



DECLARATION OF CONFORMITY SILENTRON SpA hereby declares that the above described equipment complies with the essential requirements and with the other relevant provisions of Directive 1999/5/EC and applicable standards. This is a level 2- environmental class II product.

GENERAL WARNINGS - PLEASE READ CAREFULLY BEFORE USING THE EQUIPMENT

Installation: any installation, maintenance and/or change made to this device must be performed by qualified technicians. These operations may be subject to additional specific technical regulations to which the unit must comply. This equipment is to be used exclusively indoors.

Electrical connections: any electrical connection, without any exception, must be made in a workmanlike manner by fixing all of the wires with cable ties in order to avoid accidental disconnection. Make sure to properly close the housing of the device. Disconnect all electrical connections exceeding 25V before opening the housing of operating units.

External power supply: use power supply unit part. no. 5991 or a stabilized 12VDC source.

Back-up batteries: use two AA 3.6V 2Ah lithium batteries. Place and connect batteries according to the polarity provided in the instructions and in battery manufacturer's instructions. Exhausted batteries must be disposed of in compliance with current regulations. Extract batteries from any device being destroyed. Protect your hands with silicone gloves in the event of battery leakage.

Liability: the manufacturer disclaims any liability resulting from an improper installation and/or maintenance, improper use and/or failure to use the supplied equipment.

Warranty: 3 years, cording to the terms and conditions described in the General Catalogue.

1) OVERVIEW

Vocalphone Senior is a two-way GSM transmitter used to transmit and receive signals from and to any hardwired alarm system. This unit may also be used for applications requiring that up to 4 pre-recorded voice messages and up to 4 SMS text messages are transmitted over the GSM line with the option to receive up to 2 commands managed by appropriate optional relays.

For example:

- Transmitting pre-recorded voice messages or programmable text message to any type of monitoring system with the option to remotely transmit two commands over the phone.
- Enabling an output when receiver recognizes the calling number (up to 63 numbers – home automation functions such as gate opening, etc.)

2) TECHNICAL AND OPERATING FEATURES

This device operates using a 12 VDC power supply unit or Silentrion's part. no. 5991 power supply unit. In the event of power failure, back-up power is supplied by two lithium batteries (not included). The unit will not operate in the event of power failure if it is not supplied with batteries.

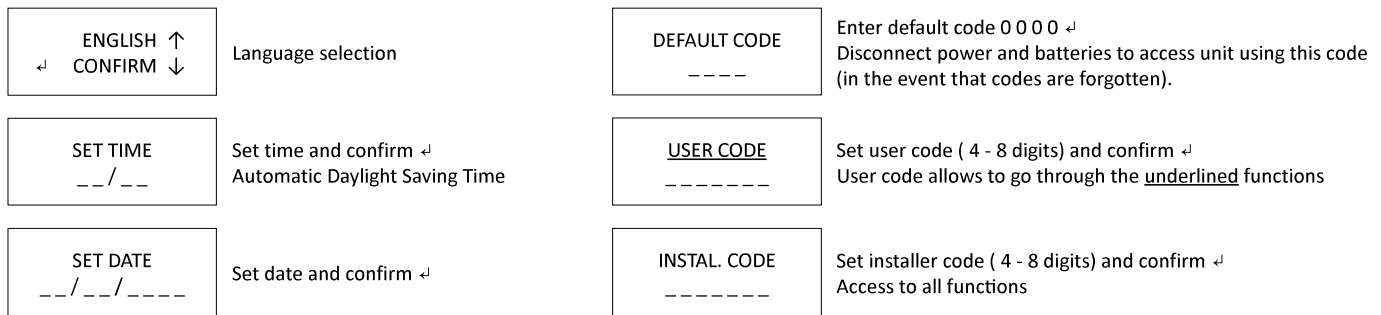
- Built-in alphanumeric keypad and 2x16 characters display.
- Intuitive prompt-driven setup menu.
- 4 recorded voice messages for up to 120 seconds total recording time.
- 1 reply wizard voice message (supplies prompts for remote control operations in response to an incoming call).
- 4 programmable SMS messages + 6 preset technical text messages.
- 63 phone numbers associated to messages and 1 number (phonebook position no. 64) to be used to request SIM card's balance.
- Non-volatile memory with "reset" function which ensures that all settings are stored and preserved also in the event of power failure.
- Built-in two-way GSM module.
- 2 transistor outputs which can be remotely controlled by calling the unit over the phone, with the option to monitor the 2 outputs' status.
- Power-fail warning output displaying main 12V power supply failure, dead battery or GSM fault.
- GSM range display - SIM expiry report – report that GSM range was lost when same is restored.
- Supervision call at set time periods
- SIM card's balance notified by the unit with a voice message.
- User-installer code access to the unit.
- Remote editing of phone numbers via SMS
- Clock-date and last 50 events memory log.
- Settable input polarity.
- 10–14 VDC power supply – Option to add two 3.6V 2A AA lithium batteries for operations without mains power supply.
- 40 mA power consumption during stand-by mode. About 100mA power consumption with backlit display and about 200mA during an alarm.
- Battery life: approximately 50 hours during stand-by mode.

