FOREWORD

Thank you for choosing an EFT930.

INSTALLATION. *We recommend you to read these instructions very carefully. They are included with your EFT930 in order to explain its installation.*
Particularly: when you receive a new terminal, the battery located in the portable is not connected. See § "Installation, Connecting the battery" to realize this connection.

USE. *Once it is installed and equipped with your application(s), you can use your EFT930 following the instructions in the "user's guides" specific to your application(s).*

GUARANTEE AND SAFETY. *In order to benefit from the guarantee on this equipment and in order to follow the safety instructions, we ask you to use only SAGEM Monetel approved batteries and to entrust disassembly procedures solely to an authorized person.*
The manufacturer cannot be held liable for any unauthorized handling of an EFT930 terminal.

Telephone emergency, hanging up:

You have an urgent call to make, but EFT930 is on your telephone line.

In order to get a dial tone, **...**

Place the handset in the hang up position and:

press the red key (= CANCEL) ;
or **remove the portable terminal from its base ;**
or **disconnect the EFT930 telephone connector from the telephone wall socket,**
and place the telephone connector into the telephone wall socket.

You will get a dial tone within 6 seconds.

---

1.   SAFETY INSTRUCTIONS

A-   In order to power down the EFT930 base :

disconnect the EFT930 power supply block from the electric power supply network.

B-   Lithium battery and battery

The EFT930 is fitted with a **lithium battery** which is not operator accessible. Only a qualified technician may be authorized to open the unit and service this component.
Refer to the paragraph entitled "Lithium battery" in the "Maintenance" chapter.

The EFT930 is fitted with a Sagem Monetel battery especially designed for this terminal.
• Only use the appropriate chargers and batteries listed in the manufacturer's catalogue.
• The battery does not contain any components that can be changed by you.
• Do not short-circuit.
• Do not attempt to open the battery case.
• Used batteries must be collected at the appropriates sites.

⚠ Warning notice for Lithium-Ion batteries:
There is a risk of explosion if the battery is incorrectly replaced and disposed of in fire

C-   Electrical power supply network

Provide an inlet connector for the electrical power supply network that meets the following points:

• Connector installed **near the equipment and easily accessible;**
• Connector meeting standards and regulations in force in the country of use;
        For Pluggable Equipment Type A, the protection in the installation is assumed
   to be 20A.

D-   Telephone network

Provide an inlet connector for the telephone in compliance with standards and regulations in force in the country of use.

E-   Cover flap for battery and SAM1 and SAM2 reader
The cover flap for batteries and for the SAM1and SAM2 reader, located underneath the terminal, must be in place during the normal operation of the terminal. See sections "(De)Installation of SAM1 and Sam2 modules" and "Connecting the battery".

F-   Cover flap for CAM2, SAM3 and SAM4 (or SIM) reader
The cover flap for CAM2, SAM3 and SAM4 (or SIM), located on the underside of the terminal must be in place during normal operation of the terminal. See chapter "(De)Installation of SAM3 and Sam4 (or SIM) modules".

G-   Warning – special cases of radio handset (EFT930G and EFT930B)

