

GRADE A

SM200 Pro

SMS Command Set

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1 Introduction

1.1. Scope of the Document

This document presents the SMS Commands Set for *gate opener SM200*

1.2. SMS Command Syntax

The **pwd** in the commands means the password, when you use it, please in stand of it by the digital number; All commands must be **CAPITAL Lock LETTERS**. Don't add spaces or any other character. Add your country code before the phone number, such as "0044" in UK

- Basic syntax

pwd<N><X>

N: some fixed character (the red letters in the following SMS commands)

X: the parameter that users set or control

1.3. SMS Command category

- Read Command

This command mainly inquire parameter values

- Write Command

This command sets the user-definable parameter values

- Execution Command

This command will control or reboot the device

Notice:

- The unit cannot support PIN Code Protected SIM Card
- If the command is incorrect, the SM200 will return: **Command error, please resend command**

2 General SMS Commands

2.1 (MUST STEP) Set the SIM card number of the device

Syntax

Write Command

pwd#TEL SIMcard Number#201#

Response(s)

201:SIMcard Number

Parameter Description

SIMcard Number

- The SIM Card Number of the device

Example:

1234#TEL66668888#201#

SIMcard Number:66668888

2.2 Set new password

Syntax

Write Command

pwd#Pnewpassword#

Response(s)

New Password:xxxx

Parameter Description

xxxx

- The original password is 1234
- Password must be 4 digits

Example:

1234#P6666#

change 1234 to 6666

2.3 Set authorized number

- Inquire authorized user's Information

Syntax

Read Command

- 1.By serial number: **pwd#TELSerial Number?**
- 2.By Phone number: **pwd#TELPAuthorized User's Phone Number?**
- 3.By user's name: **pwd#TELPAuthorized User's Name?**
- 4.By batch serial number: **pwd#TELserial number start#serial number end?**

Response(s)

Serial Number:Authorized Number

Authorized User's Name

Fr:Start Time

To:End Time

• Set authorized phone number(4 methods)

Write Command

1. Only Authorized phone number:
pwd#TELAuthorized Number#Serial Number#
2. Authorized phone number & user name:
pwd#TELAuthorized Number#Serial Number#Authorized User's name#
3. Authorized phone number & Start/End Time:
pwd#TELAuthorized Number#Serial Number#Start Time#End Time#
4. Authorized number & Start/End Time & user name
pwd#TELAuthorized Number#Serial Number#Start Time#End Time#Authorized User's name#

Response(s)

Serial Number:Authorized Number

Authorized User's Name

Fr:Start Time

To:End Time

• Remove the authorized number(2 methods)

Write Command

1. Just remove one user:

pwd#TEL#Serial Number#

2. Remove batch the Authorized Number:

pwd#TEL#Serial Number Start#Serial Number End#

Response(s)

Serial Number:Empty or

Serial Number Start-Serial Number End:none

Parameter Description

Authorized Number

- Authorized number means the one which can dial to control SM200. Country code must be needed, before the country code we should add 00 or +,00 or + cannot be omitted.
- Highly recommend that the serial number of 001 is admin's cellphone number, because the relay action message and self-check auto report SMS message will be sent to the first position cellphone number.

Serial Number

- Serial Number is the position to store the authorized number, from 001~200
- Serial Number must be 3 digits

Authorized User's name

- It is be regarded as remarks of the authorized phone number
- Authorized User's name must be CAPITAL Lock LETTERS,Max:10

Start Time & End Time

- Start Time:the start time of this number can call in to control
- End Time:the end time of this number can call in to control
- End Time must be more than Start Time
- Start /End Time format:YYMMDDHHmm

YY:year

MM:month

DD:day

HH:hour

mm:minute

Notice:If authorized number is without start time and end time. Means this authorized number always can call in to control

Examples:

1234#TEL003?
003:008613500003333

Inquire the authorized number at position 3

1234#TELSAM?
003:00861350003333
SAMPLE

Inquire authorized number and name has the letters of SAM

1234#TELP123456789?
003:66123456789

Inquire authorized number and numbers have 123456789

1234#TEL001#010?
001:00861350003333

Inquire authorized numbers from the position 1 to 10

1234#TEL008613500008888#001#
001:008613500008888

Set 13500008888 as the first user number.
Password is 1234.The 86 is country code.00 cannot be omitted

