MONITORING STATION
RECEIVER CARD CASE
STAM-BOX

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The STAM-BOX case is designed for installation of the monitoring station receiver cards provided with PCI connector:

− STAM-1 P – base telephone receiver card;
− STAM-1 R – expansion telephone receiver card;
− STAM-1 K – expansion telephone termination receiver card;
− STAM-1 PE – base Ethernet receiver card;
− STAM-1 RE – expansion Ethernet receiver card.

1. Features

• 14 PCI slots for installation of telephone or Ethernet receiver cards.
• Built-in power supply unit, made by SATEL, 12 V DC, output current 3 A, with an option to connect 12 V battery.
• Short-circuit and overload protection of the power supply unit.
• LED indicators of the receiver card and power supply status.
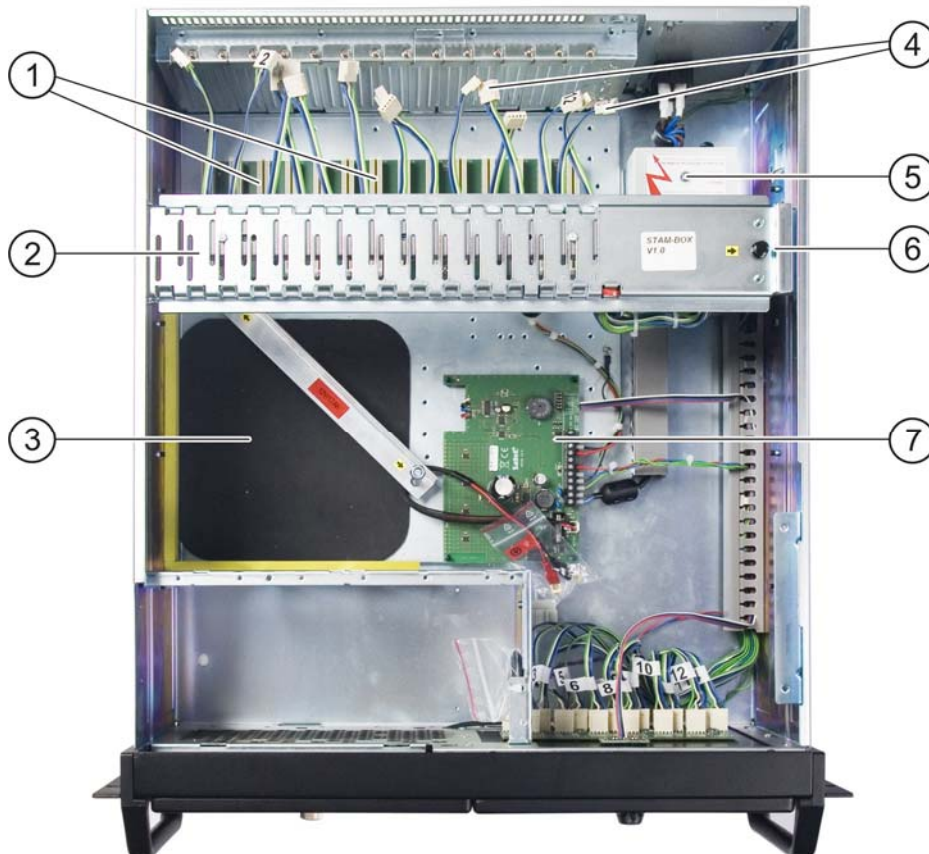• Suitable for installation in the 19" rack cabinets.

2. Description

Fig. 1. STAM-BOX case with removed top cover.

Explanations for Fig. 1:

1 – **14 PCI slots** for installation of telephone or Ethernet receiver cards.
2 – **metal rail** to stabilize the cards.
3 – **place for the battery**.
4 – **cables** for connecting the receiver cards and the card status LED indicators. Each wire is designated by a number from 0 to 13 to facilitate the card-LED matching.
5 – **transformer**.
6 – **metal rail locking element** (pull it up to unlock).
7 – **power supply unit** from SATEL, 12 V DC, output current 3 A.

