









## 1.5 Alarm Panel Connection

Now that the communicator has been fully configured, it's ready to be connected to the alarm panel. For this section, the Watchguard™ Professional 8 Zone Alarm Panel (WGAP864) will be used as an example.

1. Unplug the communicator from the PC, then unscrew and open the alarm panel.
2. Insert the SIM card into the SIM slot.
3. Connect the communicator in-line with your alarm panel (refer to Fig. 1.4.4).
4. **For testing purposes, if you have a monitoring centre, do NOT connect the RJ11 cable yet.**
5. Attach the included external antenna to the ANT socket of the communicator.
6. Connect the communicator to a 9~36VDC power supply to turn it on.

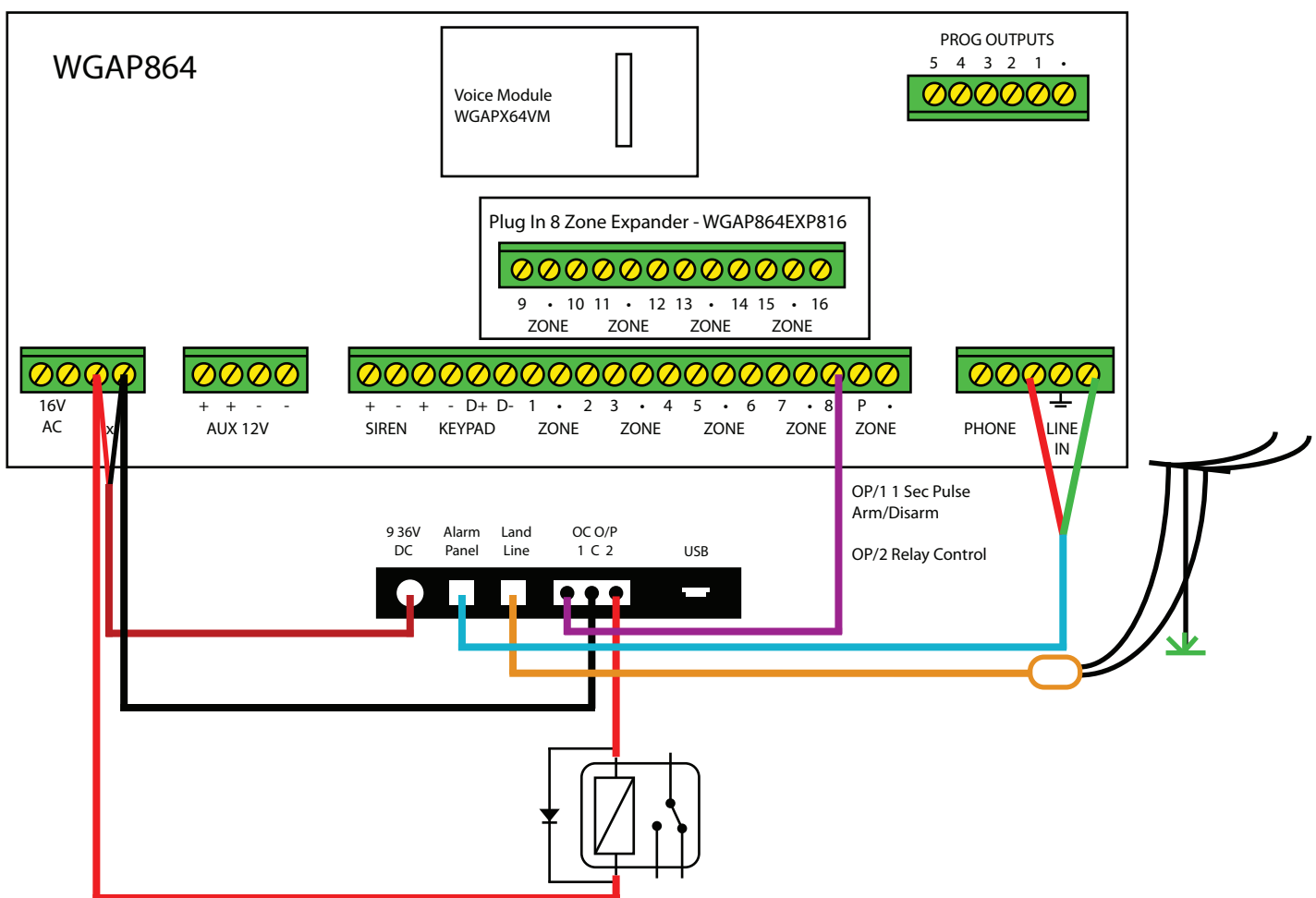


Fig. 1.5.1: WGAP864 Alarm Connection Example

## Installers Must Read

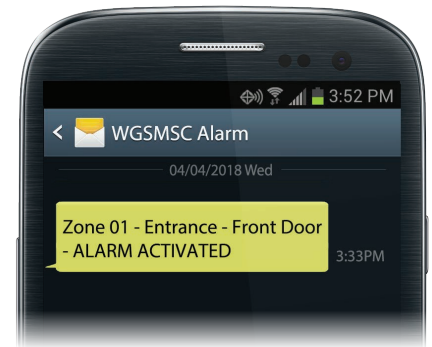
### WGAP864 alarm configuration: (Must set up these figures otherwise it won't send SMS)

- Location 46, Data 1 = ON (Y)
- Location 51 = Telephone number (Any number is okay)
- Location 61 = Any 4-digit non-zero numbers. If 0000 is used, SMS function is disabled.

## 1.6 Testing

The communicator will now be tested to ensure it powers on correctly, GSM connection is established, alarm events are functioning properly and SMS messages are being received.

1. Confirm the power light is turned on.
  - a. Steady on - Unit is on and internal battery is charged
  - b. Flashing 1s - Unit is on and battery is charging
  - c. Off - No power connected and battery isn't providing power
2. Confirm the GSM indicator moves from 0.5s flashing (registering to network) to 1s flashing (connection to network). If it is not, ensure the following:
  - a. The SIM card has been properly inserted.
  - b. The inserted SIM card is activated.
  - c. The GSM antenna is properly connected and within range.
4. Confirm the alarm communicator is functional by testing an alarm event. The communicator should not be connected to the landline for this step, or it could send a false alarm to your monitoring station.
