

Wired modem for phone line (PSTN)

**5RT1**

Data sheet

Device identification number

## 1. General Information

The wired modem for the telephone line 5RT1 is designed for message transmission to the monitoring station "Contact LINE" from security and fire alarm panels "Contact GSM-5-RT-1", "Contact GSM-5-2" through the wired telephone line via Ademco ContactID DTMF protocol.

## 2. Manufacturer

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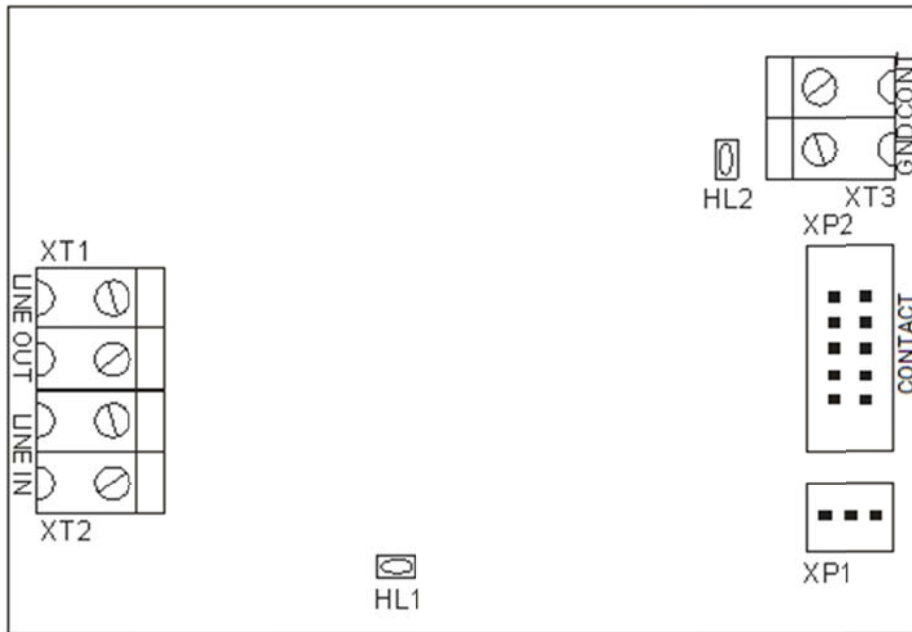
## 3. Package Contents

Wired modem for telephone line 5RT1	1 pc
Narrow loop	1 pc
Data sheet	1 pc
Package	1 pc

## 4. Technical Specifications

Specification	Value
Communication lines	Urban telephone network
Network status monitoring	Yes
Data exchange protocol	Ademco ContactID
Supply voltage, V	12
Power consumption in standby mode, mA	Max 15
Power consumption in transmission mode, mA	Up to 800
Dimensions, mm	55×80
Operating temperature range, °C	-30...+35

## 5. Designation of Elements



Element	Designation
XP1	Service connector
XP2	Connector for Contact GSM-5-RT1 and Contact GSM-5-2 connection
XT1	Terminals for phone connection (output)
XT2	Connector for urban telephone network connection (input) (PSTN)
XT3	Bare collector terminals
HL1	Number dialing indicator
HL2	Telephone line voltage indicator

## 6. Visual Indication

Indicator	State	Note
HL1	Blinking	Number dialing...
	Off	No dialing
HL2	On	Telephone line voltage is present
	Off	No telephone line voltage

## 7. Getting Ready for Operation

1. Install the modem board to the Contact enclosure.
2. Switch off the panel power (if the power is on).
3. Connect the modem (connector XP2) to the panel (connector TELCO).
4. Connect the urban telephone line cable to terminals XT2 (the telephone is connected to the terminal XT1).
5. To monitor the telephone line the device provides the additional connection to the panel through the open collector (XT3) (panel loops should be setup as “dry contacts”). To connect loops connect the terminal CONT of the modem connector (XT3) with the terminal “-” of a panel connector. Upon voltage dropping in the telephone line (LINE) below  $5.5\pm 0.5V$  the panel sends the event alarm to the panel.
6. Power on the panel board.

## 8. 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. Pay for urban telephone network provider services in time.

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

## 9. Transportation and Storage

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

## 10. Manufacturer's Warranties

The manufacturer guarantees that the device complies to requirements of the technical specifications provided to 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 urban telephone network 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.

## 11. Information on Claims

In case of a device failure or defect during the warranty period, please fill in a malfunction report specifying the dates of issue and commissioning of the device and nature of the defect and submit it to the manufacturer.