1234#TEL008613500008888#002#AB#
001:008613500008888
AB

Set 13500008888 as the second user
Name:AB

1234#TEL8888#003#2006080901#
2006081002#
003:8888
Fr:20/06/08,09:01
To:20/06/08,10:02

Set 8888 as the third user number
20:year,2020 06:month
08:day 09:hour
01:minute
Start Time :2006080901
End Time :2006081002

1234#TEL6666#005#2006080901#
2006081002#JACK#
003:8888
JACK
Fr:20/06/08,09:01
To:20/06/08,10:02

Set 6666 as the fifth user number
20:year,2020 06:month
08:day 09:hour
01:minute
Start Time :2006080901
End Time :2006081002
Name:JACK

1234#TEL#004#
004:Empty
1234#TEL#001#010#
001-010:none

Remove the authorized number at position 4

Remove the authorized numbers from the position 1 to 10

2.4 Set the authorization of phone number

Syntax

Write Command(Any phone number can dial to access the device)

pwd#AA#

Response(s)

C-Type:ALL

Write Command(Only authorized number can access it (Default))

pwd#AU#

Response(s)

C-Type:AUT

Parameter Description

- **Warning!** With the command(pwd#AA#), it will allow anyone to access the device

Examples:

1234#AU#

C-Type:AUT

1234#AA#

C-Type:ALL

2.5 Set the relay close time

Syntax

Write Command

pwd#GOTClose Time#

Response(s)

R-Time:xxxs

Parameter Description

Close Time

- Range:000-999.Unit:second.Default:1

0:relay will always keep close(ON) after call in until the next time the same phone number call in

Examples:

3 List of SMS Commands(briefly)

Function	SMS Command	Meaning
Change password	1234#P6666#	Default is 1234(4 characters)
Add new user	1234#TEL0044777777#002#	Add phone number to 2nd position of the user list. From 001 - 200. The "001" is the Admin.
Check user's position	1234#TEL005?	Check the 5th User's Phone
Delete the user	1234#TEL#005#	Delete the 5th user in the user list.
Set the authorization	1234#AA#	Anyone could open the door by CALL
	1234#AU#	Only authorized users could open the door
Set the relay close time	1234#GOT10#	The relay will close for 10 s.Relay time:000-999.Default:1;Unit:second
Operate The door by SMS	1234#ON#	Open the door by SMS
	1234#OFF#	Close the door by SMS
Inquire Current Status	1234#EE#	Inquire Current Status
Reset all parameters	1234#RESET#	Reset all parameters

Notice: There are also many functional instructions, if you need please refer to the text above

Write Command

pwd#RESET#

Response(s)

Reset OK! It will auto restart after 8 seconds

Examples:

1234#RESET#

Reset OK! It will auto restart after 8 seconds

Notice: The other way to reset all parameters to factory default is like this:

You can press and hold the RESET button for several seconds until the Run Led is always ON, and then after 5 seconds ,It will reset the SM200 to factory default.If reset successfully,it will auto restart after 8 seconds

2.15 Inquire the Serial Number of authorized number

Syntax

Read Command

pwd#USER?

Response(s)

Serial Number

Example:

1234#USER?

001

003-005

012

the Serial Number of authorized number :
001,003,004,005,012

Notice: When you do not know which serial number has authorized number ,This command is useful

1234#EE#

20/05/06,10:18:08

S:19

R-ON

Usage:021

C:08,012,SMS

C-Type:AUT

R-Rem:OFF

R-Time:01s

R-SMS:OFF

F-Back:OFF

A-Del:OFF

Machine Room

20:year,2020. 05:month.06:day

10:hour 18:minute 08 :second

GSM signal value:19

The relay is closed

The device have 21 authorized number

Refer to the text above

...

2.13 Control the relay ON/OFF by SMS command

Syntax

Exec Command(Control the relay close)

pwd#ON#

Response(s)

R-ON

Exec Command(Control the relay open)

pwd#OFF#

Response(s)

R-OFF

Examples:

1234#ON#

R-ON

1234#OFF

R-OFF

2.14 Reset all parameters to factory default

Syntax

2.12 Inquire current status

Syntax

Read Command

pwd#EE#

Response(s)

Current time of the device

GSM signal value

Current relay status

Total authorized numbers

Enable/disable self-check auto report SMS or dial to the 1 st number

The authorization of phone number

Enable/Disable remember relay status when power failure

The relay close time

Enable/Disable return SMS confirmation when relay activated

Enable/Disable SMS feedback when setting SMS command

Enable/Disable automatically delete expired authorized phone numbers

The device description

Parameter Description

GSM signal value

- Range:0~31,GSM signal quality. we suggest to keep the signal level above 12. If it is below 12, please make sure you had connected with an external GSM antenna, or take the device to a better open area where has a better GSM signal.

