

Alert Gateway



AG800

AG800 SMS Alert Gateway



SMS alert gateway is designed as a cost effective remote system alert device. It monitors up to 8 dry contacts and 4 relay outputs. User-defined SMS is sent to pre-configured hand phone numbers when predefined alarm condition happens. These pre-configured hand phone users can be any technicians or engineers who are responsible to handle corresponding alarm. With the aid of this gateway, the alarm condition brings attention to responsible personnel immediately. Besides it allows those hand phone users to trigger any relay output by using SMS. The relay output can be connected with alarm indication device, such as alarm siren, and others.

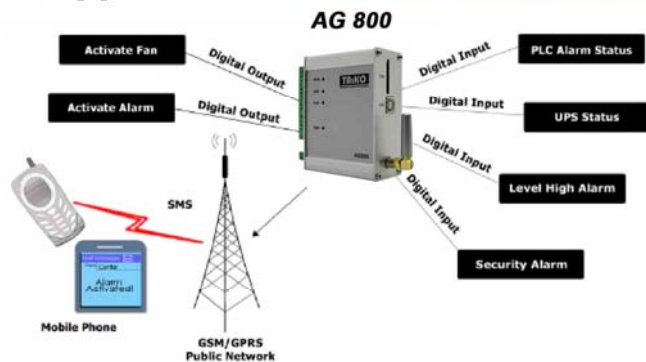
There is a built-in microprocessor chip running on a real-time operating system. It takes immediate response to any change in both inputs and outputs condition. A GSM modem is embedded in the gateway, user has to subscribe a SIM card for the gateway. The gateway can be installed in any location under GSM coverage.

A software program, "SMS Alert Driver" is provided for configuring the gateway. Alert settings, such as hand phone numbers, alert SMS message, and alarm condition is configurable through the program via USB connection. The detailed functions provided and operation conditions are covered in the manual.

Features

- To monitor 8 dry contacts and trigger 4 relay outputs, so total 12 alarm points available.
- User-defined alarm condition (normally close or open), alarm and recovery SMS message for each point.
- Maximum 10 hand phone numbers can be assigned for each point.
- 1 optional reminder of alarm SMS applies for all alarming level under each point.
- Flexible grouping of alarming level (first, second and subsequent group of hand phone number to be notified once alarm happens) with adjustable interval delay.
- User-friendly SMS service, such as requesting current status, acknowledging alarm condition of any points and triggering relay outputs.
- User-defined name is assigned for each point.
- Administrative right can be assigned for a particular group of hand phone users. It includes remote adding, deleting, and exchanging of hand phone numbers, activating alarming of particular point.

Applications



Specifications

Configuration Connection:

- USB 2.0

GSM Standard:

- Antenna gain: 2.15dBi / 3dBi
- Bandwidth: Tri-band GSM900/1800/1900 MHz

Environment:

- Operating Temperature: 10°C – 50°C
- Operation Humidity: 5% – 90% , Non-condensing

Relay Outputs (Electrical Endurance):

- at 230Vac/0.5A typical 3.0×10^5 operations
- at 6Vdc/0.1A typical 2.0×10^6 operations
- at 30Vdc/1A typical 5.0×10^5 operations

Power Supply:

- Supply Voltage: 7V to 30VDC
- Current drawn: 180mA (max)
- Power consumption: 1.2Wdc at 12 VDC
- Connection: Screw terminal

General Infomation:

- Size: 105mm x 35mm x 95mm (W X D X H)
- Weight: 460g
- Diagnostic LEDs: GSM signal, alarm signal and error signal
- Installation Method: 35mm Din-Rail or desk mounts

* Specifications subject to change without notice (Ver 1.0)

Order Information

Model	Description
TNC-AG800-01	SMS Alert Gateway 8 DI/4DO (English Version)
TNC-AG800-02	SMS Alert Gateway 8 DI/4O (Chinese Version)

Optional Accessories

GSM-D4-5	GSM Remote antenna (with 2.5m extension cable)
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