



1+ GSM Alarm

- ⇒ **GSM SMS Transmission (900/1800MHz)**
- ⇒ **2 Isolated Binary Inputs (6-30 Vdc/ac)**
- ⇒ **40 SMS Alarm Texts + Phone Numbers**
- ⇒ **UNICODE (Thai Character) Support**
- ⇒ **Sending 2 SMS after Power Loss**
- ⇒ **Maintenance free (no battery)**
- ⇒ **Removable Terminal Block**
- ⇒ **Power Supply: 6 - 30 Vdc or Vac (0.8 W)**
- ⇒ **0 - 60 °C in Operation**
- ⇒ **RS232 Configuration Interface**
- ⇒ **Integrated SIM Card Holder**
- ⇒ **Status LED**
- ⇒ **Including Antenna, RS232 Cable and Easy Configuration Software**

1+ GSM Alarm is "**EASY to use**" for a wide range of alarm applications like home security, vending machines or industrial systems like air compressors, pump stations etc.

No expert knowledge is required, just a few simple steps to configure and install the modem.

Complete delivery includes all required accessories like antenna, RS232 cable and configuration software. All you need in addition is SIM card, power supply and alarm output/contact.

Functionality:

In case of alarm conditions SMS alarm texts are sent to personal mobile phones of maintenance, operation or supervisors to notify about the problem.

In addition SMS texts can be sent to a central data processing station (SCADA) for:

- storage of historical data
- creation of daily/monthly reports
- historical data availability on browsers on the company intranet/internet
- transfer of historical data to any data base or management information system (ODBC)



How does the modem work

Load the easy-to-use configuration software to any Windows PC or notebook and connect the modem with the RS232 cable (software and cable are part of the delivery). Now you can store up to 40 phone numbers and SMS text messages on the SIM in the modem.

EASY MODE

Default firmware option is EASY MODE.

- Power Loss: Two SMS alarm messages can be configured for sending after power loss.
- Power Restored: Two SMS alarm messages can be configured for sending after power restored
- Input 1: Up to 18 SMS alarm messages to be sent if input 1 is activated
- Input 2: Up to 18 SMS alarm messages to be sent if input 2 is activated

EASY MODE is very easy to apply wherever a contact, alarm relay or indicator lamp is available. Installation is very simple.

PULSE MODE

Order 1+ Alarm, Option "PULSE MODE"

- Power Loss: Two SMS alarm messages can be configured for sending after power loss.
- Power Restored: Two SMS alarm messages can be configured for sending after power restored
- Input 1: Enable. If input 1 is "high", then input 2 is counting pulses
- Input 2: One out of 36 phone numbers + SMS alarm messages will be selected by pulse number counted and sent after Input 1 is back to "low".

PULSE MODE can be applied with the optional MUX Board or any PLC. Additional programming in the PLC to generate pulse patterns for alarm selection is required.

Order Codes & Optional Accessories

Model	Details
1+ GSM Alarm	Alarm modem, 2 x isolated D/I, 40 SMS Alarm Messages & Numbers
Mux 2x10	Multiplexer, expansion to 20 separate alarm inputs, 24Vdc
2 dBa	Dualband, Direct mount, moving right angle antenna, 21.6 cm long, 2 dB
0 dB	Dualband magnetic foot antenna, 2 m RG174 cable, 0 db, 10 cm high
W15V24	1+POWER Industrial Switching Power Supply, 15W/24V/0.7A, Boxed, Screw T., 90-264Vac autorange input, 2 years warranty, 50°C
LP-06	Surge & Lightning Protector for GSM antennas, SMA, max. surge current 10 kA (8/20)
0 dBp	Dualband, patch, 10 cm long, 0 dB, 2 m RG174 cable, to be glued on glass or other plain surfaces
0 dBa	Dualband, Direct mount, moving right angle antenna, 10.5 cm long, 0 dB
3 dB	Dualband magnetic foot antenna, 2 m RG174 cable, 3 db, 20 cm high
9 dB	Dualband magnetic foot antenna, 3 m RG58U cable, 9 db, 60 cm high

1+ Alarm Configuration

Configuration Software

SMS Options About

Clear SMS1 SMS2 SMS3 SMS4 SMS5

SMS5 Total: 24

Type	Phone Number	Message
Power On	063273280	Power On 1
Power On	063273280	Power On 2
Power Off	063273280	Power Off 1
Power Off	063273280	Power Off 2
Alarm 1	063273280	Input 1, Message 1
Alarm 1	063273280	Input 1, Message 2
Alarm 1	063273280	Input 1, Message 3
Alarm 1	063273280	Input 1, Message 4

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