3) KEY FUNCTIONS - STANDARD MODE - SMS WRITING MODE

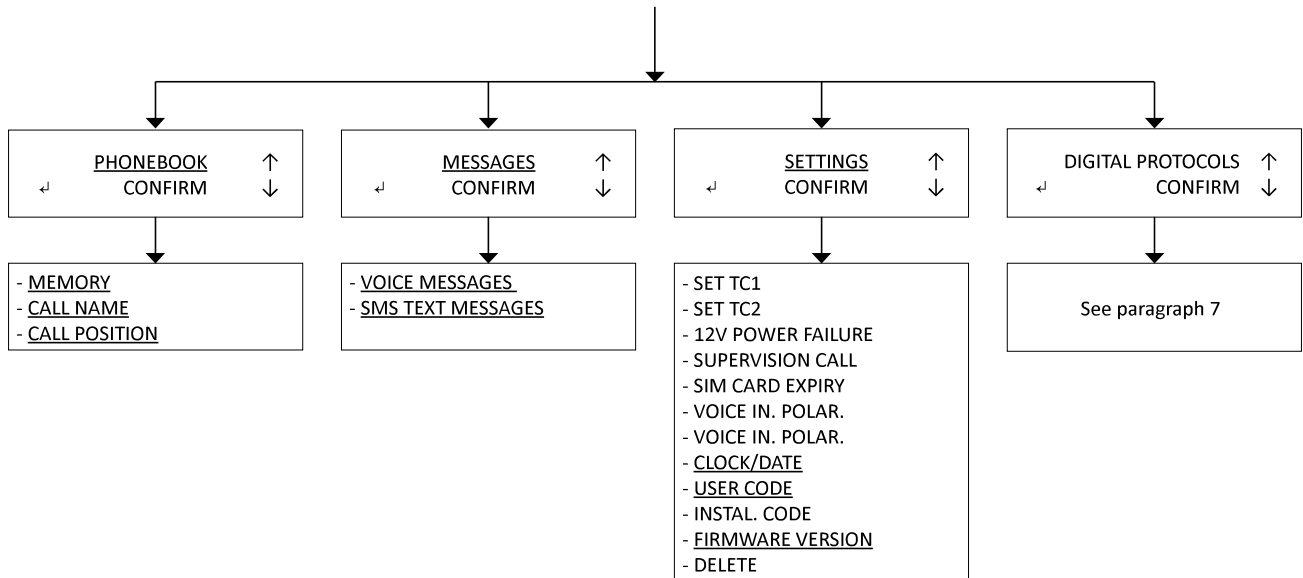
KEY FUNCTIONS	STANDARD MODE	SMS WRITING MODE
 	Setting numbers and writing SMS text messages	1 = . (period) // 0 = space
 	Menu scrolling and parameter selection	↑ = * (asterisk) // ↓ = pause
	Deleting last selected character	
	Selecting a menu and/or confirming a selection	
	Exiting selected menu/submenu	
	Deleting performed setup	

4) SETUP PROCEDURE

Remove PIN code or replace it with "1234" value. Open the device by prying open its sides at the bottom of the housing. Place the SIM card inside its slot and connect the power supply. Insert batteries if required for operations and continue as follows:



Enter installer code to access menu.