Safety in airplanes
When in an airplane, your handset must be switched of by removing the battery pack.
Its use is illegal; non-compliance with these safety rules may result in legal proceedings and/or a ban on later access to cellular network services.
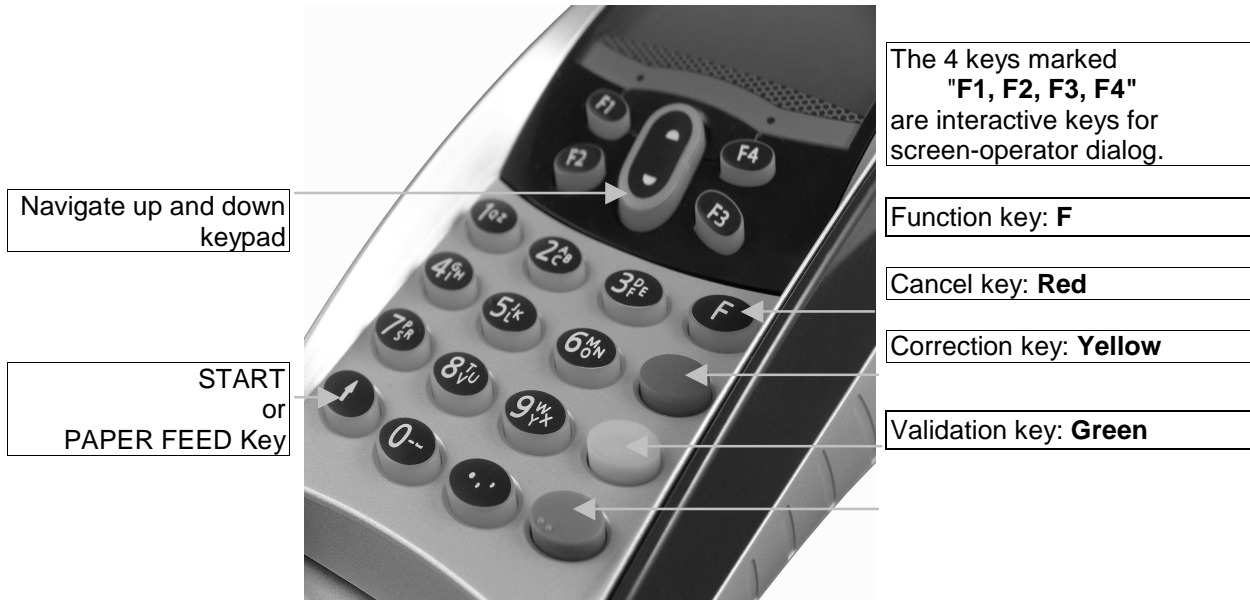
Explosion hazard areas
Regulations restrict the use of radio equipment in chemicals plants, fuel depots and any site where blasting is carried out. You are urged to comply with these regulations. The terminal shall be protected by a specific cover enabling use in proximity to a fuel pump.

Electronic health appliances
Your handset is a radio transmitter witch may eventually interfere with health appliances, for example hearing aids, pacemaker, equipment hospital environments etc.
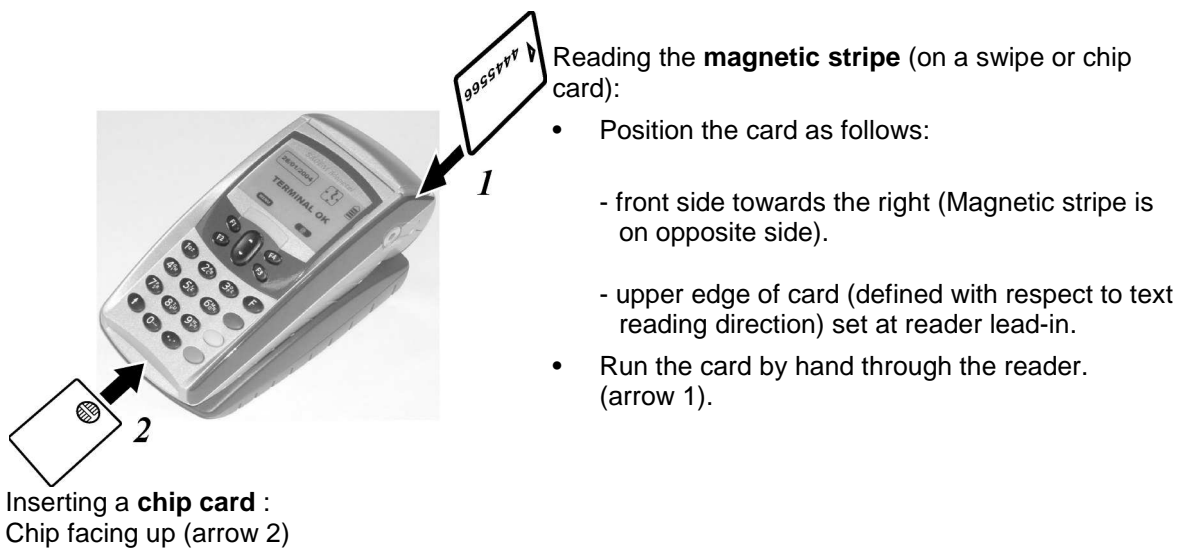Your doctor or the equipment manufacturer will be able to provide you with appropriate advi

KEYPAD KEY ASSIGNMENTS

The 4 keys marked
"**F1, F2, F3, F4"**
are interactive keys for
screen-operator dialog.

