

# GSM 12A+



## SMS-operated Alarm System and Switch Control

Remote control and surveillance of heating, cooling, pumps, computer equipment, etc. GSM 12A+ increases comfort, security and energy savings. Optimized for 12 volt environments: photovoltaics, vehicles, boats, and other embedded applications.



**GSM 12A+ features two remote-controlled switches for turning appliances on and off using plain SMS messaging.**

**It keeps temperatures, detectors and power supply under surveillance and sends you an alarm by SMS when needed.**

**All this comes in a very compact housing: only 10.6 x 7.0 cm !**

### Sample applications:

- ✓ Temperature surveillance and fault detector in a heater or deep-freezer.
- ✓ Autonomous alarm system, equipped with standard detectors (fire, flooding, gas, etc.)
- ✓ Dispatching of alarms triggered by a pre-existing surveillance system.
- ✓ Starting up or resetting a server.
- ✓ Turning on a pump, a heater or an air-conditioning appliance.
- ✓ Activating a power supply (e.g. a backup battery, an inverter or a power generator).

### Features:

- Remote on/off switching of 2 outputs (relays).
  - 2 push buttons for manual control.
  - One output can operate as a remotely adjustable thermostat.
- Remote on-demand reading or automated surveillance of:
  - 2 temperature sensors,
  - 2 digital inputs for detectors (fire, flooding, gas, burglary, fault indicators, etc).
  - Power supply voltage; power outage alarms when equipped with a backup battery.
- Alarms by SMS with adjustable repetition frequency and up to 9 recipients.
- Power consumption: only 20 mA (typical) and 68 mA (peak) at 12V DC.
- Entirely configurable by SMS messaging: no PC software required.
- Personal access code for protection against abuse.
- Requires a valid SIM card from a GSM network operator (prepaid is fine).
- Included: GSM antenna and one temperature sensor (with 4m cable).

Your Sikom dealer:

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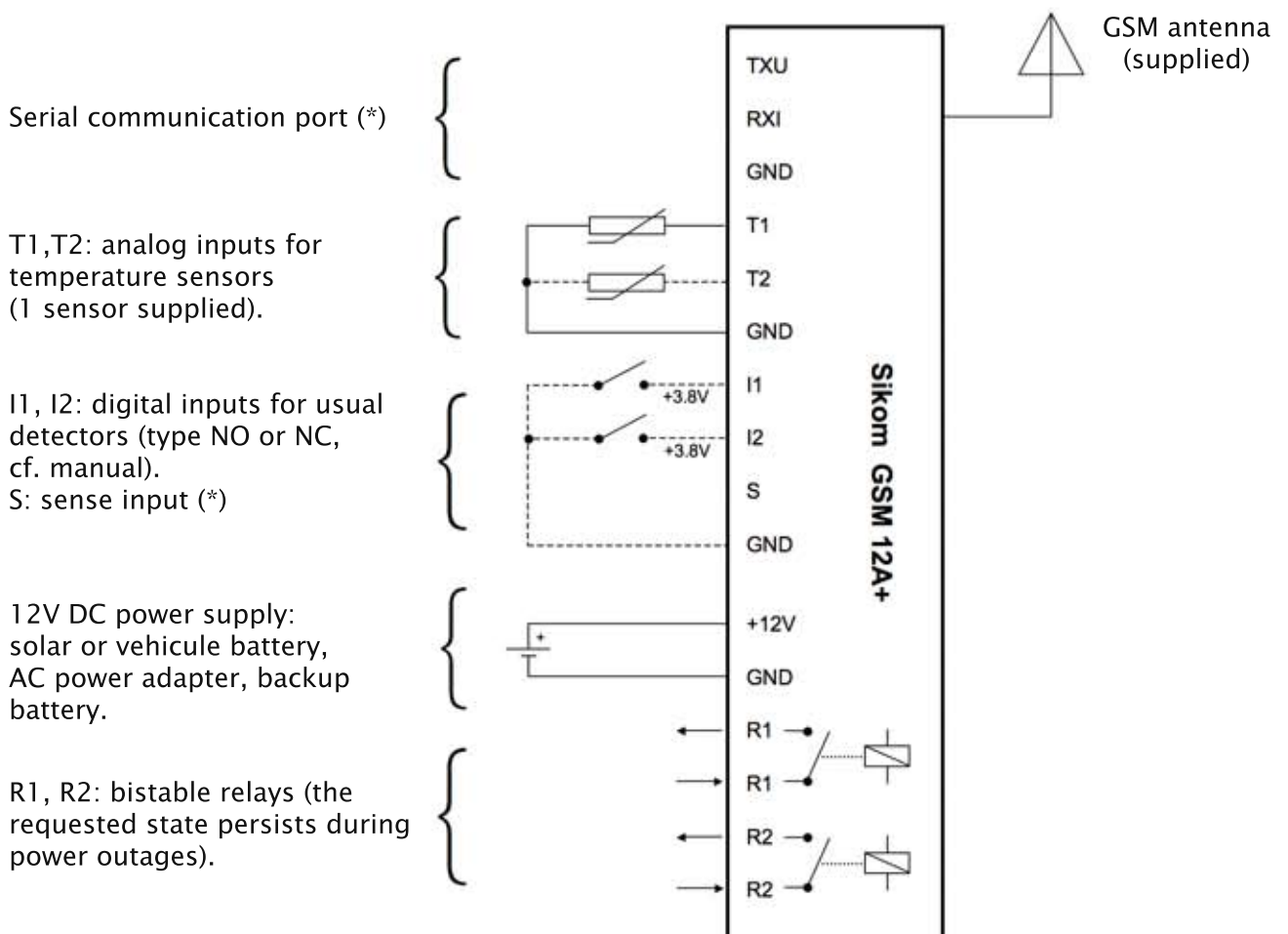
## SMS-operated Alarm and Switch Control



### Technical specifications:

Manufacturer:	Sikom AS, Norway
Model:	GSM 12A+
Hardware revision:	300-8011V16
GSM module:	Quadband GSM/GPRS modem (850, 900, 1800, 1900 MHz).
Relays (outputs):	2 potential-free relays, bistable, normally open (NO). Max. switching load: 5A / 30V (each). Relay N° 1 can function as a thermostat with adjustable hysteresis.
Digital inputs:	2, for detectors of type NO or NC.
Analog inputs:	2, for temperature sensors.
Temperature sensors:	10K NTC at 25°C
Measurement range:	-28°C to +49°C ±2°C
Power supply:	7.5V - 15.0V CC (1A)
Current consumption:	20 mA (typical, in standby), 32 mA (with 2 active relays), Max. 68 mA.
Antenna:	GSM with MMCX connector.
Operating temperature:	-20°C to +40°C
Storage temperature:	-30°C to +50°C
Protection rating:	IP20
Humidity:	< 93% RH
Dimensions LxPxH:	106 x 21 x 70 mm
Weight:	105 g

GSM 12A+ complies with the European R&TTE directive.  
Designed for indoor use only.



(\* ) Only for communication with dedicated external equipment (cf. manual).

