I	itatus M test	🥥 M v	ver S	MSPro Se Version 1
evice Setup	Alarm Setup	SMS Text Phone Book Liv	e Data	3											
Alarm Chanr	nel Configurat	ion													
- 14		Alarm Type	Con	trol CTR	Phone1		Phone2		Phone3	_	Phone4	_	Relay1	Relay2	2 Relay3
¥	Alarm 1:	NO (Close Triggered) 💌	~		SMS	~	Dial	~	Both	~	None	~			
9	Alarm 2:	NC (Open Triggered)			Dial	~	Both	~	None	~	SMS	~			
Q.	Alarm 3:	CS (Change State) 🛛 👻	V		Both	~	None	~	SMS	~	Both	~			
	Alarm 4:	Disable 🔽			None	*	SMS	~	Dial	*	Both	~			
Q.	Alarm 5:	NO (Close Triggered) 💌			Dial	~	Dial	~	SMS	~	SMS	~			
Q.	Alarm 6:	NC (Open Triggered) 🔽	v		Dial	*	Both	~	None	~	SMS	~			
9	Alarm 7:	CS (Change State) 🛛 👻	~		None	*	SMS	*	Dial	*	Both	*			
<i>.</i>	Alarm 8:	Disable 💌			SMS	~	Dial	~	Both	~	None	~			
	Analog 1:				None	~	SMS	~	Dial	~	Both	~			
	Analog 2:				SMS	~	Dial	~	Dial	~	None	~			
	Voltage Al	ert:	V		Dial	~	Both	~	None	~	SMS	~			
Analog Char	nel	Operation Mode	Po	nae	Start Zor	.0	Alort Hig	2	Alert Low	,	- Model:S	MS Pr	o-SX, GS	MS-TH	only
	Analog 1:	Enable		080	0.000		00090	10	00020		Actual	Humi	dity:		(RH
<u>.</u>	Analog 2:	Disable	0	000	0.000		00100		-30.00		Start (Calibr	ation:	Q.	
Relay Contro	bl	/			Time Lapse	e(sei	conds)				Low Vol	tage /	Alert Mon	itor	
	Relay 1:	🖉 ON 🗳	OFF										-		
	Relay 2:	🖉 ON 🔮	OFF								Alert L	.imit:			(V)
	Relay 3		OFF		a									Ú.	

B) AD2 "Analog 2" channel is connected to the temperature sensor.
 Since digital temperature sensor is used, there is no need of calibration.
 Values of [Range] and [Start Zero] will be ignored.

"SMSPro_Setup" provides automatic calibration function for humidity measurement.