Navigate up and down
keypad

Function key: **F**

Cancel key: **Red**

Correction key: **Yellow**

START
or
PAPER FEED Key

Validation key: **Green**

2.   DAILY USE

Card insertion and reading direction

Reading the **magnetic stripe** (on a swipe or chip card):

• Position the card as follows:

  - front side towards the right (Magnetic stripe is on opposite side).

  - upper edge of card (defined with respect to text reading direction) set at reader lead-in.

• Run the card by hand through the reader. (arrow 1).

Inserting a **chip card** :
Chip facing up (arrow 2)

Using the base

Once installed, the base is designed to remain on constantly and connected to the telephone network.
→ The telephone line should not be shared.

The portable may be placed back in its base after each transaction.

It **must** be placed on its base in the following cases:
• telephone network using: authorization request, remote collection, downloading;
• check processing, if the base is connected to a check reader.

Battery autonomy

Removed from its socket, the Portable can perform up to 300 transactions at 20°C, provided completely charged batteries are used.

Stopping the Portable, Start Key

Removed from its socket, after it has been used and if its battery is empty, the terminal automatically shuts off. The screen is turned off.
It may also be forced stopped by pressing simultaneously "Point" and "Yellow" keys during one second.

In order to restart the Portable, press the ⏶ key on the keyboard.

Precautions when using Heat-Sensitized Paper

As the ticket may deteriorate in the event of improper storage, **the following must be avoided**:
• Storage in areas that are hot and humid (close to a heater/cooling unit, degree of humidity greater than 85%),
• Long-term exposure to sunlight or ultraviolet rays,
• Contact with organic solvents (solvent-based adhesives),
• Direct contact with material containing softening (plasticizing) agents (envelopes or clear plastic folders made of PVC),
• Direct contact with whiteprint paper,
• Direct contact with water,
• Rubbing or pressing the paper too strongly.

3. UNPACKING. PRODUCT CONTENTS

Carefully preserve the packaging of the EFT930.
It must be re-used whenever the terminal is shipped.

Packaging contains:

• PORTABLE itself, equipped with:

  - its battery pack not connected,

  - its paper roll;

• Base receiving the PORTABLE;

• Detachable power supply unit;

  (the power supply unit delivered with your terminal is specially designed for it. Do not

  use any other power supply.)

  The use of a power supply having apparently similar voltage/current characteristics may, in

  spite of it, damage your terminal;

• Telephone cable;

• Installation manual.

4. BATTERY COVER FLAP

The battery cover flap is located under the portable.

Caution :
Switch off the machine before opening the cover.

4.1. OPENING

• Turn the PORTABLE over on the table with the bottom side facing up (figure opposite).
• Unclip the cover flap by pushing on the clips with your nails in the direction of the arrow 1 as shown opposite.
• Lift the cover flap on the clips side (arrow 2), disengage the two rear limiting tabs from underneath the terminal housing and remove the cover flap.

4.2. CLOSING

To close up the device, carry out the above operations in the reverse order.
• Engage the two rear limiting tabs of the flap cover under the terminal housing;
• Fold cover downwards to clip it on.
  If a SAM stops the cover flap from closing, check the direction of its insertion.
• Make sure the clips are totally engaged under the housing by pushing them manually.

# 5.   (DE-)INSTALLATION OF SAM1 AND SAM2 MODULES

Caution :
Switch off the machine before opening the cover.

SAM 1   SAM2

- Open the battery compartment cover flap (See § "Battery cover flap"):
  you can read the location mark of SAM1 and SAM2 engraved in the lower housing.

- When introducing a SAM in its slot, be sure to put the cut corner as indicated on the figure opposite.