  - a. Arm your alarm.
  - b. Trigger a known zone.
  - c. Wait to receive an SMS notification to your programmed phone(s) (This may take up to 1 minute depending on telephone carrier and signal strength Ensure the mobile phone also has adequate reception to receive SMS).
  - d. Once you've successfully received the SMS message, if you require use of landline for connection to monitoring centre, connect it to the communicator via Landline RJ11 port.



## 2. Using the WGSMSC as a Contact ID (Ethernet/3G/4G) Communicator

### 2.1 Usage Overview

The WGSMSC can also be used as a Contact ID to IP communicator, establishing a connection to your monitoring station via Ethernet, 3G and/or 4G connection. This is useful for buildings that have adopted NBN and those that no longer have access to a direct phone line connection.

### 1.2 Monitoring Station Requirements

To use the WGSMSC communicator with a monitoring station, the monitoring station must have support for SIA DC09 protocol support.

For details on how to connect your WGSMSC for monitoring stations, and for assistance in finding compatible monitoring stations, call us at **+61 2 45452598**

## 3. SMS Command Reference

### 3.1 SMS Command Overview

SMS commands can be sent to the SIM card of the WGSMSC for remote configuration.

*Note: Using the PC configuration software is always recommended, when possible.*

- All SMS commands must be fully CAPITALISED.
- Examples and Return SMS Message are for reference only; these will vary according to your own configurator setup.
- Password below is the default password (1234), replace this with the password you set in 1.4.2 Basic Information Settings.

#### 3.1.1 SMS Command Error

This error shows up when an invalid SMS format is sent. Double-check your password and command and try again.

SMS Command	Return SMS Message
-	SMS Format Error, Please check Caps Lock in Command!

#### 3.1.2 Change Password

This code changes the communicator's SMS password.