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

🏭 SESPro Setup	Ē										Ì	
					Stop	C	ommand Stati	us: Command in	progress			
Connection Set	up:					Parame	ters		æ	EMEDro Sotup		
GSM Moder	Port: COM	41 💌 👾 I	Disconnect 🌖	Number ID:	123		👾 #3 💓	Clear Mtac	s 💓 Miver ⊦	Warsian 1.1.4		
O GOM MODE						# #2	A vei	icieal 👾 Mices		Version 1.1.4		
Device Setup A	larm Setup	SMS Text Ph	one Book Liv	e Data								
Alarm Channe	el Configurat	ion										
	ſ	Alarm Type		Control CTF	Phone1	Phone2	Phone3	Phone4	Relay1 Rel	ay2 Relay3		
	Alarm 1:	NO (Close Tr	iggered) 🚩		SMS 🚩	Dial 🚩	Both 💌	None Y				
	Alarm 2:	NC (Open Tri	ggered) 🚩		Dial 🚩	Both 🚩	None 🚩	SMS 🚩				
*	Alarm 3:	CS (Change	State) 🚩		Both 🚩	None 🚩	SMS 🚩	Both 💌				
	Alarm 4:	Disable	~		None 🚩	SMS 🚩	Dial 💌	Both 🖌				
<u>÷</u>	Alarm 5:	NO (Close Tr	iggered) 🔽		Dial 🚩	Dial 💌	SMS 🔽	SMS 💌				
<u></u>	Alarm 6:	NC (Open Tri	ggered) 🔽		Dial 🚩	Both 💌	None 🔽	SMS 💌				
<u> </u>	Alarm 7:	CS (Change	State) 🔽		None	SMS 💌	Dial 🖌	Both 💌			ess	
	Alarm 8:	Disable	~		SMS 💌	Dial 💌	Both 💌	None 🔽			🔍 M vei	r SMSPro Setup
a												Version 1.1.4
	Analog I:				None Y	SMS 🗸	Dial Y	Both 💙				
9	Analog 2:				SMS 🚩	Dial 🚩	Dial 💌	None 🚩				
<u>.</u>	Voltage Al	ert:			Dial 🚩	Both 🚩	None 🚩	SMS 🚩				
Analog Chann	nel	Operation Me	do	Papago	Stort Zoro	Alort High	Alort Low	Model:SMS P	ro-SX, GSMS-	TH only	Relay1 Re	elay2 Relay3
	Analog 1:	Enable	ue 🗸					Actual Hum	idity: 58	(RH)		
	Appleg 2:			100.0		00090	00020		00	(131)		
	Analog 2.	Disable	×	00090	00010	00100	-30.00	Start Calibr	ation:	<u></u>		
Relay Control								Low Voltage	Alert Monitor	·		
					-Time Lapse(se	econas)						
	Relay 1:	* 0	N 👾	OFF				Alert Limit:		(V)		
	Relay 2:	🤵 O	N 💓	OFF	.					de		
	Relay 3:	🤿 o	N 👾	OFF	\$					<u></u>		
					`							
		<u>ě</u>	Analog 2:				SMS 🗸	Dial 🗸 D	ial 🔽	None 🔽		
		<u>e</u>	Voltage Aler	rt:			Dial 🗸	Both 💙 N	lone 🗸	SMS 🗸		
		An also Oh an								Madel CMC Due		
		-Analo g chan	nei (Operation Mod	de	Range	Start Zero	Alert High Al	ert Low	-Model:SMS Pro	-5X, GSM5	s-TH only
			Analog 1:	Enable	~	116.9	0.000	00090 0	0020	Actual Humidi	ity: 58	(RH)
		Q.	Analog 2:	Disable	~	00090	00010	00100 -	30.00	Start Calibrat	ion:	a
										ocare cambrad		*
		Relay Contro	l				me Lapse(sed	conds)		-Low Voltage Al	ert Monito	pr
			Relay 1:	no 😥	v 🔅 o	FF			7		-	
			Relay 2:	🥥 or	v 💓 o	FF			T	Alert Limit:		(V)
			Relay 3:	i o	v 🙆 o	FF	ě.					
			,				-77					

- 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 116.9 by Auto Calibration.
- DO NOT change "Range" & "Start Zero"
- When humidity is higher than 90% or lower than 20%, alarm SMS will be sent.

13. 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
- 2 x analog inputs [Temperature & Humidity]
- Low Voltage Alert

A) SMS Text Setup

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

Each alarm can be configured with its own individual SMS text.

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

ASPro Setup						
nnection Setun:			Command S Parameters	tatus: Command Su	ccess	
RS232 Ret loot			<i>≩</i> #1 <i>≩</i> #3	🥥 Init 🔍 Status	🔍 M ver	SMSPro
GSM Modem	11 Y Ulsconnect 📎 Nu	umber ID; UU1	🥥 #2 🔍 Ver	Clear 🔍 M Test		version
vice Setup Alarm Setup	SMS Text Phone Book Live Da	ata				
SMS Text						
Set Channel 1:	alarm!				9	Read
Set Channel 2:	test!					Read
Set Channel 3:	this is an alarm!				9	Read
Set Channel 4:	fire				9	Read
Set Channel 5:	flood					Read
Set Channel 6:	there is an alarm!					Read
Set Channel 7:	this is an alarm!					Read
Set Channel 8:	fire!					Read
Set Analog 1.	too hot!					Read
Set Analog 2.	alarm!!					Read
Sel Voltage.	this is a test!					r Reau
SMS Test						
	Alarm Phone	Message to be sent				
	Alarm Phone 1	Oevice Status	O Alar	m Text - Channel 6		
		🔿 Alarm Text - Chann	el 1 🛛 🔿 Alar	m Text - Channel 7		
à	O Alarm Phone 2	🔿 Alarm Text - Chann	el 2 🛛 🔿 Alar	m Text - Channel 8		
- T		🔿 Alarm Text - Chann	el 3 🛛 🔿 Alar	m Text - Analog 1		
	O Alarm Phone 3	🔿 Alarm Text - Chann	el 4 🛛 🔿 Alar	m Text - Analog 2		
		🔾 Alarm Text - Chann	el 5 🛛 🔿 Alar	m Text - Low Voltage		
	V Alarin Phone 4	O Manual Input:				

