

Programming GSM Reporting Options

The following sections describe the options that must be programmed in the panel for GSM reporting.

MG/SP/E	EVO	Details
[805]	[2950]	[1] Off + [2] Off = Landline only (default) [1] Off + [2] On = Landline primary / GSM backup [1] On + [2] Off = GSM primary / landline backup [1] On + [2] On = GSM only

Note: The primary phone number is configured via section [815]; the backup phone number is configured in section [817]. A land/GSM account number must be defined in sections [811] and [812] for MG/SP/E and for EVO in sections [3061] through [3068].

Programming and Registering GPRS Reporting Options

The following sections describe the options that must be programmed in the panel for GPRS reporting. Control panels with a PCS250 can also report system events to a monitoring station's IPR512 GPRS/IP Monitoring Receiver.

MG/SP/E	EVO	Feature	Details
[918] [919]	[2976] [2983]	Account / partition registration	MG/SP/E: sections represent account / partition 1 & 2 EVO: sections represent account / partition 1 to 8
[806]	[2975]	[7] Off + [8] Off = Landline only [7] Off + [8] On = GPRS primary / landline backup (default) [7] On + [8] Off = Landline only [7] On + [8] On = Landline & GPRS in parallel	

Receiver Settings	MG/SP/E			
Receiver #:	1	2	Backup	
IP address*	[929]	[936]		
IP port**	[930]	[937]	[943]	
IP address WAN2	[931]	[938]	[944]	
IP port WAN2	[932]	[939]	[945]	
Receiver password†	[933]	[940]	[946]	
Security profile	[934]	[941]	[947]	
			[948]	
Module registration - press [ARM] to register	[935] [942] [949]			
Receiver Settings	EVO			
Receiver #:	1	2	3	4
IP address*	[2984]	[2986]	[2988]	[2990]
IP port**				
IP address WAN2				
IP port WAN2				
Receiver password†				
Security profile				
Module registration - press [ARM] to register	[2985]	[2987]	[2989]	[2991]

* For 1 or 2 digit numbers, add "0s" before the digit: e.g.,

138.002.043.006

** Default 10000

† Enter [MEM] for blank space

Note: When entering into Receiver Settings sections, the LCD screen of the control panel's keypad will display "Data" for the receiver password and security profiles sections.

SMS Backup Reporting

The PCS250 Communicator Module now supports SMS backup reporting to an IPRS-7 (IP/GPRS PC Receiver Software) when used in conjunction with a compatible Paradox control panel.

- SP5500/SP6000/SP7000 v4.76
- EVO192 v2.65
- SP4000/SP65 v4.94 (coming soon)
- MG6250 v1.35 (coming soon)

This advanced feature assures continuous communication with the protected premises. With the addition of a GSM/GPRS modem, the IPRS-7 software will be able to receive alarm signals through SMS text messages when GPRS communication is disrupted. Should the GPRS channel fail to transmit from a protected premise because of a power outage or internet failure, a backup SMS will automatically be sent to the IPRS-7 (containing the same CID information of the reportable event).

Configuring the PCS250 for SMS Backup Reporting

Enter the following command to program the receiver's SMS parameters:

- 1) Send the SMS command:
P[PASSWORD].SMS.[GSM MODEM TELEPHONE #].[IPRS-7 PASSWORD] (e.g., Padmin.SMS.5145551111.123456)
- 2) Wait two minutes. The PCS250 will automatically register to the IPRS-7 receiver. This will automatically program the Backup IP receiver, IP address and port as follows:

IP address = 000.000.000.001

Port number = 00001

Backup IP receiver section reference:

Control Panel	IP address	Port	Password	Register IP/GPRS module
SP Series	[943]	[944]	[947]	[935]
EVO Series (IP Receiver #4)	[2990]			[2985]

Enter the following command to view the SMS reporting settings (VSMS):

- 1) Send the VSMS command:
P[PASSWORD].VSMS.[CALLBACK PHONE NUMBER]
(e.g., Padmin.VSMS.5145552222)
- 2) If the SMS reporting parameters are programmed properly, the following SMS will be received:
[SITE ID]
SMS#: [GSM MODEM TELEPHONE # (5145551111)]
Password: [IPRS-7 PASSWORD (123456)]
Status: [IPRS-7 REGISTRATION STATUS]
- 3) If nothing is programmed or the programmed information has been cleared, the following SMS will be received:
[SITE NAME SMS RECEIVER NOT PROGRAMMED]

