

The guidelines:

Before connection of the telephone to the controller it is recommended to clean contacts on the plug of the telephone.

It is not recommended to install the telephone in screened cavities, for example in metal tank of the security system or box for luggage of the automobile since it reduces a range of action of the telephone.

If necessary use the external antenna.

The requirements:

At usage of the controller with automobile security systems which inspect power of the on-board network, it is necessary to disable an option of a control of power, differently at the moment of charging the telephone there will be malfunctioning the security system!

In the telephone input PIN code, SECURITY code, and automatic keyboard lock should be disabled!

The telephone install whenever possible further from the controller and from the block of the security system because the transmitter of the mobile telephone by operation is a source of strong interferences!

Test security system weekly !!!

GSM ALARM

The Controller For Long Distance Security

Model: TUGA 100 Ver. 14



Installation:

1. To write in cell of 1 notepad of the telephone number, on which the controller will dial first of all, if that is necessary more numbers they are written in cells 2-7. If it is required to write in 8 cell 5 digit number.
2. Connect an input of activation of the controller to the security system.
3. Connect to the controller power supply for charging the telephone.
4. Power up the mobile telephone, wait not less than 30 ! Seconds, after that to connect the controller to the mobile phone (be convinced that the telephone is in the mode of charging), the light emitting diode during several seconds will begin fast to blink (programming of the controller), after that the light emitting diode will begin to blink once per 3 seconds, the controller is programmed and is in ready mode, and on the display of the telephone numbers of cells which from was read out the configuration, for example *1238 will be highlighted, If the configuration was not read out, on the display will be highlighted *#

At depositing any changes in cells 1-8 notepads of the telephone, for reprogramming the controller are necessary to disconnect the phone from the controller, then anew to connect, or to push the Reset button, if she is installed. After that the controller will be reprogramming.

If in a notepad (in cells 1-8) telephones are absent the information, at connection of the telephone to the controller, or pressing of the RESET button (if she is installed) in the controller there will be an information programmed earlier.

Main features of the system

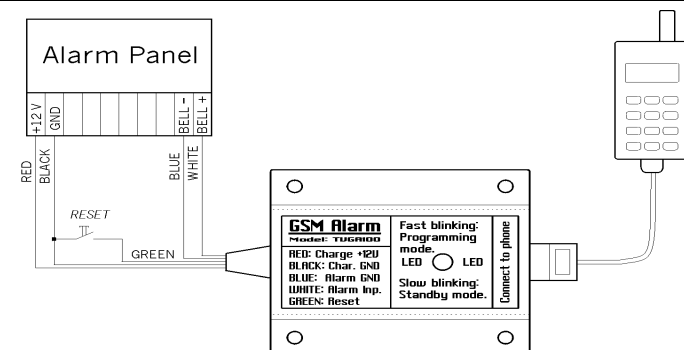
- The controller is intended for transmissions of the alarming which has acted from the security system through the mobile telephone the GSM system.
- Compatibility with mobile telephones Ericsson of a series 868, 888, T10s, T18s, A1018s.
- Urgent dialup under preprogrammed numbers of telephones in case of activation of the controller.
- The possibility of usage will dial to 7 telephone numbers on which telephone in case of activation of the controller.
- Possibility to program quantity dialup from 1 up to 9.
- Smart dialing system.
- Possibility of activation of the controller as by a signal of a low level 0... + 3V, and signal of a high level + 7... + 30V.
- The galvanic untied input of activation of the controller.
- Possibility to program time from 0 to 9 seconds, at which the controller will not be activated at appearance of a activated signal on an input. (The function is necessary for installation in the car.)
- The charger, built - in the controller, for the telephone.
- Possibility to use for charging the telephone power from + 10 up to + 30 volts.
- The controller receives power supply from the telephone.
- Presence of the LED indicator of a status of the controller.
- The controller does not lose the programmed data at complete deenergization.
- Presence the TEST mode.
- Simplicity at programming telephone numbers in the controller.
- Simplicity in installation and maintenance of the controller.
- Possibility of usage TVGA100 with a wide spectrum of security systems.