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

onnectio	on Seti 32	up:			Parameters	H2 A Toit	ommand Suc	Cess	5	MSPro S			
O GSM	Moder	m Port: COM1	L Y 🥥 Disconnect 🌖 Nu	mber ID: 001	₩1 ₩2 ₩2	ver Clear	M Test	M Ver	v	version !			
vice Set	tup A	larm Setup S	MS Text Phone Book Live Da	ita									
SMS Te	xt								128.				
9	Set	Channel 1:	ST:116;T:29/12/2008,09:41;V	'(12.2;alarm!						Read			
	Set	Channel 2:	ST:116;T:29/12/2008,09:41;V	':12.2;test!					9	Read			
Q:	Set	Channel 3:	ST:116;T:29/12/2008,09:41;V	'(12.2)this is an alarm!						Read			
<i>.</i>	Set	Channel 4:	ST:116;T:29/12/2008,09:41;V	'(12.2)fire					9	Read			
9	Set	Channel 5:	ST:116;T:29/12/2008,09:41;V	'(12.2)flood					9	Read			
9:	Set	Channel 6:	ST:116;T:29/12/2008,09:41;V	':12.2;there is an alarm!						Read			
	Set	Channel 7:	ST:116;T:29/12/2008,09:41;V	7:29/12/2008,09:41;V:12:2;there is an alarm! 7:29/12/2008,09:41;V:12:2;this is an alarm! 7:29/12/2008,09:41:V:12:2:tire!									
	Set	Channel 8:	ST:116;T:29/12/2008,09:41;V	':12.2;fire!					0	Read			
9	Set	Analog 1:	too hot!>ST:116;T:29/12/200	8,09:41;INPU AD1 ALARM!;A1:	20.00.				Q:	Read			
	Set	Analog 2:	alarm!!>ST:116;T:29/12/2008	,09:41;INPU AD2 ALARM!;A2:1	2.00.				0	Read			
ġ.	Set	Voltage:	this is a test!>ST:116;T:29/12	!/2008,09:42;V:12.2;POWER U	NDER LEVEL A	LARM!.			9	Read			
SMS Te	st		Alarm Phone	Mossage to be cent									
			Aldin Phone	Message to be sent									
			Alarm Phone 1	💿 Device Status	0	Alarm Text - (Channel 6						
				🔿 Alarm Text - Chan	nel 1 🛛 🔿	Alarm Text - (Channel 7						
-	a		O Alarm Phone 2	🔿 Alarm Text - Chan	nel 2 🛛 🔿	Alarm Text - (Channel 8						
1.3	9			🔿 Alarm Text - Chan	nel 3 🛛 🔿	Alarm Text - /	Analog 1						
			O Alarm Phone 3	🔿 Alarm Text - Chan	nel 4 🛛 🔿	Alarm Text - 4	Analog 2						
				O Alarm Text - Chan	nel 5 🛛 🔿	Alarm Text - L	.ow Voltage						
			O Alarm Phone 4	O Manual Input:					7				

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

Notes:

- [Read] command will display the SMS Alarm Messenger 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.