4.1 PREPARING FOR SETUP

The system's features and therefore how Vocalphone's functions will be used, must be established before you can setup the unit.

SETUP PROCEDURE

- 1) Record the voice messages and write the text messages foreseen for the system.
- 2) Record the reply message (5) which provides the operating instructions.
- 3) Set phone numbers and link them with the different messages. Enable the numbers that will interact with the device for direct access to the unit (switch to Y).
- 4) Perform SETTINGS as required by the system.

Warning:

All settings will be deleted when selecting the DELETE option of the SETTINGS menu.

5) DESCRIPTION OF MENU SETTINGS

5.1 PHONEBOOK menu

Up to 64 phone numbers can be stored in the phonebook by entering the number and assigning it a NAME and POSITION. Each number can be associated to the required voice and text messages and can be enabled for direct access. The unit will display the first available location. Use the arrows to change location ↑↓. Call a telephone number by its name or position to display it, edit it and to edit the messages to which it is linked.

Position 64 – position used to check SIM card's balance: enter the provider's number (for example: TIM = 40916). Press and hold ↵ for a few seconds during standby mode to call the provided and to receive the voice message advising SIM card's balance.

Warning!

- a) When the dialled number replies, each message is transmitted twice. Each voice message will be repeated 4 times when * is entered before the number stored in the phonebook. The unit will continue to redial a number for three times at 3 minutes intervals when the number being dialled is busy or does not reply.
- b) You will be able to send commands, check outputs and edit numbers (see following paragraphs) without having to enter your user code when you call from a number enabled for direct access. **Please note:** system's security may be effected when a phone enabled for direct access is lost.

5.2 MESSAGES Menu

VOICE MESSAGES You may record, listen and re-record up to 5 voice messages. The first 4 voice messages refer to the 4 hardwired alarm inputs, while the fifth message is the reply that the dialler will play when a call is received. This last message must provide the user with detailed information on how to control/check operations. The available 120 seconds of total recording time is automatically divided into these 5 voice messages (time is displayed in seconds during recording). You must press and hold the button while recording the message ↵.

SMS TEXT MESSAGES The unit can store up to four 24-character SMS text messages (equalling the number of available hardwired/wireless alarm inputs). Text messages can be edited. Their ascending automatic positioning can be edited using the arrows ↑↓.

Caution! Message transmission is enabled as command is received. You must enter the user code directly into the unit or stop the dialing cycle remotely (see 6.6 Remote Blocking) to block message transmission once command has been received by the unit. Messages 1 and 2 can be blocked using their blocking inputs (BL1 and BL2).

5.3 SETTINGS Menu

Caution! When options Y or N are displayed for a functions, same are enabled by switching N into Y (↑↓).

SETTING TC1 and TC2 OUTPUTS NPN transistor outputs' (open collector) can operate at a pulse rate with adjustable time delay from 1 to 999 sec. or as ON-OFF bistable

switches or as “gate openers” with adjustable time delay from 1 to 999 sec. Default settings are: pulse with a 2 sec. time delay. Enter the required number of seconds to edit time delay. Up to 300mA current.

12V POWER SUPPLY FAILURE TEXT MESSAGE (transmitted only when the two lithium batteries are installed). SMS 2 technical text message reports power supply failure to all associated numbers after an adjustable time from 1 to 99 minutes. Enter adjustable time delay in minutes when this option is enabled. The unit preserves all of the settings even if it is not powered for extended periods of time. Current date and time are the only settings that need to be entered when a power loss takes place.

SUPERVISION CALL: SMS 4 technical text message periodically reports (adjustable from 1 to 999 hours) current system’s condition to all associated numbers. Enter adjustable time period in hours when this option is enabled.

SIM CARD EXPIRY: SMS 5 technical text message reports installed SIM card’s expiry to all associated numbers. Enter the number of months (adjustable from 1 to 99) by which you want to be notified depending on card’s expiry date.

