RTU5010 GSM RTU remote controller datasheet

☆The GSM Controller RTU5010 can be used as:

- A switch with SMS remote control.
- A timer-switch which can be activated automatically.
- A relay with dialling-in remote control.
- An automation system.
- A SMS reporter.
- A data transporter (GSM DTU, GSM M2M).
- A GSM Alarm system.
- A GSM Remote Terminals (GSM RTU).

☆Features:

- **4 relay drivable outputs** (12V-24V), each output can be switched ON/OFF by SMS/CALLER-ID/TIMER/WEEKLY TIMER/INPUT SENSORS;
- **4 digital inputs** for SMS reporting and dialing (the inputs react to a connection or disconnection or from a common GND terminal);
- Bidirectional data transmission, this is very useful to connect PLC equipments;
- Can read logic input status by SMS;
- 10 different mobile phone numbers can pre-set in the system;
- Password protection, prevents unauthorized use;
- Per logic input can be assigned to one or more output relays;
- Set up and programmed from any GSM cell-phone and PC;
- Arm or disarm button is optional for the user;
- Timer programmed when send back the report or when switch on the output relays;
- Time stamped alarm messages;
- Based on GSM Network, Qua-Band.

☆RTU5010 Suitable for:

1. Security Alarm System application;
2. Supervision and monitoring alarm;
3. Automatic monitoring system;
4. Vending Machines;
5. Pumping Stations;
6. Buildings and Real Estate;
7. Weather Stations;
8. River Monitoring and Flood Control;
9. Oil and gas pipelines;
10. Corrosion protection;
11. Valve controls;
12. Wellheads;
13. Energy saving, street lights control;
14. Tanks, temperatures, water leakage;
15. Transformer stations;
16. Unmanned machine rooms;
17. Control room application;
18. PLC and Automation, M2M;
19. Access Control, Gate Opener, etc.
## RTU5010 Specifications:

<table>
<thead>
<tr>
<th>Parameter item</th>
<th>Reference scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Power supply</td>
<td>Standard adapter: DC 12V/1.5A  Reference scope 6-24V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>12V input Max. 50mA/Average 50mA</td>
</tr>
<tr>
<td>Frequency range</td>
<td>Dual-frequency 900/1800, compatible with GSM Phase 2/2+</td>
</tr>
<tr>
<td>SIM Card</td>
<td>Supporting 3V SIM Card</td>
</tr>
<tr>
<td>Antenna</td>
<td>50 Ω SMA Antenna interface</td>
</tr>
<tr>
<td>Serial Port</td>
<td>RS-232C, Default communication parameter 9600,n,8,0,1</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-10--+70 °C</td>
</tr>
<tr>
<td>Humidity range</td>
<td>Relative humidity 95% (condensation free)</td>
</tr>
<tr>
<td>Output drive voltage</td>
<td>Equal to input DC voltage</td>
</tr>
<tr>
<td>Output drive power</td>
<td>Drive voltage ≤35V, drive current ≤200mA</td>
</tr>
<tr>
<td>On state input current</td>
<td>Max. 0.33mA</td>
</tr>
<tr>
<td>Input signal</td>
<td>Dry contact or 0V-3.3V level signal</td>
</tr>
<tr>
<td>Exterior dimension</td>
<td>95×65×25mm</td>
</tr>
<tr>
<td>Weight</td>
<td>300 g</td>
</tr>
</tbody>
</table>

### Standard Package list:

- RTUS010 GSM Controller * 1
- Power supply adapter * 1 (12V/1.5A)
- Serial cable for communication * 1 (RS232)
- CD (Pc programmer tool) * 1
- GSM Antenna * 1
- Package Size: 230*185*60mm(W*D*H)
- Weight: 700g

### Optional Accessories:

- Water Overflow Level Sensor, Oil Overflow Level Sensor,
- Water Leak Sensor, Temperature Sensor, Door Sensor,
- PIR Motion Sensor, Smoke Sensor, Gas Leak Sensor,
- Glass Break Sensor, Shock Sensor, Power failure sensor, etc.

### 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.

Welcome OEM/ODM Service

Customize your own label and package Available!

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

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