



CONTROL FEATURES



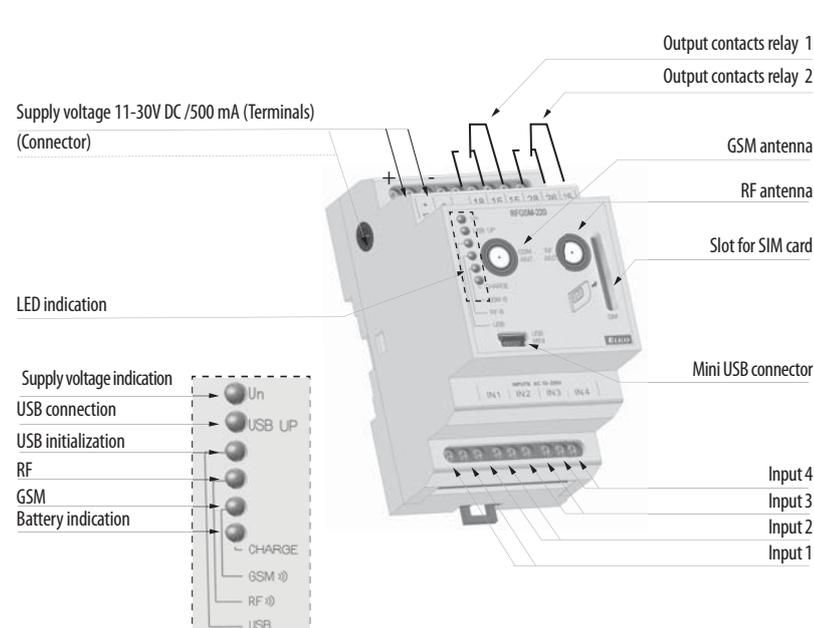
EXTERNAL ANTENNA AN-E

EAN code
 RFGSM-220M:8595188146043
 External antenna AN-E: 859415759012
 Internal antenna AN-I: 8595188161862

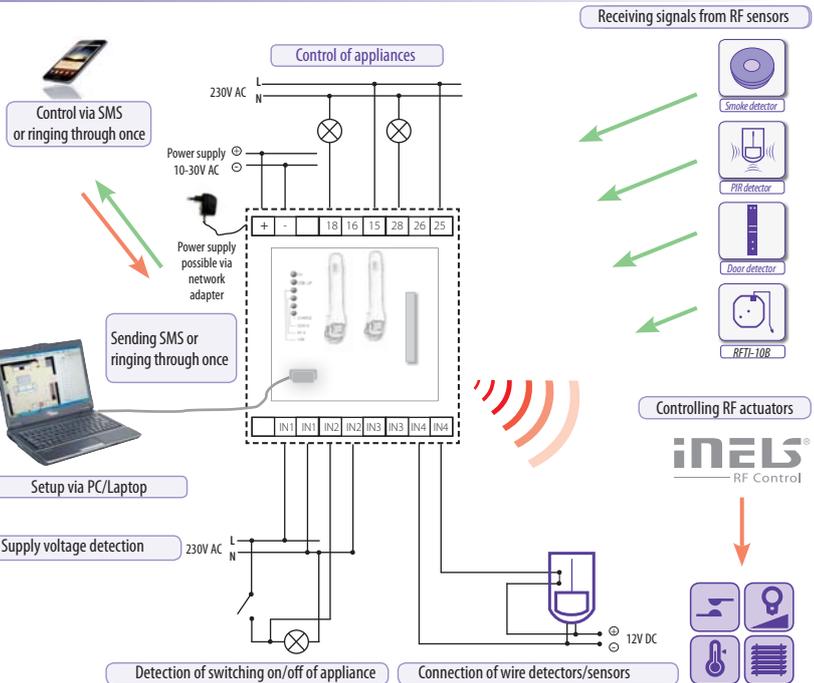
- the GSM communicator can be used for remote switching of heating, lights, barriers, gates and for ascertaining the status of the RF Control actuator (ON, OFF, temperature level)
- GSM communicator can be used in three ways:
 - a) independently – reacts to SMS or ringing phone once, it switches an internal relay or reacts to 1 of 4 inputs
 - b) with RF Control actuators – the switch command is sent to a switching actuator within range, which then switches (ex. heating)
 - c) with the RF Touch unit – where it is possible to request information by mobile phone on the actuator status, and switch the actuator based on this
 - d) a secure function, especially when dialing, or the transmitter can even activate or deactivate detectors for sending commands to trigger an alarm or to send an SMS to the service number
- setting is performed using software supplied with GSM communicator via a mini USB connector, OSMS Windows XP and newer. RFGSM software is available for download at the manufacturer website: www.elkoep.com/download/
- GSM contains:
 - 4x potential-free, separated inputs for connecting other devices (e.g. smoke detectors, blind actuators, heat sensors, etc.)
 - 2x output relays Switch 8A (e.g. contactor, lighting, command for heating circuit, etc.)
 - 2x antenna (-for GSM, - for RF communication)
 - LI-ION batteries for backing up GSM communicator function for up to 30 min.
- package includes:
 - 2x internal antennas AN-I
 - mini USB connector - power cord used for SW installation in the GSM communicator
 - SW connector 1
 - power supply adapter 12V 6W
- optional accessories: external antenna AN-E. More information on p. 50