- Close the flap cover.

Removing
Handy tip: use a piece of adhesive tape to grip the SAM to make withdrawal easier.
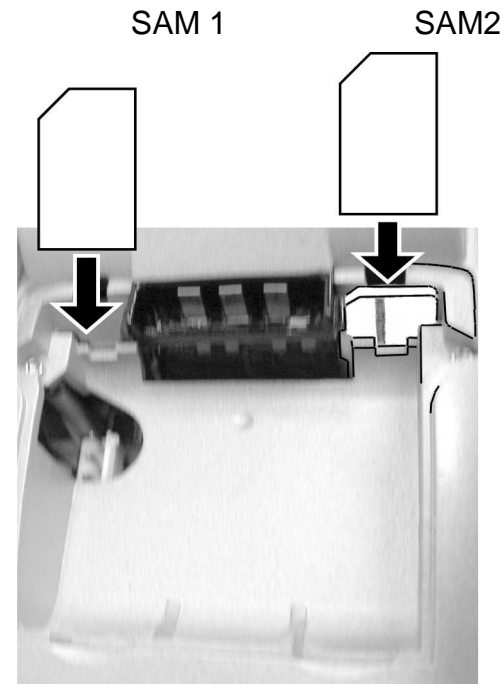
6.   CAM2 COVER FLAP (SECONDARY READER)

CAM2 cover flap is located under the portable

Caution :
Switch off the machine before opening the cover.

6.1. OPENING

- Turn the PORTABLE over on the table with the bottom side facing up (figure opposite).
- Unclip the cover flap by pushing simultaneously the clips with your nails in the direction of the arrows 1 as shown opposite.
- Lift the cover flap on the clips side (arrows 2) and remove the cover flap.

6.2. CLOSING

To close up the device, carry out the above operations in the reverse order.
- Engage the front of the flap cover under the terminal housing.
- Fold cover backwards to clip it on.
- Make sure the clips are totally engaged under the housing by pushing them manually.

7. (DE-)INSTALLATION OF SAM3 AND SAM4 (OR SIM) MODULES

The SAM3 and SAM4 (or SIM) modules are installed under the CAM2 cover flap.
The location 4 may be used by a SAM or a SIM.

Caution :
Switch off the machine before opening the cover.

- Open the CAM2 cover flap (See § "CAM2 cover flap"): you can read the location mark of SAM3 and SAM4 engraved in the lower housing.

- When introducing a SAM in its slot, be sure to put the cut corner as indicated on the figure opposite. The position of the cut corner is also engraved on the lower housing.

- Close the flap cover.

SAM4   SAM3
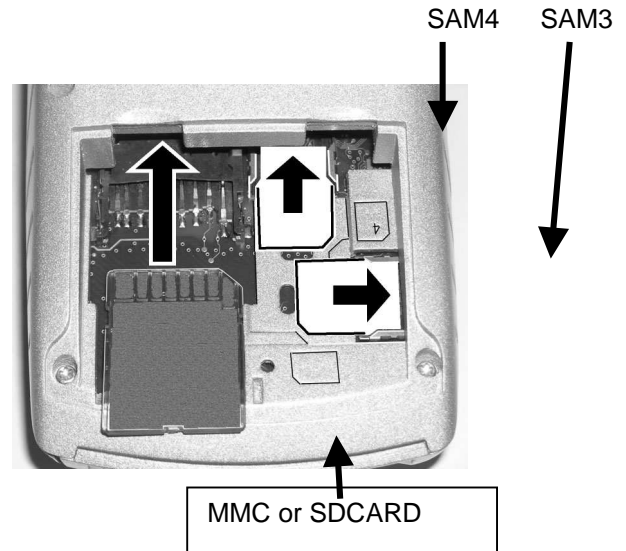
MMC or SDCARD

8. (DE-)INSTALLATION OF MMC OR SDCARD

To gain access to the MMC or to the SDCARD connector, open the CAM2 cover flap.

Caution:
Switch off the machine before opening the cover.