Enter the following command to clear the programmed SMS parameters:

- **P[PASSWORD].SMS.CLEAR**

SMS commands reference:

SMS - Program the receiver's SMS parameters	P[password].SMS.[GSM modem telephone #].[IPRS-7 password]
VSMS - View the SMS reporting settings	P[password].VSMS.[callback phone number]
Clearing the programmed SMS parameters	P[password].SMS.clear

Control panel programming:

Control Panel	GPRS account #	IP address	Port	Password	Register IP/ GPRS module
SP Series	[918]	[929]	[930]	[933]	[935]
EVO Series	[2976]	[2984]			[2985]

IMPORTANT: Do not register the Backup IP receiver (SP-Series: [949], EVO-Series: [2991]); doing so will delete the PCS250 SMS configuration.

Configuring the PCS250

Troubles

The following sections and options have been added to support the IPPR512 GPRS/IP Monitoring Receiver.

MG/SP/E Trouble Group	MG/SP/E Trouble Sub-Group
[4] Communication Trouble	[7] Fail to communicate with receiver [9] GSM network failure [OFF] IP Receiver unregistered (IP/GPRS)
[10] Module supervision loss	[9] GPRS/GSM module
EVO Trouble Group	EVO Trouble Sub-Group
[9] Communication Trouble	[5] Fail to communicate with receiver 1 [6] Fail to communicate with receiver 2 [7] Fail to communicate with receiver 3 [8] Fail to communicate with receiver 4 [9] IP Receiver unregistered (IP/GPRS)

Text message notification

In addition to reporting control panel events via a GSM cell phone network through GSM and GPRS, the PCS250 can also send text messages (SMS) to the end user (up to 16 cell phone numbers). The PCS250 can send text messages for any control panel event due to its proprietary communication through the panel's serial port. Each text message contains a detailed description of the event including site name, date and time, and any associated labels such as zone and serial number. The detailed description of each system event is pre-programmed and hard coded into the PCS250.

MG/SP/E	EVO	Feature	Details
[856]	[2953]	SMS language	Values: 000-255 (see SMS Language)
[780]	[2954]	SMS site name	Default: "Your Alarm Site"

SMS Language

Language	Value	Language	Value
English*	000	Hungarian	009
French	001	Czech	010
Spanish	002	Dutch	011
Italian	003	Croatian	012
Swedish	004	Greek	013
Polish	005	Hebrew	014
Portuguese	006	Russian	015
German	007	Bulgarian	016
Turkish	008	Romanian	017
Language	Value		
Slovak	018		
Chinese	019		
Serbian	020		
Malay	021		
Slovenian	022		

Lithuanian	023		
Finnish	024		
*Default Value = 000			

Note: Some languages are not currently supported. If an unsupported language is selected, messages will be sent in English. Some languages, like Hungarian or Romanian, will generate 2 SMS messages per event reported and other languages will use special LCD characters not supported on all cell phones. Refer to the paradox.com website for the list of languages that are supported, that generate 2 SMS messages, or that use special characters. Refer to the control panel programming guide for information about entering special characters.

Arm/Disarm System via Text Message

It is possible to arm or disarm your system by sending an SMS text message from any cell phone. The message must be sent to the PCS250's phone number, as determined by the cell phone network provider. The text message command has a specific format and specific elements that must be sent to the phone number of the PCS250 module. The format is as follows:

SMS Text Message Format

C[USER CODE].[ACTION].A[PARTITIONS].[PHONE NUMBER]

Examples

Arming example - C1234.ARM.A5.5555551234

Disarming example - C1234.OFF.A5.5555551234

Multiple partitions - C1234.ARM.A1,3,5TO7.5555551234

List of SMS Commands

The following table provides a listing of all SMS commands.

P[password].A.[IP address].P[port number]	Used for GPRS remote access
P[password].IP.[call back phone number]	Used to obtain the IP address of the PCS250
P[password].RESET	Used to reset the PCS250
P[password].BWS.ON	Used to enable bandwidth saver mode
P[password].BWS.OFF	Used to disable bandwidth saver mode
P[password].VOLOUT.[GSM output volume]	Used to set the GSM output volume; values range between 50 to 100
P[password].STATUS.[PHONE NUMBER]	Used to obtain the IP address and IP port of the PCS250 and whether or not the "bandwidth saver" option is being used