VOICE INPUTS POLARITY: input terminals of voice messages’ electrical controls and blocks are programmed to operate by contact opening (negative NC line). You can reverse inputs’ programming (open contact to close). Blocks must always remain open in this case or this setting would block message transmission.

SMS INPUTS POLARITY: input terminals of SMS messages’ electrical controls are programmed to operate in the same manner as the voice inputs.

TIME/DATE: use this option to update/change time and date.

USER CODE - INSTALLER CODE: use this option to edit the codes that were set at the beginning.

FW VERSION: this option allows you to displays the dialler’s firmware version.

DELETE SETTINGS: this option deletes all performed settings.

6) OTHER VOCALPHONE FUNCTIONS (this option varies according to employed model)

6.1 TECHNICAL SMS (memory-resident and non-editable)

- **SMS 1:** DIALER BATTERY LOW (batteries need to be replaced).
- **SMS 2:** 12V POWER SUPPLY FAILURE (check mains power supply connection).
- **SMS 3:** NO GSM RANGE (reported 15 minutes after GSM range has resumed).
- **SMS 4:** SUPERVISION CALL OK (REPORTS SYSTEM STATUS)
- **SMS 5:** SIM CARD EXPIRY
- **SMS 6:** 12V POWER SUPPLY HAS RESUMED (AUTOMATICALLY SET WHEN SMS 2 IS ENABLED).

6.2 TESTING THE SYSTEM

Enter the installer/user code followed by the ↑ key to test the system. Continue by entering the telephone number to which voice message, SMS or Digital message (monitoring station) are to be sent. Voice message 1 is the default setting. Speakers are enabled during test mode.

6.3 ACCESSING EVEN HISTORY LOG

Enter the installer/user code followed by the ↓ key to access the event history log. The log will displays: date, time, name of the party that was called and outcome of the call (**OK**= successful call, **KO**= no answer, **OC**= busy) of the last 50 calls. Any loss of GSM range, remote change etc. are also displayed as well as if it was an outgoing phone call (←) or an incoming one (→) along with the type of transmission (SMS= S, Voice=V, Digital=D).
Select the **ESC** key to return to stand-by mode.

6.4 REMOTE EDITING OF TELEPHONE NUMBERS

You can change the phone numbers stored in the phonebook using an SMS text message from a remote GSM phone number. The number of the remote phone must be stored in the system and be enabled for direct access (select “Y” - yes - when setting the number). Write a message as follows (see bold characters): **A333555666** (old number to be replaced) **A333666888** (new number to be entered). The unit stores the change and sends the following SMS text confirmation: **CHANGE MADE *333666888***.

6.5 PIN MANAGEMENT You must always remove SIM card’s PIN. Should this not be possible, enter value « 1234 » as PIN.

6.6 REMOTE MANAGEMENT

6.6.1 Commands entered from a remote phone

The unit is always enabled to answer incoming calls (except during “gate opening” mode). Make the call, listen to the instructions message, enter the user code after playback or while listening (USER CODE is not required when the number is enabled for direct calls), then enter one of the following commands:

- enter **20 * 1 #** to enable electrical output TC1 - enter **21 * 1 #** to enable electrical output TC2.
- enter **20 * 0 #** to disable electrical output TC1 - enter **21 * 0 #** to disable electrical output TC2.
- enter **20 #** to check electrical output TC1’s status (see notes). - enter **21 #** to check electrical output TC2’s status.

The unit will confirm above commands by transmitting 3 beeps for “enabled” and 1 beep for “disabled”.

6.6.2 SMS Commands

You can send SMS text messages to control and check outputs TC1 and TC2. Please note that some delays could occur due to message transmission management since commands are implemented when messages are received by the unit. Please find following the available text messages.

TC1spaceON and **TC1spaceOFF** to enable and disable output 1. Write: **TC2spaceON** and **TC2spaceOFF** for output 2.

Status query: write **TC1space?** or **TC2space?** to get an SMS confirming output’s status.

6.6.3 Remote call blocking

The person that receives a call from the unit can block subsequent calls to other users. To block the calls, listen to the outgoing message, wait for the “end of message” been, then press the # key on your phone.