Technical parameters	RFGSM-220M
Power	
Supply voltage:	11-30V DC; backup power supply LI-ION batteries
Maximum power consumption:	1W in standby mode / charging 1.6W
Current consumption:	90 mA AC1 /12V DC
Consumption during communication:	max. 500mA AC1 / 12V DC
Working band of GSM module:	850/900/1800/1900 MHz
Transmitter output power:	2W for GSM 900, 1W for GSM 1800
Inputs IN1, IN2, IN3, IN4	
Control voltage:	AC 12-230V or DC 12-230V (separated optocoupler)
Control input power:	AC 0.025 VA/ DC 0.1W
Length of control impulse:	min. 50ms/ max. unlimited
Inputs RF:	one-way/two-way addressed message 868 MHz
Outputs	
Number of contacts:	2x Switches (AgSnO ₂)
Rated current:	8 A / AC1
Switching power:	2500VA, 240 W
Min. switching power DC:	500 mW
Mechanical service life (AC1):	1x10 ⁷
Electrical service life:	1x10 ⁵
RF outputs:	two-way addressed message 868 MHz
Other data	
Operating system PC:	MS Windows XP and higher
Range of RF module:	up to 150 m
Operating temperature:	- 15 up to + 50°C
Operating position:	any
Mounting:	DIN rail EN 60715
Protection:	IP 20 from front panel
Overvoltage category:	II.
Contamination degree:	2
Cross-section of connecting wires (mm ²)	max. 1x2.5; max.2x1.5/ with a hollow max 1x2.5
Dimensions:	90 x 52 x 65
Weight:	198 g
Related standards:	EN 60730-1

Device Description

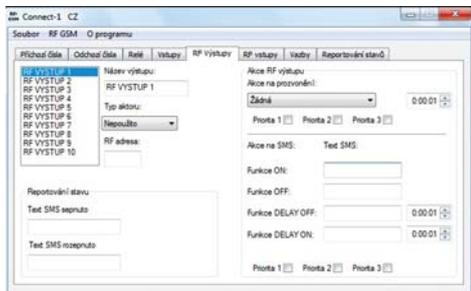


Connection



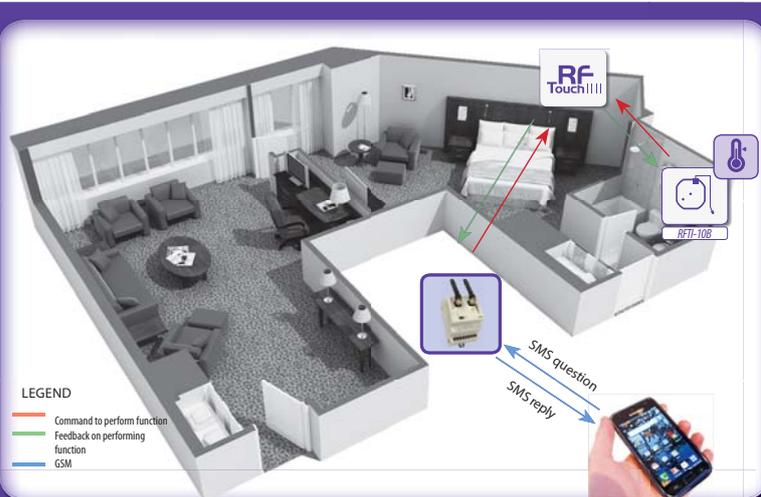
SW Connect1 for configuration of GSM gate