Current relay status

- ON:close.OFF:open

Total Authorized number

- Total number of Authorized numbers

Example:

information), the description will show in SMS which SM200 send to you. Max:20

Examples:

1234#DTMachine Room#
Machine Room

2.11 Enable/Disable self-check auto report SMS or dial to the 1st number

Syntax

Write Command

pwd#Cxx#yyy#z#

Response(s)

C:xx,yyy,SMS/Call/None

Parameter Description

The function is interval to report the current status by SMS or call to the 1st Authorized number

xx

- The start time of sending the current status's SMS ,unit:hour,range:00~23,must be 2 digits. Default:08.

yyy

- The interval report time of sending current status's SMS.Unit:hour. Range:000~999,must be 3 digits,000:disable this function,default:000

z

- The report type.range:0-3. 0:none 1:SMS ,2:Call, 3:SMS & Call.Default:1

Notice: If you select call ,if triggered, The device will call to the 1st Authorized number, if we answer it, it automatically hang up the phone after 3~5 second ,if we do not answer it ,it will call three times until we answer it

Examples:

1234#C08#024#0#

C:08,024,None

Start Time:08:00. Interval:24 hour

Execute:Nothing

1234#C08#024#1#

C:08,024,SMS

Start Time:08:00. Interval:24 hour

Execute:send SMS to 1st Authorized number

1234#C08#024#2#

C:08,024,Call

Start Time:08:00. Interval:24 hour

Execute:call to 1st Authorized number

1234#C08#024#3#

C:08,024,SMS/Call

Start Time:08:00. Interval:24 hour

Execute:send SMS and call to 1st Authorized number

1234#FON#
F-Back:ON
1234#FOFF#
F-Back:OFF

2.9 Enable/Disable automatically delete expired authorized phone numbers

Syntax

Write Command(Enable this function)
pwd#AON#
Response(s)
A-Del:ON
Write Command(Disable this function(Default))
pwd#AOFF#
Response(s)
A-Del:OFF

Parameter Description

- With the command(pwd#AON#).It will automatically delete expired authorized phone numbers

Examples:

1234#AON#
A-Del:ON
1234#AOFF#
A-Del:OFF

2.10 Set the device description

Syntax

Write Command
pwd#DTDescription#
Response(s)
description

Parameter Description

Description

- You can add description with SM200(such as Install position,user

Write Command(Disable this function (Default))

pwd#DR#

Response(s)

R-Rem:OFF

Parameter Description

- With the command(pwd#ER#), when the device re-power on, the relay will remain in the state before power lost

Notice: If you want to use this function, The relay close time must be set 00

Examples:

1234#ER#

R-Rem:ON

1234#DR#

R-Rem:OFF

2.8 Enable/Disable SMS feedback when setting SMS command

Syntax

Write Command(Enable this function)

pwd#FON#

Response(s)

F-Back:ON

Write Command(Disable this function(Default))

pwd#FOFF#

Response(s)

F-Back:OFF

Parameter Description

- With the command(pwd#FON#). When you set the **write command**, if this command is set successfully, the SMS confirmation will be sent to you. If you do not want to receive these SMS feedback, you can disable this function(pwd#FOFF#). (When you send the **write command**, if the command works, the **Run Led** will flash three times quickly. If not work, the **Run led** will not flash quickly). If the command you set is **read command**. The device will send SMS feedback to you, no matter the function is enable or disable

Examples:

1234#GOT02#

R-Time:02s

1234#GOT00#

R-Time:00s

2.6 Enable/Disable return SMS confirmation when relay activated

Syntax

Write Command(**Return SMS confirmation when relay activated**)

pwd#R#

Response(s)

R-SMS:ON

Write Command(**Not return SMS confirmation when relay activated (Default)**)

pwd#N#

Response(s)

R-SMS:OFF

Parameter Description

- With the command(**pwd#R#**), when the relay action(close or open), the unit will return a SMS confirmation to you(the first user number)

Examples:

1234#R#

R-SMS:ON

1234#N#

R-SMS:OFF

2.7 Enable/Disable remember relay status when power failure

Syntax

Write Command(**Enable this function**)

pwd#ER#

Response(s)

R-Rem:ON