6.7 BACKLIGHT DISPLAY The display lights up when you use the keyboard. Backlight increases the consumption of about 60mA which decreases battery life when the unit is not powered by the main power supply.

6.8 LOCAL CALL BLOCKING Enter the user code followed by “DELETE” to block currently ongoing calls with the exception of the call to the monitoring station.

6.9 CALL BLOCKING USING BL1/BL2 Voice calls concerning terminals 1 and 2 can be interrupted by blocking channel BL1 and BL2. These inputs voice and digital alarms will not be handled when blocking is enabled.

7 DIGITAL TRANSMISSION USING CONTACT - ID PROTOCOL

Vocalphone Senior's firmware employs standard Contact-ID protocol to transmit alarm events over the GSM line to monitoring stations equipped with an appropriate receiver.

Settings - Access the Digital Prot. menu and press $\downarrow$ to display the Contact ID option. Press $\downarrow$ and continue by entering and confirming the following data options:

NO. 1 / NO. 2	enter monitoring stations' main and back-up number $\downarrow$; the systems provides entry of two additional numbers for other monitoring stations ($\uparrow\downarrow$): NO. 3/NO. 4 - $\downarrow$
USER ID	enter the user ID number assigned by the monitoring station
NO. 1	enter the first number of the monitoring station and confirm $\downarrow$
NO. 2	enter the second number and confirm $\downarrow$
REVERSE CODE	press $\uparrow\downarrow$ to select and then confirm if prompted for the reverse code

Continue by linking the 4 inputs to 4 voice transmissions in the following manner:

INPUT 1 EVENTS (select $\uparrow\downarrow$ to display 2,3,4 inputs) $\downarrow$. Select from the following events list ($\uparrow\downarrow$): NO EVENT - ALARM - ARMED - TAMPERING - 24H PANIC - 24H ROBBERY - 24H TECHNOLOGIC - DIALER BATTERY (reports the need to replace batteries) – SUPERVISION MSG - 12V FAILURE (reports main power failure - only when there are batteries in the unit) - FIRE ALARM - POWER FAILURE (reports mains 230V power failure **through a special probe** connected to the selected input). **Caution! Do not connect power network directly to the input!**

Each input must be linked with one of the transmitted signals according the content of the recorded message.

7.1 Notes regarding digital transmission functions.

- Supervision call and 12V power failure must be enabled by switching the function's N/Y option from the SETTINGS menu. These signals are transmitted regardless of inputs' status.
- The unit automatically reports the reset of ALARM, 12V FAILURE, ARMING, and MAINS POWER FAILURE events when same occurs.



KONFORMITÄTSERKLÄRUNG: Hiermit erklärt die SILENTRON S.p.A., dass das oben beschriebene Gerät die wesentlichen Anforderungen und die anderen diesbezüglichen Bestimmungen der Richtlinie 1999/5/EG und die zugehörigen Vorschriften erfüllt. Produkt der Ebene 2 - Umweltklasse II.

ALLGEMEINE HINWEISE – BITTE VOR HANTIERUNGEN AN DEN GERÄTEN AUFMERKSAM DURCHLESEN

Installation: Alle Installations-, Wartungs- und oder Änderungsarbeiten an diesem Gerät dürfen nur von qualifiziertem technischem Personal durchgeführt werden. Diese Arbeiten können spezifischen technischen Normen unterliegen, die eingehalten werden müssen. Ausschließlich für die Nutzung in Innenräumen bestimmtes Gerät.

Stromanschlüsse: Jeder Stromanschluss muss ausnahmslos fachgerecht durchgeführt werden, indem alle Drähte mit Kabelbindern angeschlossen werden, um zu vermeiden, dass sie sich zufällig lösen. Die Gehäuse der Geräte müssen ordnungsgemäß verschlossen werden. Vor dem Öffnen von in Betrieb befindlichen Geräten müssen alle Stromanschlüsse über 25 V abgeklemmt werden.

Externe Stromversorgung: Das Netzgerät Art. Nr. 5991 oder eine auf 12 V DC eingestellte Stromquelle verwenden.

