

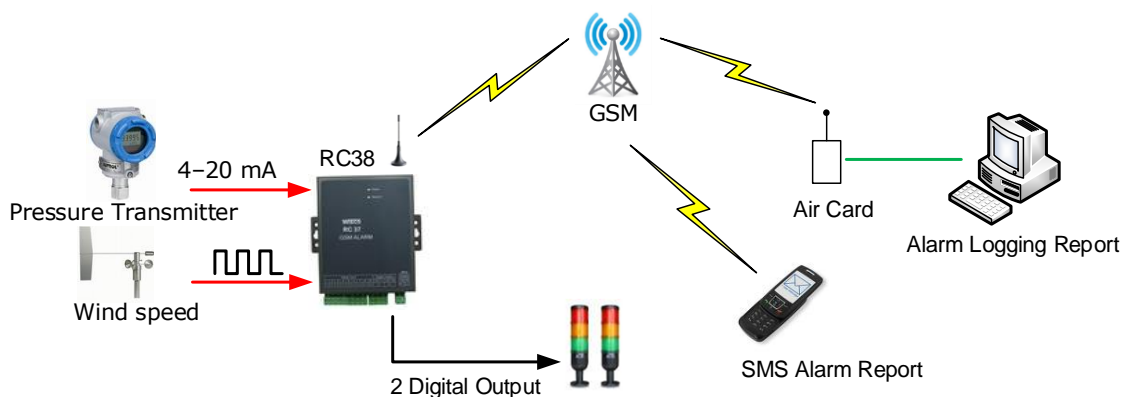
GSM Alarm RC38



- 4 Analog Channels High-Low Alarm
- 2 Digital (Counter or Status) Alarm
- Programmable SMS Message
- Two Relay Output Control VIA SMS
- Read Out VIA SMS
- Built-in 3G Modem (UMTS/HSDPA)

GSM Alarm RC38 When alarm happen RC38 will send SMS to the destination which was pre programmed. The alarm conditions as the following

- 1. Analog Input Alarm** Each analog input can program 2 alarm levels.
- 2. Digital Input Alarm** When digital input change status
- 3.** More than this we can send SMS to control (on - off) 2 internal relays of RC38. And can send SMS to read the value of analog input



DateTime	Sender	Message
13/1/2553 17:56:51	66896252145	Rayong Plant : Tank B High Temp
13/1/2553 15:05:25	66891542156	Bangkok Plant : Tank B Low Alarm
12/1/2553 8:14:37	66894258474	Saraburi Plant : Power Up
11/1/2553 10:44:45	66894258474	Saraburi Plant : Power Fall
11/1/2553 22:30:55	66895845845	Rayong Plant : Tank A High Alarm

Example of SMS Report

Specifications

Cellular Interface

Frequency Bands:

FDD LTE: 800/850/900/1800/2100/2600 MHz

TDD LTE: 2300/2500/2600 MHz

WCDMA: 850/900/2100 MHz

GSM: 900/1800 MHz

LTE Version: 3GPP E-UTRA Release 10

Data Transfer (Max.):

FDD LTE: 150 Mbps (DL), 50 Mbps (UL)

TDD LTE: 130 Mbps (DL), 35 Mbps (UL)

DC-HSPA+: 42 Mbps (DL), 5.76 Mbps (UL)

UMTS: 384 Kbps (DL), 384 Kbps (UL)

TD-SCDMA: 4.2 Mbps (DL), 2.2 Mbps (UL)

EDGE: 236.8 Kbps (DL), 236.8 Kbps (UL)

GPRS: 85.6 Kbps (DL), 85.6 Kbps (UL)

Output power:

FDD LTE 1800: 3.21 W

TDD LTE 2600: 1.7 W

WCDMA 850: 2.69 W

GPRS 900: 2.1 W

EDGE 900: 1.66 W

USB Interface

Compliance: USB 1.1/2.0

Connector: USB Type B

Speed: 12 Mbps (Full-Speed USB)

Class: CDC

Operating System: Windows 98/SE, ME, NT, 2000, XP, Vista, 7, 8, 10 (32 and 64 Bit)

Analog Input

Number of channel: 4 channels

Input type: Current, Voltage

Input range:

Current (4 to 20 mA)

Voltage mVDC (0 to 100 mVDC (Optional))

Voltage (0 to 5, 1 to 5, 0 to 10 VDC (Optional))

ADC Resolution: 16 Bits

Ordering Information Specify input range

Example RC38/12-24 VDC/4-20mA

Package Checklist

1. RC38
2. Antenna
3. USB Cable

Digital Input

Digital Channel: 2 channels

Sensor Type: NPN open collector or Dry Contact

I/O Mode: DI or Even Counter

Dry Contact:

ON : Short to GND

OFF : Open

Counter Frequency: Max 20 Hz

Minimum Pulse Width: 50 ms

Accuracy: ± 0.2 % of span

Relay Output

Number of Channel: 2 channels

Relay Type: N.O. or N.C.

Contact Rating:

6 A @ 250 VAC

6 A @ 30 VDC

Power Requirements

Power Supply: 12 to 24 VDC

Power Consumption

Standby: 90 mA @ 12 VDC

GPRS Link: 110 mA @ 12 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 60 °C

Physical Characteristics

Dimension: W100 x H123 x D30 mm.

Mounting: Screw

Warranty

Warranty Period: 5 Year