GSM SMS controller RTU5016~RTU5019 datasheet

New arrival:

GSM SMS Controller RTU5019 series
*2 digital inputs, 1 analog input(4-20mA/0~5V)
*1 pulse inout,   1 temperature input
*2 relay control outputs, iOS,Andriod APP available

Main Features:

➢ GSM dual-band frequency, 900/1800MHz

➢ 2 digital input, *1 pulse counter,*1 analog(4-20mA or 0-5V), *1 temperature input

➢ 2 digital output, dry contact relay, AC240V/10A capacity

➢ Relays controlled by SMS/Phone call/event from input

➢ Alert/monitoring/data logger/Configuration by SMS

➢ Rechargeable Li-ion battery

What can they do?

➢ **RTU5016:** Remote control by SMS/Call, Vending machine monitoring, counter alarm and data log by SMS, etc.

➢ **RTU5017:** Remote control by SMS/Call, analog detector/analog meter alarm and data log by SMS, etc.

➢ **RTU5018:** Remote control by SMS/Call, temperature alarm and monitoring and log by SMS, etc.

➢ **RTU5019:** all above mentioned functions.

Main Applications:

➢ **RTU5016:** Gate opener, vending machine logger and monitoring,
passenger flow volume counter,
remote control pump/generator/valve/motor/lamp/street lights/LED signs, etc.

➢ **RTU5017:** Water flow monitoring and alarm, water level control,
environment (sound/rain/air/dust) data log and alarm,
power current alarm, etc.

➢ **RTU5018:** Refrigerator/refrigerated truck/ship/cold room/seafood warehouse/
refrigeration storage temperature monitoring and control,
swimming pool, and any other temperature alarm & monitoring & log & control appli

➢ **RTU5019:** all above mentioned applications.

Model comparison table of RTU5016/5017/5018/5019:

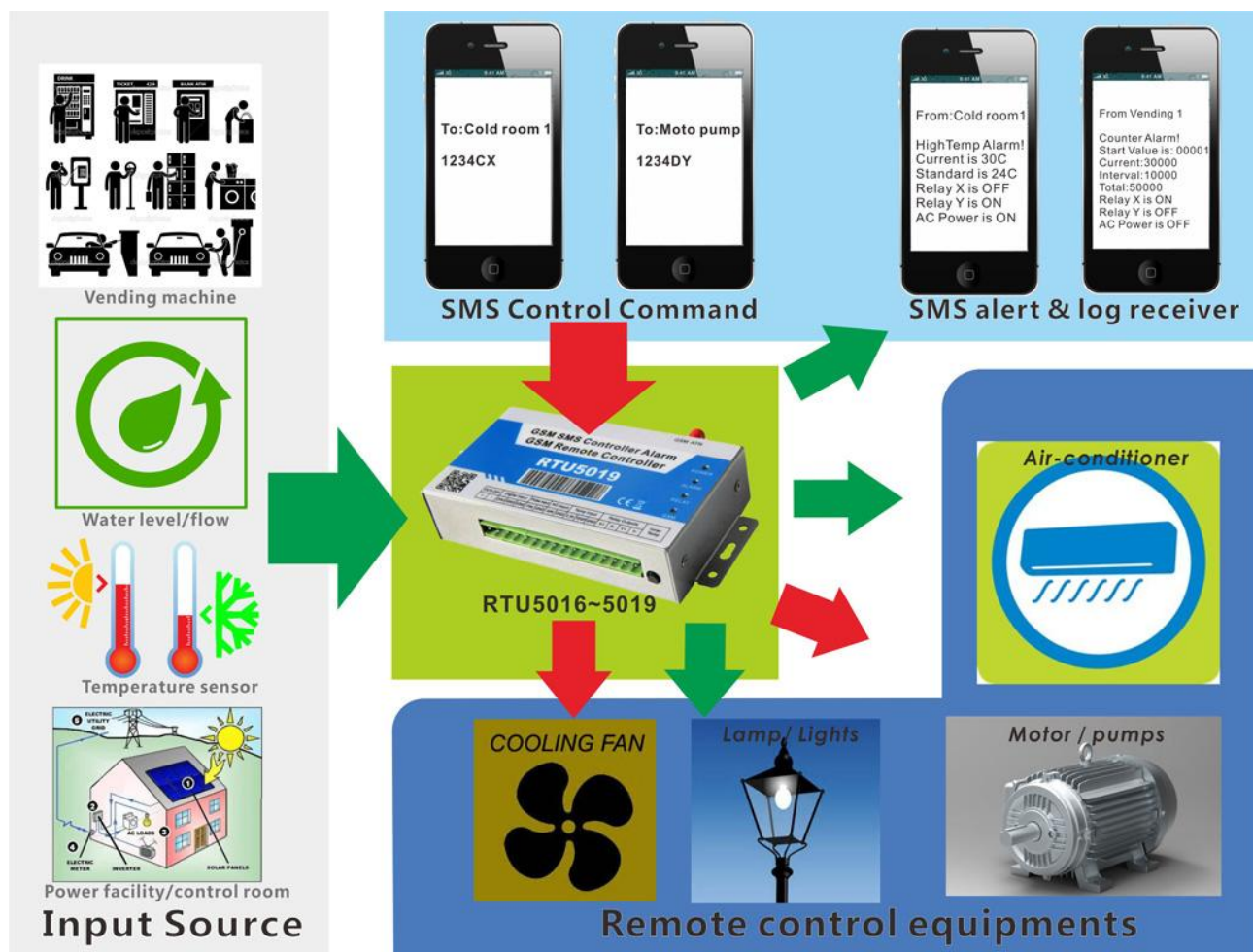| ITEM	TYPE	SPECIFICATION	RTU5016	RTU5017	RTU5018	RTU5019
INPUT	Digital	Dry contact, NC/NO	2	2	2	2
	Analog	4-20mA,or 0-5V,or 0-20mA,10bits	/	1	/	1
	Pulse Counter	Interval/total: 00000~99999	1	/	/	1
	Temperature	DS18B20, Accuracy:0.5*, detect range:-55~+125 ℃ (-67 to +257°F)	/	/	1	1
OUTPUT	Digital output	Dry contact Relay, capacity:250V/10A	2	2	2	2
APP	Android	Download on our website or ask our sales to send you by e-mail	Yes			
	iOS	Download *iKeypad* on APP STORE	Yes			