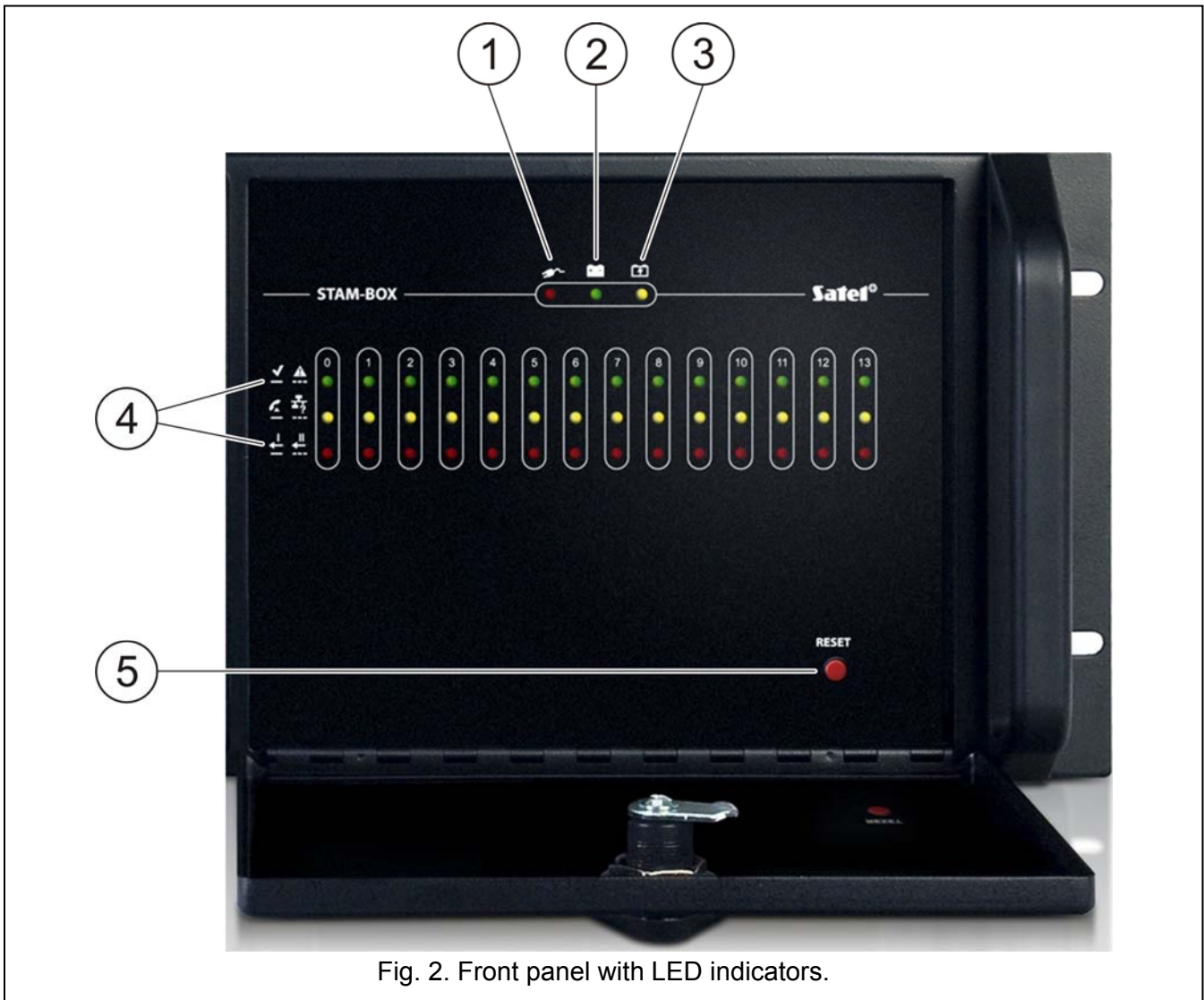*Note:* *At the case back panel, the AC power On/Off switch is provided.*
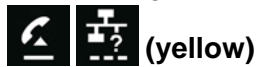

Fig. 2. Front panel with LED indicators.

Explanations for Fig. 2:

1 – **LED** ⚡ **(red)**. Lit – AC power OK.

2 – **LED** 🔋 **(green)**:
   – lit – battery OK;
   – blinking – low battery.

3 – **LED** 🔋 **(yellow)**. Lit – battery charging.

4 – **LED indicators of card status:**

 (green)

- lit – card working OK;
- blinking – telephone line trouble [telephone card] / no Ethernet network [Ethernet card].

 (yellow)

- lit [telephone card] – receiver off-hook;
- blinking [Ethernet card] – no communication with the object stored in the card memory.

 (red)

- lit – card receiving an event;
- blinking [telephone card] – card receiving the same event again (no parity format).

5 – **card reset button**.

The following items are delivered with the STAM-BOX:

- keys to the door protecting the front panel with LED indicators,
- power cord.

3. Installation

Prior to installation of the receiver cards or the battery, remove the top cover. Having completed the installation work, replace the top cover.

Note: Considering its weight, the case can be mounted in the 19" rack type cabinets on rails or a shelf that will support the rear part of the case.

3.1 Installing receiver cards in the STAM-BOX case

Turn off power supply before you install the cards (the battery must be disconnected).

1. Unlock the metal rail (shown as item 2 in Fig. 4) and remove it.
2. Set address of the card which is to be installed in the case.
3. Mount the card in the selected PCI slot (if the numeration of the cards is to correspond to the addresses set in them, mount the card with address 0 in the first slot from the left, the card with address 1 – in the second slot from the left, etc.).
4. Connect the card to the LED panel, using the cable designated by a corresponding number (the front panel LEDs designated by this number will indicate the card status).
5. If an expansion card is to be mounted, connect it to the base card (or another expansion card). The connecting cable is delivered with the card.
6. When mounting more cards, repeat the steps 2 to 5.
7. Put the metal rail back to its position and lock it.
8. Connect the telephone line or network cable to the installed cards.
9. Using the suitable cable, connect the base card DB-9 connector to the computer COM port.

3.2 Connecting the STAM-BOX power supply

Notes:

- *Only a battery whose design enables it to work in the horizontal position can be installed in the equipment.*
- *Transportation of the equipment is only allowed without the battery installed. The battery must be transported separately.*
- *Do not discard the used batteries. They should be disposed of in accordance with local environmental regulations.*

- *When mounting the case on the rails in the 19" rack cabinet, the battery can be mounted after the case is screwed to the rails.*
1. Remove the battery metal holder.
2. Install the battery with contacts facing the power supply unit.
3. Connect the battery to the dedicated leads (positive terminal to RED lead, negative terminal to BLACK lead).
4. Replace the battery metal holder.
5. Connect the STAM-BOX case to the 230 V AC mains, using the included connecting cord.

4. Specifications

Supply voltage .... 230 V AC
Recommended battery .... 12 V / 17 Ah
PCI slots for receiver cards 14
Environmental class II
Operating temperature range .... -10°C…+55°C
Maximum humidity.. 93±3%
Case dimensions .... 550 x 480 x177 mm
Weight (without cards)...14.7 kg

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