

INTERFACE C14

(v. 160824)

Installation manual

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1 Interface C14

The interface C14 is an external hardware interface used to connect the security control panel's telephone communicator with the communicators **G10 (G10D, G09), E10, T10**. Communicator receives information throughout interface C14 and resends it to the monitoring station. Particular communication channel depends on type of transmitting module.

An algorithm of alarm transmission is set by the security control panel. There is no need to configure or program the interface C14.

2 Application

The interface C14 is used in intrusion alarm transmitting systems to increase the reliability of information transfer. It is done using two algorithms, which allows to select which channel to use while transmitting data.

3 How it works

The interface C14 is pulled in the terminal block of communicator (if the male segment of connector is pulled out) and wired to clamps TIP and RING of security control panel.

After detecting an event, the security control panel dials the interface C14 by its number 1234 and reports in codes of Contact ID protocol in DTMF tones. The interface C14 answers and receives information as a telephone receiver. Received information is immediately directed to the transmitting module in its compatible format. Depending on the type of transmitting module, information is transferred to the monitoring station.

An external landline can be connected to the clamps T-1 and R-1 of interface C14. In case of alarm, security control panel also dials the monitoring station whereas the interface commutates this communication.

An alarm transmission from the protected object to monitoring station can be performed through:

- Data are transmitted through the interface to the communicator;
- Data are transmitted through the interface to the communicator and to the landline.

4 Package content

Interface C14 SMP board	1 pc.
Connector N6 (male segment)	1 pcs.
Installation manual	1 pc.

5 Technical parameters

Name	Description
Information receiving	in codes of Contact ID protocol by DTMF tones
Fixed telephone number	1234
Power supply	12.6 V / 60 mA, permissible voltage from 10 to 15 V
Dimensions	65 x 60 x 15 mm
Operating environment	Temperature from -10 °C to +55 °C Relative air humidity up to 95 % with +20 °C temperature

6 Light indication

LED	Operation	Description
WDG	Green flashing	Interface power supply is ON and microprocessor is functioning

CHN	OFF	When control panel telephone communicator is connected with telephone landline.
	Green ON	When control panel telephone communicator is connected with interface C14
DAT	Yellow flashing	Interface C14 is receiving data
H	Red ON	When control panel telephone communicator is dialing

7 Bringing the alarm transmitting system into operation

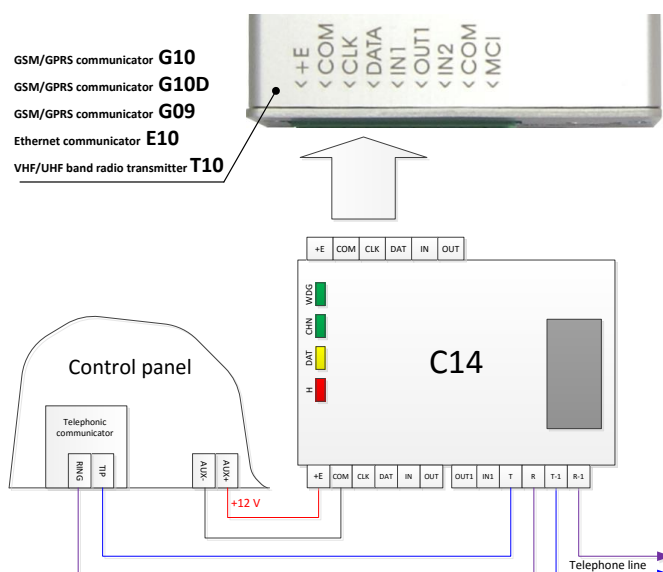
1. Configure the transmitting module G10 (G10D, G09), E10, T10. Follow the installation manual for a particular transmitting module and the recommendations given below.
 - 1.1. Set the parameters for connection with the receivers at monitoring station.
 - 1.2. Select the firmware interface between transmitting module and interface C14. During the transmitting module configuration select the element *Interface C11* in the list Panel Type.
2. Program the control panel. Follow the programming manual for particular security control panel and the recommendations given below.
 - 2.1. Enter a four-digit identification number of the security control panel (and/or partition).
 - 2.2. Enter telephone numbers, which the control panel will call after registering an event.
 - 2.3. Set the telephone communicator calling mode with DTMF tones.
 - 2.4. Set Contact ID automatic or Contact ID programmed message-coding mode.

Note: if the *Contact ID programed* message coding mode is set, enter the necessary message codes.

- 2.5. Set the control panel telephone communicator calling mode according to the selected message sending algorithm. Follow the recommendations given in table below.

Message sending algorithm	Actions
Through the interface to the communicator	a) Enter the interface C14 telephone number 1234.
Through the interface to the communicator and to the landline	Specify that after registering an event, the control panel would dial 2 numbers in turns (or the same time). a) Enter the number of interface: 1234. b) Enter second number: monitoring station number.

3. Take out the male part of connector from the transmitting module terminal block and while aligning to the left corner, insert in its place the interface C14. Make wirings according to the scheme given below.



Note: if signals of control panel are directing to transmitting device only, wiring the external telephone line to clamps T-1 and R-1 is not required.

4. Operation and connection control.

4.1. After devices are connected and control panel power supply is on, the LED **WDG** should be flashing green and the message-transmitting module should start operating (see the corresponding installation manual for transmitting module light indication meanings). Interface's LED **CHN** shows if the control panel telephone communicator is connected to the interface or to the telephone landline.

4.2. Create a security system event (e.g.: turn security system ON/OFF, disturb a certain zone, plug the power supply or batteries off and etc.) and observe if messages are being sent. No less than ten different security events should be created.

4.3. If messages from control panel are being sent by the transmitting device through GSM/Ethernet connection channels, when the interface will receive the control panel telephone communicator message, the LED **H** will start shining and later the LED **DAT** will start flashing.

4.4. Contact the security station and inquire if all control panel messages were received through the specified communication channels.

4.5. If all messages created by the control panel were successfully received by the security station receivers, message transmission equipment is installed correctly.

Note: All messages transmitted by the control panel should be described correctly in the security station monitoring software.