To install a MMC or a SDCARD (figure above):

- Open the CAM2 cover flap.
- Insert the MMC or a SDCARD fully home into the connector slot shown by the arrow in the figure above. Be sure to put the cut corner as indicated on the figure above.
- Close the CAM2 cover flap.

To remove a MMC or a SDCARD:

- Open the CAM2 cover flap.
- Withdraw the MMC or a SDCARD.
- Close the CAM2 cover flap.

9.   SECONDARY SMART CARD READER

The secondary smart card reader is also called "CAM2 reader".
To gain access to the secondary smart card reader, open the CAM2 cover flap.

Caution :
Switch off the machine before opening the cover.

To insert a smart card into the CAM2 reader:
- Open the CAM2 cover flap.
- Position the smart card with the chip in the position
  shown in figure opposite:
  - chip forward, but not visible (facing down)
  - magnetic stripe visible (facing up).
- Insert the card fully home into the slot.
- Close the CAM2 cover flap.
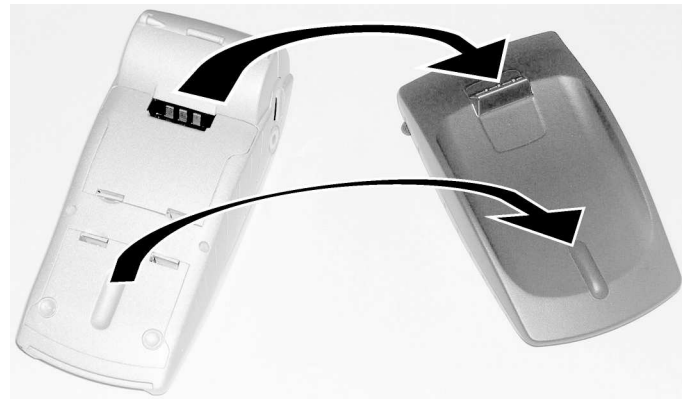
To remove a smart card from the CAM2 reader:
- Open the CAM2 cover flap.
- Withdraw the smart card
- Close the CAM2 cover flap.
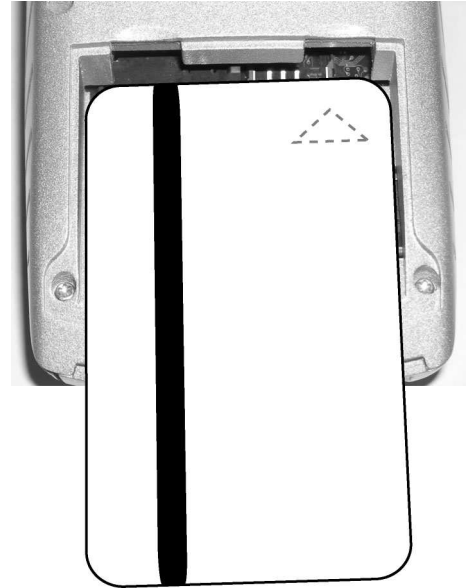
10. INSTALLATION

10.1. INSTALLING EFT930 ON ITS BASE

Place the EFT930 between the flanges on its
base so that the contacts of the EFT930 engage
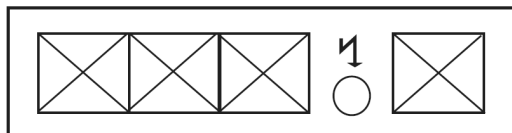on the contacts provided on the base (figure
opposite).

10.2. BASE WIRE CONNECTIONS

Reminder of safety procedures:

Select an electrical socket that complies with the general safety instruction given in chapter 1 of this present document.
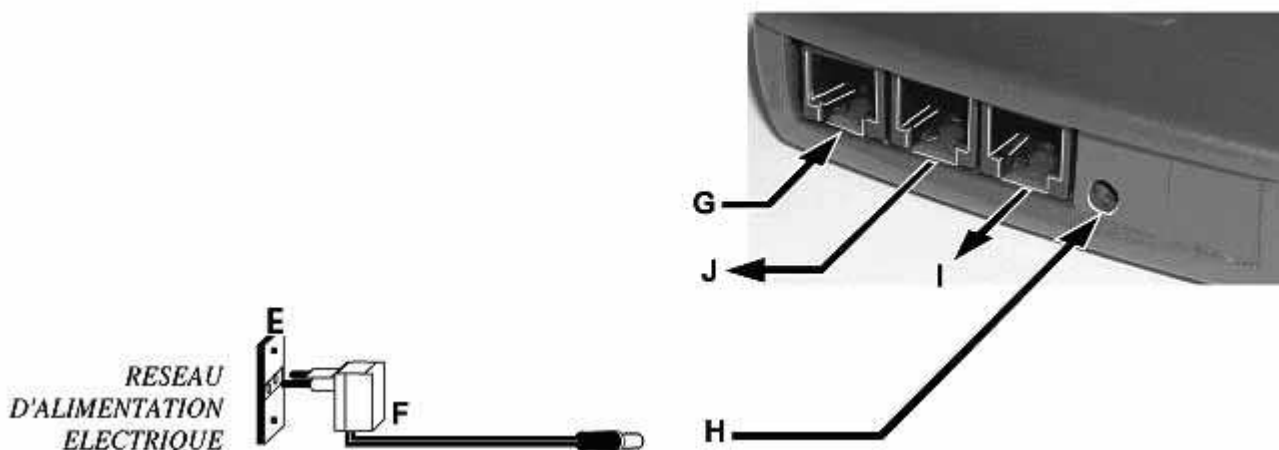
▪ **Charger base (for EFT930G or EFT930W without modem).**

Marking

The external appearance of the charger base is identical to that of the P base. However, with the exception of the supply jack, the visible connectors are not functional.
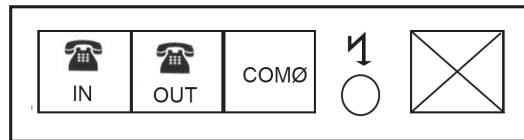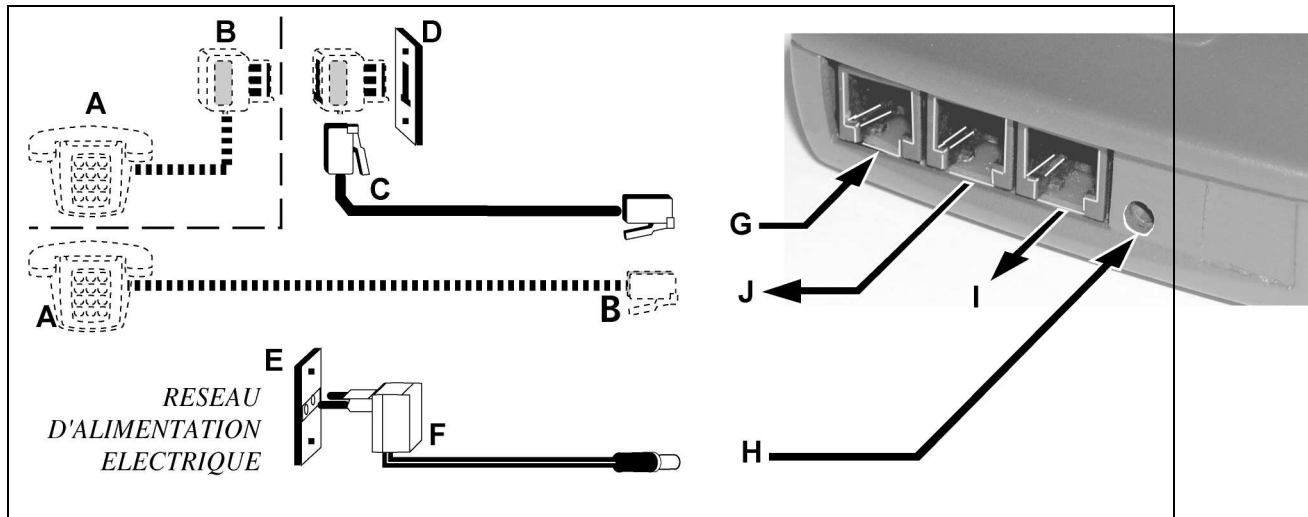
Rear view of base