Introduction:

◆ The GSM SMS Controller RTU5016~RTU5019 are a very simple programmable I/O port (2DIN, 2DOUT, 1 PIN, 1 AIN, 1Temp. Input) and cost effective GSM RTU which can be used for data acquisition, remote switching machine, temperature monitoring, Pulse Counter, automation system and other applications.

◆ The relay1/2 output will be switched ON/OFF when call from Authorized User number. There are no communication costs, RTU5016~5019 will reject the calling and carries out the ON/OFF action.

◆ Support interval time to report the Analog input value, Digital output status, pulse counter and temperature real value to the authorized numbers, and also can report the value of them while the threshold of the ultra-high----high, low ---- ultra-low occurrence.

◆ With 2 digital inputs & digital outputs relay, when any of the inputs triggered, will activate one or both of the relay outputs, in the meanwhile, RTU5016~5019 will send SMS Alert to owners immediately. This is very useful if you need protect your assets with low cost solution.

◆ In one word, the GSM SMS Controller RTU5019 is the best choice for lots of applications.

Advantages of RTU5016~RTU5019:

✧ 2 digital inputs for water level, magnet contact, motion detect, heat detect, smoke detect, etc.
✧ 1 temperature input for cold room, water pool, warehouse, storeroom, refrigerator truck, refrigeration storage, villa, house temperature monitoring.
✧ 1 pulse counter input for vending machine, vending room, visitors flow rate monitoring.
✧ 1 analog input for all detectors which have 4-20mA or 0-5V output port.
✧ 2 relay controlled by authorized phone call(Caller-ID),SMS command, Timer, or controlled by input's activation.
✧ Up to 6 authorization phone numbers.
✧ AC power failure alert SMS.
✧ Backup battery inside, advanced design for battery switching relay ON when AC power failure.