Available for download at www.elkoep.com/download/



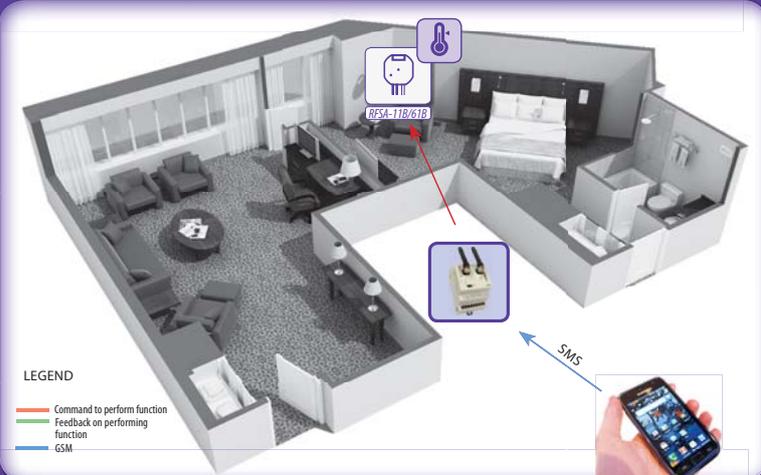
A

Thanks to the GSM communicator, you immediately know what the temperature is at home right now. Just send an SMS or ring the communicator once, the RF signal transfers this command to RF Touch and from RF Touch an SMS text message reply is sent back to your phone with the current temperature. You can then switch the heating on or off.



B

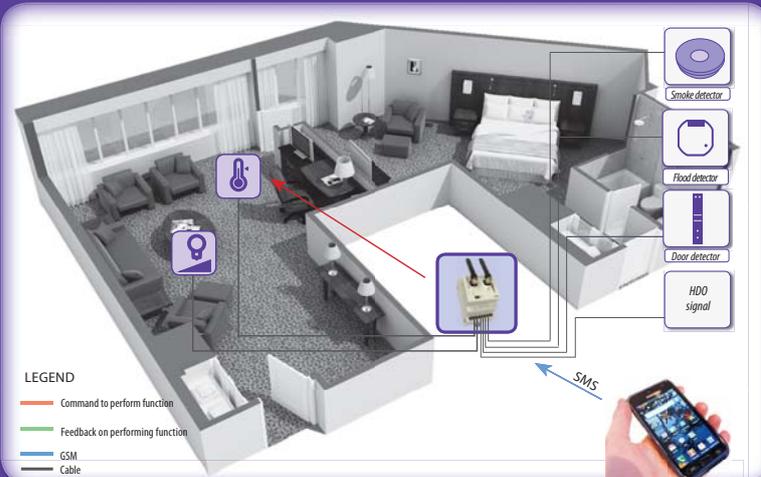
By sending an SMS or ringing once, you activate the GSM communicator, which sends an RF command to the temperature actuator, which then switches the heating (cable connection applied between the actuator and heater).



C

GSM communicator enables you to directly switch on up to 4 appliances. Its usefulness thus expands from simply switching into the area of detectors.

One of 4 inputs receives information from the detector and sends it by SMS to the given telephone number.



D

GSM communicator features a simple and secure function via dialing or key chain to activate the ARM / DISARM for guarding property.

ARM function = guarding

In the case of detection or changes in the detector, the gateway sends a command to switch the siren, and can send an SMS to the set-up number.