Reservebatterien: 2 Lithiumbatterien 3,6 V 2 Ah AA verwenden und sie unter Einhaltung der in den Anleitungen angegebenen Polarität und der vom Hersteller der verwendeten Batterien gegebenen Hinweise einlegen. Leerbatterien gemäß den geltenden Vorschriften entsorgen, das gilt auch im Fall von Verschrottung der Altgeräte, aus denen die Batterien vorher heraus genommen werden müssen: Im Fall von Flüssigkeitsaustritt die Hände mit Silikonhandschuhen schützen.

Haftung: Der Hersteller lehnt jedwede Haftung für Schäden durch falsche Installation und/oder Wartung, falsche Benutzung und/oder für die Nichtverwendung der gelieferten Geräte ab.

Garantie: 3 Jahre entsprechend den im Hauptkatalog beschriebenen Bedingungen.

1) ALLGEMEINES

Vocalphone Senior ist ein bidirektionaler GSM-Telefonsender, mit dem jedes beliebige Alarmsystem über Draht ergänzt werden kann. Er dient zur Kommunikation nach außen. Außerdem kann er in anderen Kontexten genutzt werden, wo die Notwendigkeit besteht, 1-4 aufzeichenbare Sprachnachrichten und 1-4 programmierbare SMS zu übertragen, und gleicherweise ein oder zwei Befehle von außen zu empfangen, die durch Hinzufügung der entsprechenden Relais gesteuert werden können.

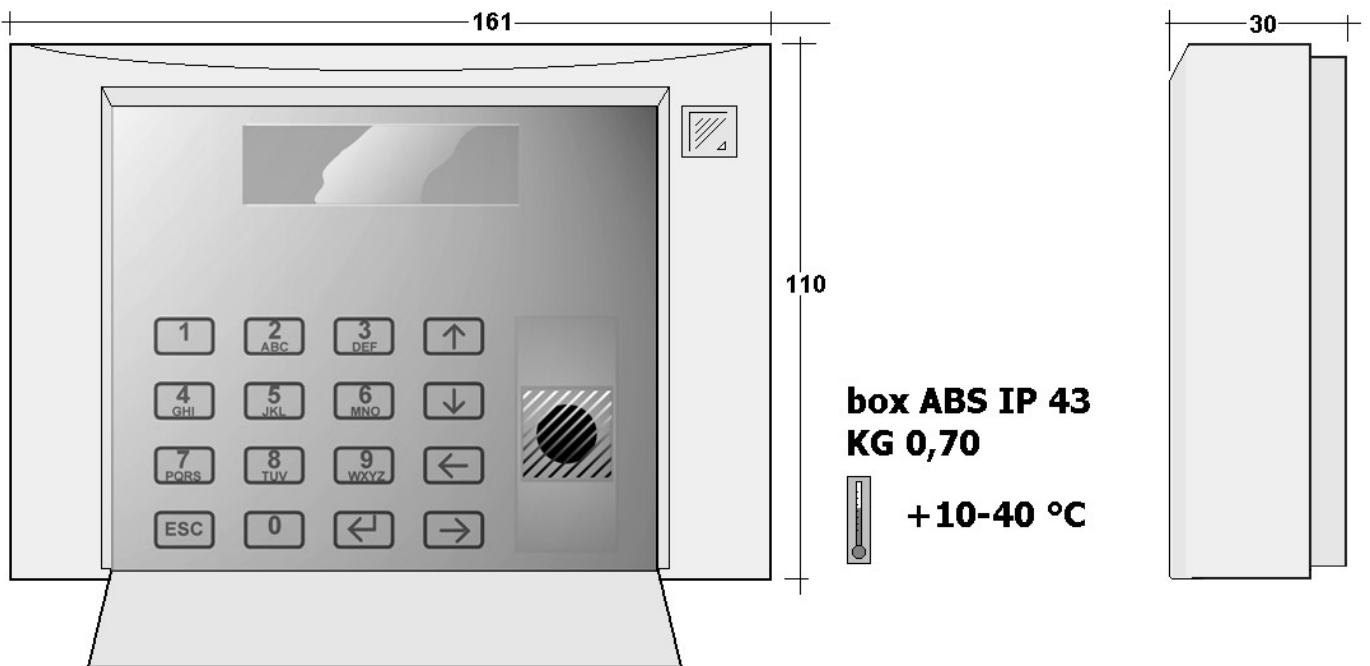
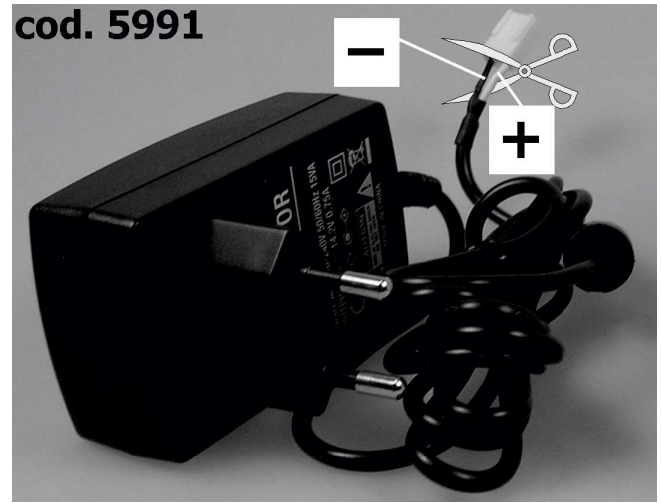
Beispielsweise:

- Übertragung von Sprach- oder schriftlichen Nachrichten nach außen zu Kontrollsystem jedweden Typs mit der Möglichkeit von zwei telefonischen Betätigungen von Funktionen.
- Aktivierung eines Ausgangs bei Erkennung der anrufenden Nummer (bis zu 63 Nummern - zum Öffnen von Gartentoren und ähnlichem).

2 TECHNISCHE UND FUNKTIONALE EIGENSCHAFTEN

Das Gerät funktioniert mit 12 V CC und kann von einem anderen Gerät mit Strom versorgt werden, oder auch über das Silenatron-Netzgerät Art. Nr. 5991: Es ist möglich, zwei Lithiumbatterien (nicht mitgeliefert) einzulegen, die den Betrieb bei Stromausfall gestatten. Wenn keine Batterien eingelegt sind, funktioniert das Gerät im Fall eines Stromausfalls nicht.

- Eingebaute alphanumerische Tastatur und ein Display mit 2x16 Zeichen.
- Intuitive Programmierung mit vom Display aus geführtem Menü.
- 4 aufzeichenbare Sprachmeldungen über insgesamt ca. 120 Sekunden
- 1 aufzeichenbare Anleitungssprachnachricht (diese ist als Antwort auf einen Anruf zu hören und gibt die Aktionen für Fernbedienung an).
- 4 programmierbare SMS-Nachrichten + 6 vorprogrammierte technische SMS-Nachrichten.
- 63 den Nachrichten zuweisbare Telefonnummern + 1 (Position 64) für die Abfrage des SIM-Restguthabens.
- Nicht flüchtige Programmierungen mit „Rücksetz“-Funktion: die Programmierung bleibt auch im Fall eines Stromausfalls erhalten.
- Bidirektionale GSM-Verwaltung mit eingebautem Modul.
- 2 mit Transistor ausgestattete Ausgänge, die über Anruf von außen steuerbar sind, mit der Möglichkeit, den Status der 2 Ausgänge zu kontrollieren.
- Elektrischer Ausgang Warnung, der den Ausfall der primären Stromversorgung von 12 V, leere Batterien, oder eine GSM-Anomalie angibt.
- Anzeige des lokalen GSM-Feldes - Warnung bei Ablauf der SIM-Karte - Anzeige eines Ausfalls des GSM-Feldes (bei Rückkehr).
- Regelmäßiger Anruf als Lebenszeichen.
- Lokale Abfrage des SIM-Restguthabens
- Zugang mit Benutzercode - Installateurcode
- Änderung von Telefonnummern aus Entfernung über SMS.
- Uhrzeit-Datum und Verlaufsspeicher der letzten 50 Vorfälle.
- Freie Programmierung der Polarität der Steuereingänge.



5155 PCB - Vocalphone senior

