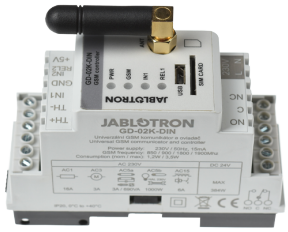
Universal GSM Communicator and controller

Code: GD-02K-DIN



The GD-02K-DIN Universal GSM communicator and controller allows you to remotely control and monitor the status of various appliances. Controlling can be performed using standard SMS or by dialling in.

Product description:

Using the GD-02K-DIN

Control

2 outputs – power and signal – activates / deactivates the output with an option to set an impulse (1 s – 24 h).

- Via SMS or by dialling from 100 phone numbers

Monitoring

- using an input it follows the status of anotherdevice (mains dropout, fault, etc.).

Temperature measuring

- with the possibility of a temperature sensor JB-TS-PT1000 measures the current score and reports when the limit value is exceeded

Thermostat

- using the JB-TS-PT1000 temperature sensor the GD-02K-DIN module measures the current temperature and according to the pre-set temperature (required or antifreeze) switches the REL1 power relay output (e.g. electrical boiler, heater). The required and antifreeze temperature can be set remotely by an SMS command and you can also switch between them.

Impulse counter

- allows you to connect up to two external consumption meters with an impulse output (e.g. electricity meters, gas meters, water meters) or one consumption meter with the distinction between low and high tariffs. The impulse counter mode provides information via SMS about their current status or about exceeding the pre-set limits.

Technical information:

Power	230 V AC/50 Hz, protection class II.
Wattage	Average standby 1.2 W (3.5 W relay switched on)

Protected	1 A; type A
Internal backup battery	Polymer Lithium-ion 300 mAh
Backup time	3 hours
GSM module bands	GSM/GPRS Quad Band 850 / 900 / 1800 / 1900 MHz
Relay 1 contact load	
Maximum switching voltage	250 V AC; 24 V DC
Resistive load (cos?=1)	max. 16 A
Inductive, capacitive load (cos?=0.4)	max. 3 A
Fluorescent lamps	max. 3 A/690 VA
Light bulbs (halogen lamps)	max. 1000W
Minimum switching DC power	10 mA; 5 V DC
The relay has galvanically separated contacts from the rest of the device and complies with safety requirements for isolation of up to 4 kV.	
Input IN1	Input is active when connected to GND, max. 24 V
Universal input/output IN2/REL2	Input is active when connected to GND, max. 24 V Output switches to GND, output protection 100 mA, max. voltage 24 V Inputs IN1 and IN2 are compatible with impulse output of Class B electricity meters according to the EN 62053-31.
TH inputs for digital thermometer (JB-TS-PT1000)	range -30 °C to +125 °C (max. cable length 10 m)
Auxiliary power output	+5 V DC/max. 100 mA, no backup
Operational temperature range	0 °C to +40 °C
IP covering	Front panel IP20
Dimensions (no antenna)	90 x 36 x 58 mm
Weight	140 g
Electrical safety	EN 62368-1
EMC	ETSI EN 301 489-7, EN 55024, EN 55032, EN 60730-1
Radio transmissions	ETSI EN 301 511
Can be operated according to	ECC/DEC/(04)06, ERC/DEC/(97)02, ECC/DEC/(06)01