Satel®

DT-1
DIALER

QUICK INSTALLATION GUIDE

Full manuals are available in electronic form on www.satel.eu
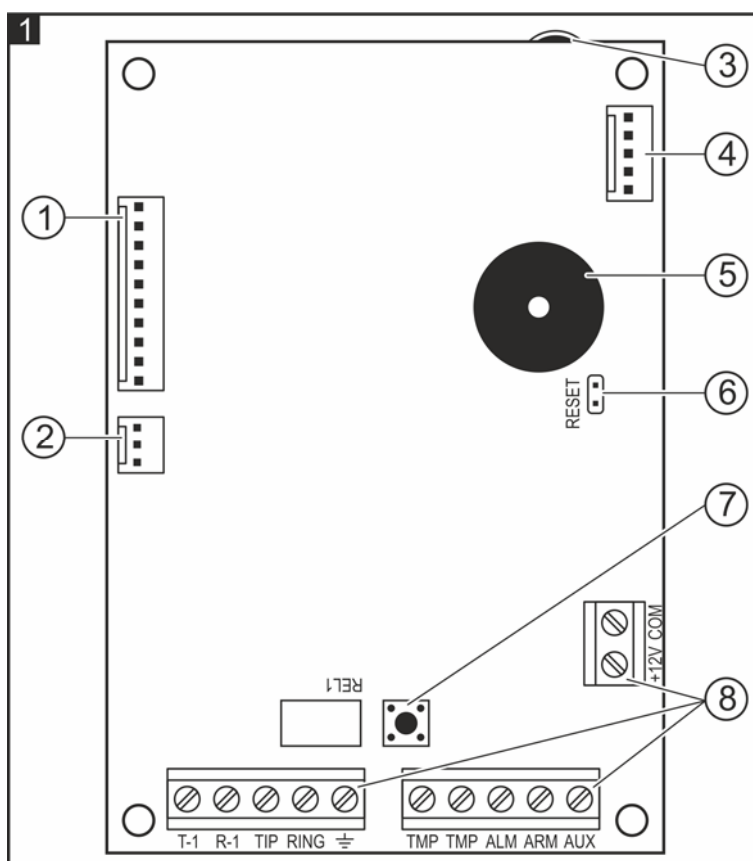
1. Introduction

The DT-1 dialer enables alarm messages to be sent via analog telephone lines. It is designed for the alarm control panels which are not provided with an on-board telephone communicator.

2. Electronics board

Explanations to Fig. 1:

① keypad connector.

② RS-232 port for connecting the dialer to computer serial COM port. To make the connection, you can use the SATEL USB-RS converter.

③ microphone.

④ connector for connecting headset sockets.

⑤ sounder.

⑥ RESET pins for entering the service mode and restoring the dialer factory default settings.

⑦ tamper switch activated by opening and/or tearing the enclosure off the wall.

⑧ terminals:

T-1; R-1 - telephone line output (telephone set connection).

TIP; RING - telephone line input (analog PSTN line).

⏚ - protective terminal. Connect it to the protective earth conductor (PE) of the 230 V AC mains. Never connect it to the neutral conductor (N).

TMP - tamper output.

ALM - alarm signal input.

ARM - alarm system armed mode signal input.

AUX - additional alarm signal input.

+12V - power input.

COM - common ground.

3. Installation

⚠️ **The device should be installed by qualified personnel.**

Disconnect power before making any electrical connections.

The dialer is only compatible with analog subscriber lines. Connecting the telephone circuit directly to a digital network (e.g. ISDN) will cause damage to the device.

1. Open the enclosure.
2. Make a hole in the base of the enclosure to insert the wire harness.
3. Run the wires through the prepared hole.
4. Secure the enclosure base to the wall.
5. Connect the wires to the appropriate terminals. Power (terminals +12V and COM) can be supplied directly from the control panel or from an additional power supply unit.
6. Close the enclosure and turn power on.
7. Use the keypad on the enclosure to configure the dialer and program the service functions (service mode) as well as the user functions (programming mode). Access to the service mode is protected with the service code "**12345**", and to the programming mode – with the user code "**1234**". Use the "**#**" button to confirm the codes entered. It is recommended that you change the factory codes as the dialer is used for the first time. You can configure the dialer and program its functions by using a PC computer running the DT-1 Soft program, which can be downloaded from the www.satel.eu website.

Note: For detailed information on how to configure and program the dialer, please refer to the full version of the manual, which is available in electronic format on the www.satel.eu website.

4. Specifications

Supply voltage .... 12 V DC (±15%)
Standby current consumption .... 30 mA
Maximum current consumption .... 80 mA
Environmental class II
Operating temperature range .... -10...+55 °C
Enclosure dimensions .... 145 x 90 x 38 mm
Weight .... 203 g

Note: Momentary drop in supply voltage below 11 V (e.g. when testing the status of battery which is running low or is not connected to the control panel supplying the dialer) will restart the dialer, which is signaled by two long beeps.

The declaration of conformity may be consulted at www.satel.eu/ce