

# **PHOENIX**

## **12V DC Programmable GSM Remote Controller & Alarm System & Date/Time Switch**



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### **General Overview**

This product is a remote GSM controller unit capable of reading SMS commands to trigger the built in relays and send programmed text messages/calls when the built in digital inputs (DI) are triggered. A backup battery unit is installed as standard allowing continuous operation for around 24 hours if mains power is lost.

**The versions available come with 2, 5 or 8 digital inputs and 2, 4 or 6 Analogue inputs and all feature four built in relays. The unit is powered by a supplied 12VDC adapter but requires a working GSM sim (2G) card for**



### **Typical applications**

The voltage free relays can be used with our other GC-series controllers to add remote functionality to a control system. The device can be paired with other controllers as well and a range of application for the device is mentioned below:

1. Security Alarm System applications;
2. Supervision and monitoring alarm systems
3. Automatic monitoring system;
4. Vending Machines;
5. Pumping Stations;
6. Buildings and Real Estate;
7. Weather Stations remote control and data logging;
8. River Monitoring and Flood Control remote control;
9. Oil and gas pipelines remote control and data logging;
10. Corrosion protection
11. Valve controls;
12. Wellheads;
13. Energy saving, street lights control system;
14. Tanks, levels, temperatures, water leakage applications;
15. Transformer stations; 16. Unmanned machine rooms;
17. Control room application;
18. PLC and Automation System, M2M;
19. GSM Access Control System, GSM Gate Opener, etc.

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#### **GSM Systems**

(Phoenix Technologies) Unit  
2/79 Station Rd  
Seven Hills NSW 2147.

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Item	Reference Scope
DC Power supply	Standard adapter: DC 12V/3A
Power consumption	Standby:12V/70Ma; Working Max.: 12V/300Ma
GSM/2G Frequency	850/900/1800/1900Mhz/2G
Transmit power	Class 4 (2W)
GPRS connectivity	GPRS multi-slot class 10
GPRS Data Transmission	GPRS data downlink transfer: max. 85.6 kbps GPRS data uplink transfer: max. 42.8 kbps Coding scheme: CS-1, CS-2, CS-3 and CS-4
TCP/IP stack	TCP,UDP
SIM interface	Supporting 3V SIM Card
External antenna	SMA Antenna interface, 50 Ohm
Alarm Phone Numbers	2 telephone numbers for SMS Alert and Dial while alarm.
Serial Interfaces	—
Protocols	SMS, GPRS UDP,TCP, Modbus TCP
Digital Inputs	Up to 5 Digital inputs, dry contact or wet contact. Logic level: 0~0. 5V or short circuit treated as close
Analog Inputs	Up to 4 analogue inputs, 12bits resolution, supports 0-5V, 0-20Ma, 4-20Ma output transducers;
Relay Outputs	4 Relay outputs, Rated Capacity: 7A/220VAC
Power Outputs	—
Backup Battery	----
Temperature range	-10-+70 °C
I/O Isolation	Electromagnetic
Power input/Out	Over voltage protection and phase-reversal protection
Humidity range	Relative humidity 95% (condensation free)
Net Weight	200 g

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## Example Application



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## PHOENIX GSM RELAY