C) SMS Text Testing

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

- 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

onnecti	on Sol	tup:			Commar Darameters	nd Status: Co	mmand Suc	cess	
RS2:	32	up.			₩ #1 ₩ #	3 🏟 Init	🖉 Status	🖉 Miver	SMSPro Se
O GSM	Mode	m Port: COM:	1 Y Disconnect 🌖 Ni	umber ID: UU1	👾 #2 🔍 V	er 🥥 Clear	👾 M Test		version 1
vice Se	tup 🖌	Alarm Setup S	MS Text Phone Book Live D	ata					
SMS Te	xt								
<u>Q</u>	Set	Channel 1:	ST:116;T:29/12/2008,09:41;	V:12.2;alarm!				5	🕴 Read
Q.	Set	Channel 2:	ST:116;T:29/12/2008,09:41;	V:12.2;test!				5	🕴 Read
	Set	Channel 3:	ST:116;T:29/12/2008,09:41;	V:12.2;this is an alarm!				9	🕴 Read
,	Set	Channel 4:	ST:116;T:29/12/2008,09:41;	V:12.2;fire				9	🕴 Read
	Set	Channel 5:	ST:116;T:29/12/2008,09:41;	V:12.2;flood				9	🕴 Read
	Set	Channel 6:	ST:116;T:29/12/2008,09:41;	V:12.2;there is an alarm!					🕴 Read
Q:	Set	Channel 7:	ST:116;T:29/12/2008,09:41;	V:12.2;this is an alarm!					🕴 Read
	Set	Channel 8:	ST:116;T:29/12/2008,09:41;	V:12.2;fire!					🕴 Read
Q.	Set	Analog 1:	too hot!>ST:116;T:29/12/200	08,09:41;INPU AD1 ALARM!;A1:	20.00.				🕴 Read
	Set	Analog 2:	alarm!!>ST:116;T:29/12/200	8,09:41;INPU AD2 ALARM!;A2::	12.00.				🕴 Read
,	Set	Voltage:	this is a test!>ST:116;T:29/1	2/2008,09:42;V:12.2;POWER U	JNDER LEVEL AL	ARM!.			🕴 Read
SMS Te	st								
			Alarm Phone	Message to be sent					
				O Device Status	0	Narm Tevt - C	hannel 6		
			• Alarm Phone 1	Alarm Text - Char	inel 1	Narm Text - C	hannel 7		
10			O Alarm Phone 2	O Alarm Text - Char	inel 2	Marm Text - C	hannel 8		
	.			🔾 Alarm Text - Char	inel 3 🔘	Alarm Text - A	nalog 1		
			O Alarm Phone 3	🔿 Alarm Text - Char	inel 4 🔘	Alarm Text - A	nalog 2		
				🔾 Alarm Text - Char	inel 5 O.	Alarm Text - Lo	ow Voltage		
			O Alarm Phone 4	O Manual Input:					ĩ
									4

In the above example, the SMS text "alarm!" will be sent to alarm phone 1 when the button is clicked.



Note: this is for testing purpose

14. Device Reset

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

a) Click [Init] button

👫 SESPro Setup			
Connection Set	up: Port: COM1 💌 🏈 Disconnect 🍥 Number ID: 123 m	Command Status: Command Success Parameters #1 #3 Init Status M ver SMSPro Si #2 Ver Clear M test Version :	() etup 1.1.4
Device Setup A	Jarm Setup SMS Text Phone Book Live Data	Alarm Phone Number Phone Number 1: Phone Number 2: Phone Number 3:	
Control Centr	Control Centre Number 1	Arm/Disarm	
e e	SMS Upload Interval Control Centre Number 2 SMS Upload Interval	Network Signal Strength:	
parameter init	ialize Success!		

b) Click [#1] button to check the default setting after reset.

🔒 SMSPro Setup	
Command Status: Command 9	Success 🧶
© RS232 Port: COM1 ♥ ♥ Disconnect ● Number ID: 001 ♥ ♥ #1 ♥ #3 ♥ Init ♥ State O GSM Modem	us 💓 M ver SMSPro Setup est version 1.1.3
Device Setup Alarm Setup SMS Text Phone Book Live Data	
Device Properties Alarm Phone Number	
SMSPro ID: 000 Phone Number 1:	
Phone Number 2:	
Password: Phone Number 3:	
Date/Time: 0801180102 Phone Number 4:	
Control Centre	
Control Centre Number 1 SMS Upload Interval NO Upload	O Disarm
Control Centre Number 2	
SMS Upload Interval NO Upload V Signal Strength:	
ST-000-T-2008/01/18/01/02-U-1-E1-00-E2-00-C1-1-C2-1-C2-1-C2-1-C2-1-C4-1-VU-20-#	
51,000, 1,2000/01/10/01/02/111/11/00/12/00/01/11/02/11/03/12/04/11/25/#	