

Central monitoring station

PSTN/USB

PCN1P-PSTN

Data sheet

Device identification number

1. General Information

The central monitoring station PSTN/USB (hereinafter referred to as device) is designed for receiving messages through urban telephone network (PSTN) from object panels of different manufactures via Ademco ContactID protocol in the voice communication channel.

2. Manufacturer

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3. Package Contents

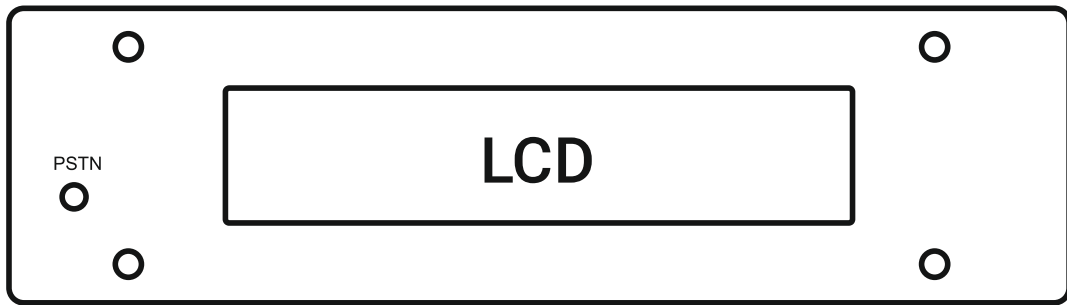
Central monitoring station PSTN/USB	1 pc
Power cable 220V	1 pc
Cable RS-232	1 pc
Cable USB	1 pc
Data sheet	1 pc
Package	1 pc

4. Technical Specifications

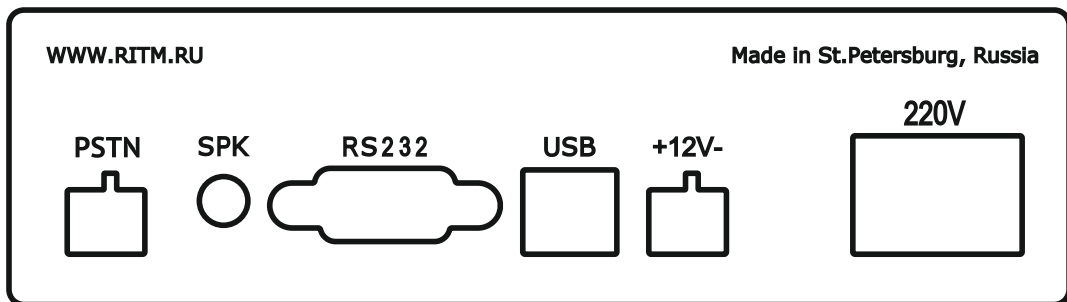
Specification	Value
Communication line	PSTN
Transmission type	Voice (DTMF)
Quantity of lines	1
Voltage variation protection in wired telephone network	Present
Data exchange protocol for control panels	Ademco ContactID
Exchange protocol for monitoring software server ¹	Surgard
Object control panels	Ritm, ISECO, Ademco, Paradox, C-Nord, Visonic, Naviguard and other software supported Ademco ContactID
Monitoring software server connection method	COM port (RS-232 or USB)
Memory	30 events
Supply voltage, V	12±2
Energy consumption, A	in standby mode: max 0.06
	in receipt mode: max 0.3
Dimensions, mm	47×156×150
Operating temperature range, °C	-40...+50

¹ Enables to use at the server any third party software (WinSAMM, Terminal, Andromeda, Paradox etc.)

5. Designation of Elements



Device front panel



Device back panel

Connector	Designation
PSTN	LED indicator of incoming call
LCD	LCD
PSTN	Connector for urban telephone network connection
SPK	Connector for speaker connection
RS232	Connector for computer connection via RS-232 cable
USB	Connector for computer connection via USB cable
+12V-	Connector for an external power source connection +12V
220V	Connector for a network power source connection 220V, 50Hz

6. Visual Indication

PSTN Indicator state	Mode
Off	Phone line is free
Blinking	Incoming phone call
Always on	The connection with security and fire alarm panel is established

The LCD shows all details required for device operation.

7. Getting Ready for Operation

1. Switch off device power.
2. Connect the urban telephone line (UTL) to the PSTN connector on the device rear panel.
3. Connect the device to a monitoring server via USB- cable (USB connector) or RS-232 (RS232 connector).
4. Install the device in the preferred location. Do not place the device in the vicinity of EMI sources.
5. Connect the mains power cable to the 220V connector and a 12V backup power source to the +12V- connector.



When the main power (220V) fails the device automatically switches to the backup power supply (12V).

6. Power on.
7. To work with the RITM-Link program use the virtual COM-port. Add an incoming stream through communication channel TCP/IP. Specify Surgard as a protocol.



Note that the monitoring station supports only a 4-digit number transmitted by the device in the Ademco ContactID parcel as an object device ID.

8. Device Operation Algorithm

1. Switching on and starting.
2. Switching to the waiting mode of incoming calls from security panels.
3. Upon incoming call show the caller number on the display.
4. Alternative output of event digital codes to the display.
5. Transmission of event data to the COM-port.
6. Disconnecting the station and the panel and switching to the section 8.2.

9. Maintenance and Safety Measures

At least twice a year, check the state of contacts and input leads in order to avoid mechanical defects. If necessary, clean the bonding pads and remedy wire insulation issues. At least once a month, check the availability of funds on account of your operator GTS.

All installation and maintenance activities applied to the device should be performed by duly qualified personnel.

10. Transportation and Storage

The device should be transported in packaging in closed vehicles. Storage premises should be free of current-conducting dust, acid and alkaline fumes, corrosive gases and gases harmful to insulation.

11. Manufacturer's Warranties

The manufacturer guarantees that the device complies to requirements of the technical specifications, provided the client ensures compliances to conditions of transportation, storage, installation and operation.

Although **the warranty period** is 12 months from the commissioning date, it may not exceed 18 months from the production date.

The warranty storage period is 6 months from the production date.

The manufacturer shall not be responsible for quality of data links provided by UTL service providers.

The manufacturer reserves the right for modification of the device in any way that does not degrade its functional characteristics without prior notice.

12. Information on Claims

In case of a device failure or defect during the warranty period, please fill out a malfunction report specifying the dates of the release and when the device was installed as well as the nature of the defect and submit it to the manufacturer.

For Notes

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