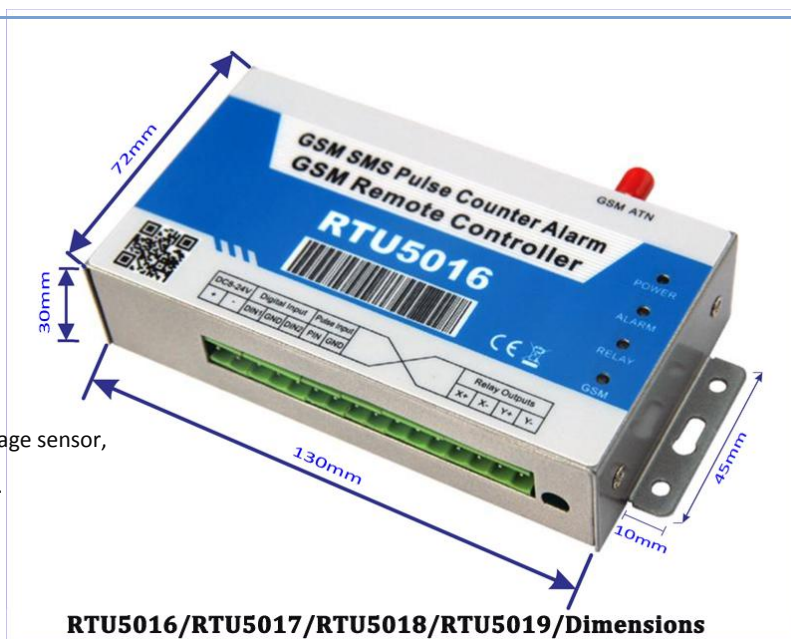## RTU5016~RTU5019 works as below drawing:

Specifications of the GSM SMS Controller:

Parameter item	Reference scope
DC Power supply	8~24VDC 2A
Power consumption	12V input Max. 50mA/Average 50mA
Frequency range	Dual band 900/1800 MHz (Default)
SIM Card	Supporting 3V SIM Card
Antenna	50 Ω SMA Antenna interface
Temperature range	-20-+60 Centigrade
Humidity range	Relative humidity 90% (condensation free)
Relay Output	2, Dry Contact, NO type, 10A/250V AC capacity
Digital Input	2, Dry Contact, NC or NO type
Pulse Input	1, range is 00000~99999. **(RTU5016,RTU5019)**
Analog Input	1, 0-5V or 0-20mA or 4~20mA, 10 bits**(RTU5017,RTU5019)**
Temperature Input	1, Internal included, exteranal is optional, 12bits, measure range :–55 to +125 Centigrade (–67 to +257 Fahrenheit), 0.5°C accuracy from –10 to +85 Centigrade **(RTU5018,RTU5019)**
Backup Battery	900mAH, last 18hours on standby mode
Exterior dimension	150mm*72mm*30mm
Net Weight	600 g

Standard Packing list:

- ✓ GSM SMS Controller main panel X 1
- ✓ AC100~240V to DC 12V/2A Power Adaptor X1
  - ✓ (UK,EU,AU,USA power plug available)
- ✓ DS18B20 Temperature probe X1(Inbuilt)
- ✓ Backup Battery X 1 (Inbuilt, 900mAH)
- ✓ GSM Antenna X 1
- ✓ Connection socket   X 1set
- ✓ User Manual CD X 1
- ✓ Note: The package does not include any SIM card.
- ✓ *Optional:* Door Sensor, Water level sensor, Voltage sensor,
- ✓ Motion Sensor, Temperature Sensors and others.

RTU5016/RTU5017/RTU5018/RTU5019/Dimensions

>>>>>>>Why KING PIGEON?

King Pigeon is a professional GSM Alarm system, GSM elderly guarder system, GSM SMS Controller, GSM Automation system, GPRS Data Logger, GPRS Temperature Logger; Power Monitoring System, Wireless GSM Home Alarm system, GSM M2M products Manufacturer!

Based on 7years rich experiences of design and manufacture GSM alarm, GSM SMS controller, GPRS RTU,GSM elderly guarder alarm, GSM gate opener, etc. Our products are newest and top-sales for the market, with attractive functions, reliable quality and competitive price.

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Your any requests would be much appreciated, please do not hesitate to contact us.