

The MDM56 BO analog modem was designed with the intention to provide remote communication with SATEL made alarm control panels. It is dedicated for installation at the INTEGRA and CA-64 series control panels. It can be connected to the control panel as a so-called "external modem". These control panels are fitted with a built-in modem, but its transmission rate is limited to 300 bauds. Connection of the external modem enables programming with the same speed as with the computer being directly connected to the control panel RS-232 port.

Modem features

- Maximum data transmission speed: 56 kb/s.
- Supported protocols: ITU-T V.90, V.34, V.32bis, V.32., V.23, V.22bis, V.22, Bell 212A, V.21 and Bell 103.
- Automatic recognition of transmission speed through RS-232 port.
- +12 V DC power supply, typical for security alarm systems.

Modem description

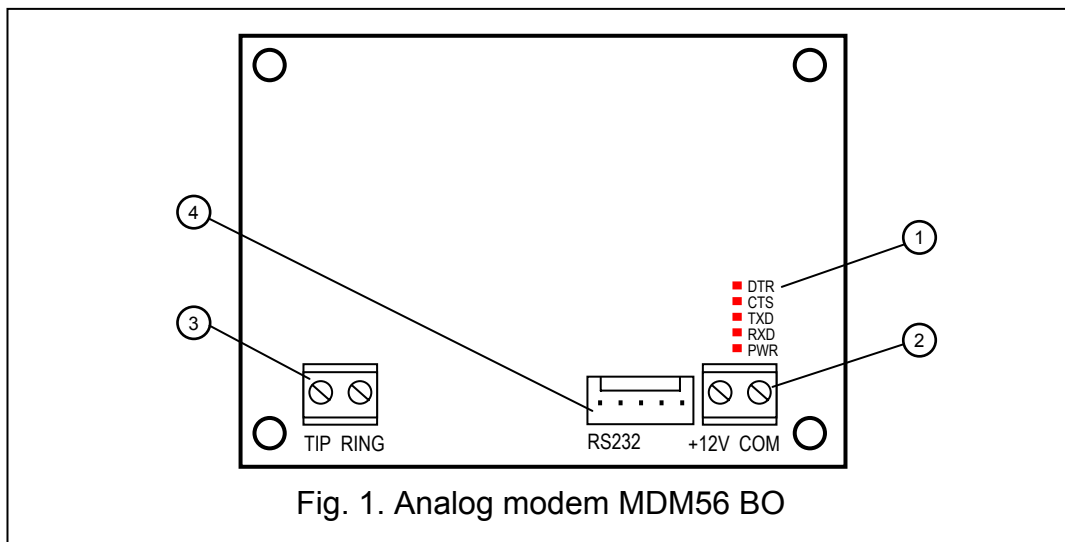


Fig. 1. Analog modem MDM56 BO

Explanations for Fig. 1:

1 – **LEDs:**

- DTR** – modem ready to receive data
- CTS** – modem ready for data transfer
- TXD** – modem is transmitting data through RS-232 port
- RXD** – modem is receiving data through RS-232 port
- PWR** – power

2 – **+12V** and **COM** terminals for power connection from control panel or power supply unit

3 – **TIP** and **RING** terminals for analog telephone line connection

4 – **RS-232** socket for modem connection to alarm control panel

Installation and connection of modem to control panel

The MDM56 BO modem can be installed in common housing with the control panel or individually in the OPU-1A plastic enclosure, much in the same way as other expanders without power supply, designed for the same control panels.

In order to connect the modem to the control panel, follow the procedure below (for details, see the installer manual for the respective control panel):

1. Using the cable included in the delivery set, connect the modem RS-232 port to the control panel RS-232 port.
2. Connect the telephone line wires in parallel to the TIP and RING terminals of control panel and modem.
3. Connect power from the control panel to the +12V and COM terminals.
4. Program the control panel settings so as to enable interaction with the external analog modem.

NOTES:

- If the DWNL-RS function (programming via RS port) is running in the control panel, switch this function off before you proceed to programming the control panel through the external modem.
- The modem requires no configuration, as the factory settings ensure interaction with the SATEL made INTEGRA and CA-64 control panels.

Specifications

Supply voltage 12 V DC \pm 15%
 Mean current consumption.....110 mA
 Protocols:ITU-T V.90, V.34, V.32bis, V.32., V.23, V.22bis, V.22, Bell 212A, V.21, Bell 103
 Working temperature range (Class II):-10 to +55 °C
 Weight..... 92 g

DECLARATION OF CONFORMITY



Product:

MDM56 BO – PSTN modem for remote uploading/downloading

Manufacturer: SATEL spółka z o.o.

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Product description: 56kbps multi protocol telephone modem dedicated for remote uploading/downloading of SATEL intruder alarm control panels.

This product meet the essential requirements of the following EU Directives:

EMC 89/336/EWG + 91/263/EEC, 92/31/EEC, 93/68/EEC

R&TTE 1999/5/EC (network connection, TBR21)

Following harmonized standards have been applied for conformity assessment:

EMC: EN 55022:1998; EN 50130-4:1995; EN 61000-4-2/-3/-4/-5/-6

R&TTE: TBR21(1998)

Gdańsk, Poland 2006-04-03

Head of Test Laboratory:
 Michał Konarski

The latest EC declaration of conformity and product certificates can be downloaded from our website
www.satel.pl