Assignment of signals:

RED : Charge +12V	Red - power of charging of the telephone + 10... + 30 volts.
BLACK : Charge GND	Black - power of charging of the telephone a common wire of the controller.
BLUE : Alarm GND	Blue - power of activation of the controller, the common wire, has a galvanic isolation from a common wire of the controller.
WHITE : Alarm Input	White - power of activation of the controller + 0... + 30 volts, have a galvanic isolation from the controller.
GREEN : Reset	Green - the reset of the controller becomes short with a black wire, is intended for forced reset, if it is necessary to interrupt operation of the controller, as for reprogramming the controller, after modification in a notepad of the telephone. Is installed by necessity.

Technical parameters:

Supply voltage of the controller:	+ 3 ... + 5V (moves from the phone)
Power of charging of the phone:	+10 ... +30V
Current of consumption of the controller in the mode of charging of the telephone:	0,5A
Current of consumption of the controller in the mode of saving charging:	10 mA a space 55 seconds, 0,5A impulse 2 seconds.
Input voltage of activation of the controller:	0 ...+ 3 in a low level, + 7...+ 30 in a high level.
Range of operating temperatures:	- 30... + 60 degrees.



Assignment:

The controller is intended for transmissions of the alarming which has acted from the security system through the mobile telephone the GSM system.

The application of the device for protection of various objects is possible: the house, office, garage, summer residence, automobile and so on.

The application of the controller on manufacturing, for remote warning about an output of technological processes for limits of norm is possible.

The description:

The controller is compatible with telephones ERICSSON 868, 888, T10s, T18s, A1018s.

The programming of the controller (through the telephone) is carried out at the moment of connection of the telephone to the controller, or at the moment of pressing the RESET button if she is installed, through of reading of the information from a notepad of the telephone (SIM) and saving her in nonvolatile memory of the controller

The controller is connected to the security system and is activated at operation, through feed of a pilot signal on an input of the controller of power of a low level (0... + 3V), or power of a high level (+ 7... + 30V). At activation of the controller, the mobile telephone starts to dial under numbers of telephones written in a notepad of the telephone (SIM) of cell 1... 7. At first is dialed written in cell 1, is then dialed written in cell 2 and so on. The quantity of dialups can be programmed.

The controller receives power supply from the telephone. The charger for the telephone is built - in in the controller. For charging the telephone to red (+) and black (-) wires of the controller the power + 10...+ 30V is connected, for example, power supply of the security system, or internal power network of the automobile.

On expiration of 1-2 hours after connection of the controller the telephone will be charged and will proceed in the mode of saving charging.

If during operation the telephone will be switched off, the controller will switched on the phone.

If during operation the telephone will lose link with a base station on time more than 45 seconds, the condition of forced searching for of a base station will join: the controller will switch off the telephone then again will switch power on.

Options:

For set-up of additional parameters of the controller, in 8 cell of a notepad of the telephone is brought 5 digit number:

First digit: 0 or 1 points at what pilot signal the controller will be activated. If is written 0 those controllers is activated at change of a control voltage from a high level (+ 7... + 30V), up to voltage of a low level (0... + 3V), that at as during missing of voltage (+ 7... + 30V) from a white wire. If is written 1 that controller is activated at change of a control voltage from a low level (0... + 3V) up to a high level (+ 7... + 30V), that is at appearance of power (+ 7... + 30V) on a white wire.

Second digit: 1...9 defines how many attempts dialup will do the telephone. If in an option digit 3 is recorded, the controller will do maximum 3 attempts to dialup to the telephone which is occupied or to be outside of an operative range of a GSM network or the user does not respond on a bell. If there was a connecting with one of numbers, the dialup under this number will be stopped, is not depended on digits of an option. The dialup under other numbers will proceed up to a moment of connecting, but it is no more than digit of an option.

Third digit: 0 ... 9 defines time from 0 to 9 seconds, at which the controller will not be activated at appearance of a pilot signal on an input. An example: if digit 0 that controller is written is activated at once at appearance of a pilot signal on an input, if digit 3 that controller is written is activated at appearance of a pilot signal is long more than 3 seconds. The option is intended for installation of the controller in the automobile.

Fourth digit: 0, 1 or 2 mode of receiving calls.

0 - reset of all calls

1 - Reception of all calls (raising of a tube)

2 - Reception only of calls of which number there are at cells 1-7 notepad of the telephone.

Fifth digit: 0 ... 7 amounts of numbers for dialup.

0 or 7 in dialup 7 numbers, 1-7 cells of a notepad of the telephone participate all.

3 numbers from 1, 2, 3 cells of a notepad of the telephone participate only in dialup.

If in 8 cells nothing is written, by default these digits 12020.