

# GSM RELAY type GSM R1 ZAS

Manufacturer: SEA spol. s r.o.

www.seapraha.cz

GSM R1 ZAS is a device for remote control of power supply for one electrical appliance via SMS. GSM R1 ZAS is easy to install and operate. Just plug the GSM R1 ZAS into the power outlet (230V<sub>AC</sub>), connect your electrical appliance and send SMS to switch ON or OFF the output power outlet on the GSM R1 ZAS. GSM R1 ZAS has more useful functions like temperature regulation, alarm SMS when temperature limit is exceeded, short pulse generating based on by ringing from your mobile phone (e.g. to open entry gate).

## Installation

1. To operate the GSM R1 ZAS a SIM card of any GSM operator is necessary. SIM card must be functional, active and must have PIN code turned off. Also some credit is necessary in case SIM card is pre-paid.

**Before inserting the SIM card into the GSM R1 ZAS device, it is necessary to turn off setting of the "PIN code"!**

Insert the active SIM card (= at least one call was made) to any mobile telephone and turn off the requirement of setting the PIN. On most mobile telephones, this option can be found in menu "Setting the telephone protection". or "Setup -> Security -> PIN control".

2. Insert this prepared SIM card into the GSM R1 ZAS device. The SIM card holder is located on the down side of the device. To slide out the SIM card, press on the SIM card.
3. Now you can plug the GSM R1 ZAS into a standard single-phase 230 V<sub>AC</sub> wall socket. If the power supply is correct, green LED diode POWER SUPPLY goes on. Simultaneously, GSM blue LED flash several times and then after about 1 minute, blue LED diode GSM starts flashing with a period of 3 sec.
4. Now plug the 230 V<sub>AC</sub> electrical appliance, you want to control, into the 230V<sub>AC</sub> socket on GSM R1 ZAS.
5. If you want to switch off the 230V<sub>AC</sub> socket locally, just press pushbutton ON/OFF button on the GSM R1 ZAS. The output is switched off and the green LED diode OUTPUT goes off. You can switch the output again by another press on ON/OFF button.
6. To make the first test of the device, use your mobile telephone you want to use to control the appliance and send a SMS text message 1234 ON to the telephone number of the SIM card inserted into the GSM R1 ZAS. This will switch on the plugged appliance. The ON status is indicated by means of the green LED diode OUTPUT that is permanently on. Simultaneously, the device automatically sends a confirmation message on performing the operation. To change the password 1234, insert the SIM card into any mobile telephone and in the directory on the SIM card in field "Names" for name xCode change the telephone number 1234 to a number you select. The device reacts to the SMS text message from any telephone as long as the access password matches. The very first one (the sender of the message) will be remembered as master and will receive message about events on GSM R1 ZAS. This user can also switch the 230V<sub>AC</sub> socket by "ringing" on the device.
7. Try "ringing" on device. You can make a pulse on the socket for 4 seconds (with factory setting). The device hangs up the call and makes pulse. This can be used for example for opening entrance gate. You have to use the same phone number as was in the very first SMS sent to the device. For more information see chapter List of All Parameters at the end of this document, parameter "xRemUser".
8. Try temperature regulation. You can send SMS in form of 1234 TEMP25 to command device to maintain temperature to 25°C. Range of regulation is from 0°C to +55°C. Regulation is interrupted by SMS with command 1234 OFF. For more information see chapter List of All Parameters at the end of this document, parameter "xReg".



**Control your home heating system remotely!**

## GSM RELAY type GSM R1 ZAS Remote Control via SMS



**Device status** – Send an SMS in form **1234 STATE** to a phone number of the SIM card which is inserted into the GSM R1 ZAS. The device will send back an SMS with current device status. E.g.: **GSM R1 ZAS: ON, Signal= 54%, Temp=28°**.

## Technical specifications

Supply: 230 V<sub>AC</sub> (+/- 10%),  
max. 1.5 W (stand by) / 3 W (active)  
Output: Mains socket 1x 230 V<sub>AC</sub>/10 A  
Input: Temp. sensor 1x -50 to +150 °C  
Operating temperature: -20 to +40 °C

### Attention:

Proper function of GSM network is indicated by a short blink of blue LED GSM 1 time per 3 seconds. Blinking 1:1, means that the SIM card is not inserted properly or the GSM signal is not sufficient.