SMS Command	Return SMS Message
[CURRENT PASSWORD]+P+[NEW PASSWORD] <i>Example: 1234P4321</i>	4321, This is the New Password, please remember it carefully.

#### 3.1.3 Device Information

Refer to communicator specifications, current version, etc.

SMS Command	Return SMS Message
[PASSWORD]+EE <i>Example: 1234EE</i>	Model: WGSMSC Version: V 1.00 2018-04 IMEI: 867965029050313 GSM Signal Value: 30

#### 3.1.4 SMS Notification Numbers

Program the 5 mobile numbers for SMS notification

Action	SMS Command	Return SMS Message
Set mobile phone numbers	[PASSWORD]+A+[SERIAL#]+T+[PHONE#] <i>Example: 1234A3T13570810254</i>	Tel1: --- Tel2: --- Tel3: 13570810254 Tel4: --- Tel5: ---
List all numbers	[PASSWORD]+A <i>Example: 1234A</i>	Tel1: [PHONE#] Tel2: [PHONE#] Tel3: [PHONE#] Tel4: [PHONE#] Tel5: [PHONE#]
Delete existing number	[PASSWORD]+A+[SERIAL#] <i>Example: 1234A3</i>	Tel1: [PHONE#] Tel2: [PHONE#] Tel3: --- Tel4: [PHONE#] Tel5: [PHONE#]

## 3.1 SMS Command Overview (continued)

### 3.1.5 Program OC Outputs

Program alarm system OC outputs.

Note: Except for pulse output time, multiple serial numbers can be configured at once. Eg. 12 means 1st output and 2nd output.

Action	SMS Command	Return SMS Message
Set the name of the OC outputs	[PASSWORD]+DO+[SERIAL#]+T+[NAME] Example: 1234DO1Output 1 for Arm.	DO1: rename: Output 1 for Arm.
Check all OC outputs	[PASSWORD]+DO+[SERIAL#] Example: 1234DO1	DO1: Output 1 for Arm.
Delete existing OC output	[PASSWORD]+DO+[SERIAL#]+DEL Example: 1234DO1DEL	DO1: Output 1 for Arm.
Switch relay on	[PASSWORD]+DOC+[SERIAL#] Example: 1234DOC12	DO1: ON DO2: ON
Switch relay off	[PASSWORD]+DOO+[SERIAL#]+DEL Example: 1234DOO12	DO1: OFF DO2: OFF
Check current status	[PASSWORD]+DOE Example: 1234DOE	DO1: ON/OFF DO2: ON/OFF ---
Set pulse output time	[PASSWORD]+DOP+[SERIAL#]+[PULSETIME] Example: 1234DOP130 (Time is in seconds, max. 9999s)	DO1 Pulse Output Time: 30S
Check pulse output time	[PASSWORD]+DOT+[SERIAL#] Example: 1234DOT1	DO1 Pulse Output Time: 30S
Pulse output control	[PASSWORD]+DOP+[SERIAL#] Example: 1234DOT1	

### 3.1.6 Program GPRS IP Server & Port

Note: Only the 1st server IP can be programmed via SMS commands. Program the 2nd server IP via PC configurator.

Action	SMS Command	Return SMS Message
IP settings	[PASSWORD]+IP+[IP ADDRESS]+P+[PORT#] Example: 1234IP183.12.162.70P4005	Server: 182.12.162.70 Port: 4005
Check IP settings	[PASSWORD]+IP Example: 1234IP	
Delete existing IP settings	[PASSWORD]+IPDEL Example: 1234IPDEL	

### 3.1.7 GPRS Data Settings

Action	SMS Command	Return SMS Message
GPRS settings	[PASSWORD]+AP+[APN];[USERNAME];[IP P/W]# Example: 1234APEverywhere;esecure;password#	APN: everywhere User Name: esecure Password: password
Check GPRS settings	[PASSWORD]+AP Example: 1234AP	
Delete existing GPRS settings	[PASSWORD]+APDEL Example: 1234APDEL	



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