ISM 1000 3G – QUICK USER GUIDE

*** For a quick Set up, follow the steps below ***

1. Read the installation procedure.
2. Install the power supply and wire up to the point of installation of the ISM 1000 3G interface.
3. **Use only micro SIM! Insert the micro SIM card with the golden contacts to the bottom, without forcing the SIM port! Delete the PIN code.**
4. Install the ISM10003G and connect the output.
5. Connect the ISM10003G to the power supply.
6. Wait until the YELLOW LED flashes at intervals of 5 s (0.5 s ON and 5 s OFF) and the BLUE LED starts flashing. Booting lasts about 30 seconds.

WIRING

Except for the power supply and the connection to the electric lock, no other wiring is required.

Pow er	+12 ~ 24 V cc or 10 ~ 20 Vca	Connect .	Green=D0 / White=D1 Red = +12V Black = GND Brown = Yellow LED =
IN1	Alarm 1 input		
IN2	Alarm 2 input		
1C	Common OUT relay 1	**GND**	0 V
1NC	Norm. Closed relay 1	**A**	RS485
1NO	Norm. Open relay 1	**B**	RS485 B
2C	Common OUT relay 2	**TMP**	Temperature probe - n.a.
2NC	Norm. Closed relay 2	**SIM**	Micro-SIM port
2NO	Norm. Open relay 2	**G - B**	GSM intercom
AUX	+12Vcc max 100 mA	**W - Y**	connection - n. a.
ANT	GSM antenna	**CB1**	Call button . n.a.
USB	Connection to PC	**AUX**	+12Vcc max 100 mA

Do not use AUX (+ 12V) to drive the electric lock: AUX feeds only external sensors up to a maximum load of 500 mA (for 1 min). Use a separate power supply for the electric lock.

PROGRAMMING WITH SMS (TEXT)

Note: Individual commands can be sent such as ;CLP1=3292288344; or multiple commands in a longer text message, but not exceeding 160 characters.

SET THE AUTHORIZED NUMBERS AT LOGON:
;+CLP1=3292288344;CLP2=xxxxxxxxxx;CLP3= xxxxxxxxxx;CLP4= xxxxxxxxxx;CLP5=xxxxxxxxxx; ... (up to 1000)

SELECT THE "OPEN ONLY AUTHORISED" MODE (only the stored telephone numbers can activate the output):
;+CLPEN=1;

REQUEST ISM10003G MEMORY CONTENT (the numbers stored in the memory with multiple SMS will be sent):;PCLP;

SET RELAY PULSE (default pulse 3 s; max 30; parameter = 1 for bistable):

;+OS1=30; (relay 1 pulse to 30 s)   ;+OS2=1; (relay 2 on-off)

SET THE JOG MODE OUTPUT (1ˢᵗ call OPENS, 2ⁿᵈ call CLOSES):

;+OS1R=1; (for relay 1)   ;+OS2R=1; (for relay 2)

ACCESS TO ISM10003G TO EDIT PARAMETERS. Set up to 5 telephone numbers (TN1-TN5) authorised to access the programming; SL (from 0 to 5) defines how many of these numbers are authorised for programming: ; Tn1 = 335238046; Tn2 = 3292288344; SL = 2; only these numbers can program the GSM interface and receive alerts.

OPERATION & TESTING

Follow the steps below to test the system ...

1. **POWER THE ISM10003G**: the yellow Led flashes once per second during network search phase and once every 5 seconds when the device is connected to the GSM network. The blue Led indicates the signal strength (1 flashing – low signal; 5 flashes-strong signal).
2. **PROGRAMMING WITH SMS**: The minimum programming is ;+CLP1=xxxxxxxxxx; (using your mobile phone)
3. **CONFIRM WITH REPLY**: in response to the text message, you will receive an SMS that confirms the setting.
4. MAKE a **CALL**: call the ISM10003G device with the phone number set as CLP1 to activate the output.

PROGRAMMING WITH EASYSET SOFTWARE

If the ISM10003G is working properly with SMS (procedure described above) proceed with the installation of the EasySet software and the USB drivers.

LOCATE THE SETUP FILE *.msi IN THE CD **SUPPLIED (ISM cloud\Easyset folder).** If the executable file is not present on the CD, request assistance to the technical to download it from the Internet.

INSTALLING THE EasySet SOFTWARE. Be careful to install the software version suitable for your operating system (x 86 for 32 bit Windows or x64 for 64 bit Windows).

CONNECT THE USB CABLE BETWEEN THE PC AND THE ISM10003G. The programming of the SIM card inserted in the interface is done with the device turned on and logged into the GSM network.

RUNNING THE SOFTWARE. Double click on the EasySet icon

SELECT THE COM PORT With Control Panel -> Device Manager, locate the assigned COM port from PC to ISM10003G. Subsequently, select the relative COM port and click Connect.

READING THE CONFIGURATION. Before programming the ISM10003G, read the configuration of the interface by downloading it on your PC. Use the different TABs of the device and carry out the required programming operations and SAVE THE CONFIGURRATION TO FILE for future use.

TROUBLESHOOTING

Check the following points first.

1. There is no connection: Switch the networks, move the antenna or check your connection, check the level of the signal (the blue LED should flash 3-5 times; 1 or 2 indicates a low level); check that the SIM card works by inserting it into a cell phone.
2. There is no activation of outputs: check the settings of authorised numbers (CLP1-CLP2-etc). Check that the gate connections are correctly wired on "open" or "start".
3. The software does not start or does not load the ISM10003G configuration. Check that the USB drivers are installed and that the ISM10003G is turned on and in the GSM network. Check the software version installed;

TECHNICAL SUPPORT

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