E = Mains power supply network socket	**F** = Power supply unit
H = Power supply input	**G, J, I** = vacant

▪ **P base (base for EFT930P or EFT930G / EFT930W with modem)**

Marking

☎ IN	☎ OUT	COMØ	⌐ ○	⊠

Rear view of base

A	= possible telephone handset	**B**	= telephone connector (country specific)
C	= connection to the telephone network	**D**	= telephone network socket
E	= mains power socket	**F**	= power adapter
G	= telephone network port	**H**	= power input
I	= serial port (cash register, local loading tool, etc.)	**J**	= telephone handset output

Perform the following operations:

− Connect the base to the telephone network

• Connect telephone plug **C,** equipped if necessary with user country specific telephone plug, to the telephone network **D**.

• Connect the other end of the wire to the base (socket **G**),

• Connect the mains power supply wire to the base (socket **H**),.

• If necessary, connect the telephone **A.**
(Telephone **A** is not required for the terminal to operate).
- France: plug **B** to the telephone network D through the piggyback plug
- other countries: telephone connected to the base through the socket **J** (RJ-type connector).

− Connect power supply block **F** to the mains electrical socket **E**.
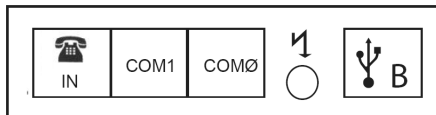
Socket G (=socket J): TNV-3 circuit: Telecommunication Network Voltage, as per safety standard EN 60950.

Socket I: SELV circuit: Since these links are Safety Extra Low Voltage circuits, they must be interconnected to units which have interfaces powered by the same type of circuits. Connecting is to be made when the terminal is off.
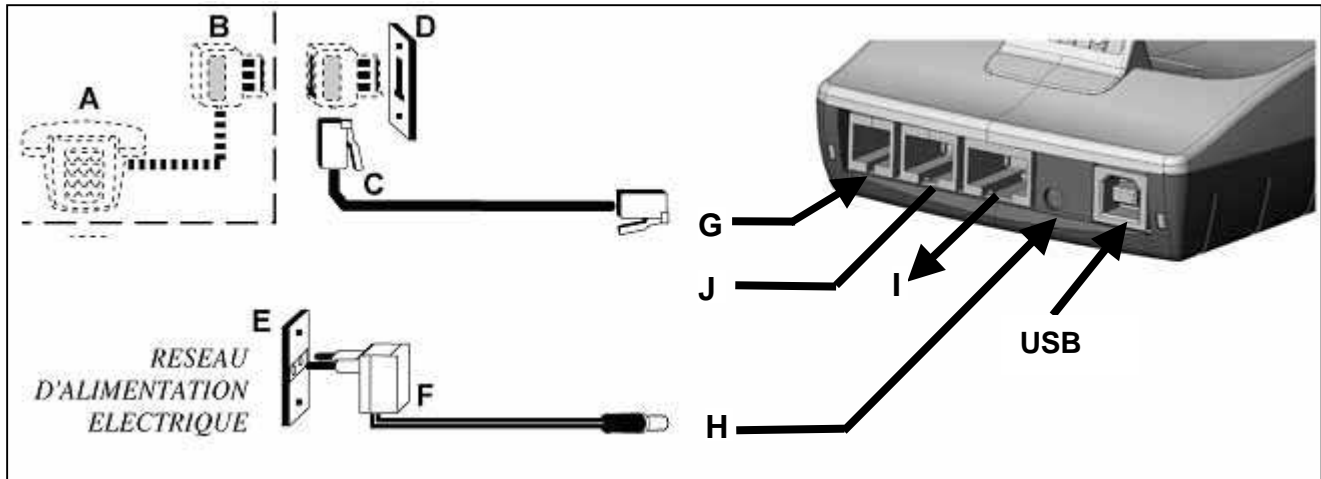
▪ **P base (base for EFT930P or EFT930G / EFT930W with modem)**

Marking

☎ IN	COM1	COMØ	🖋 ◯	🔌 B

Rear view of base

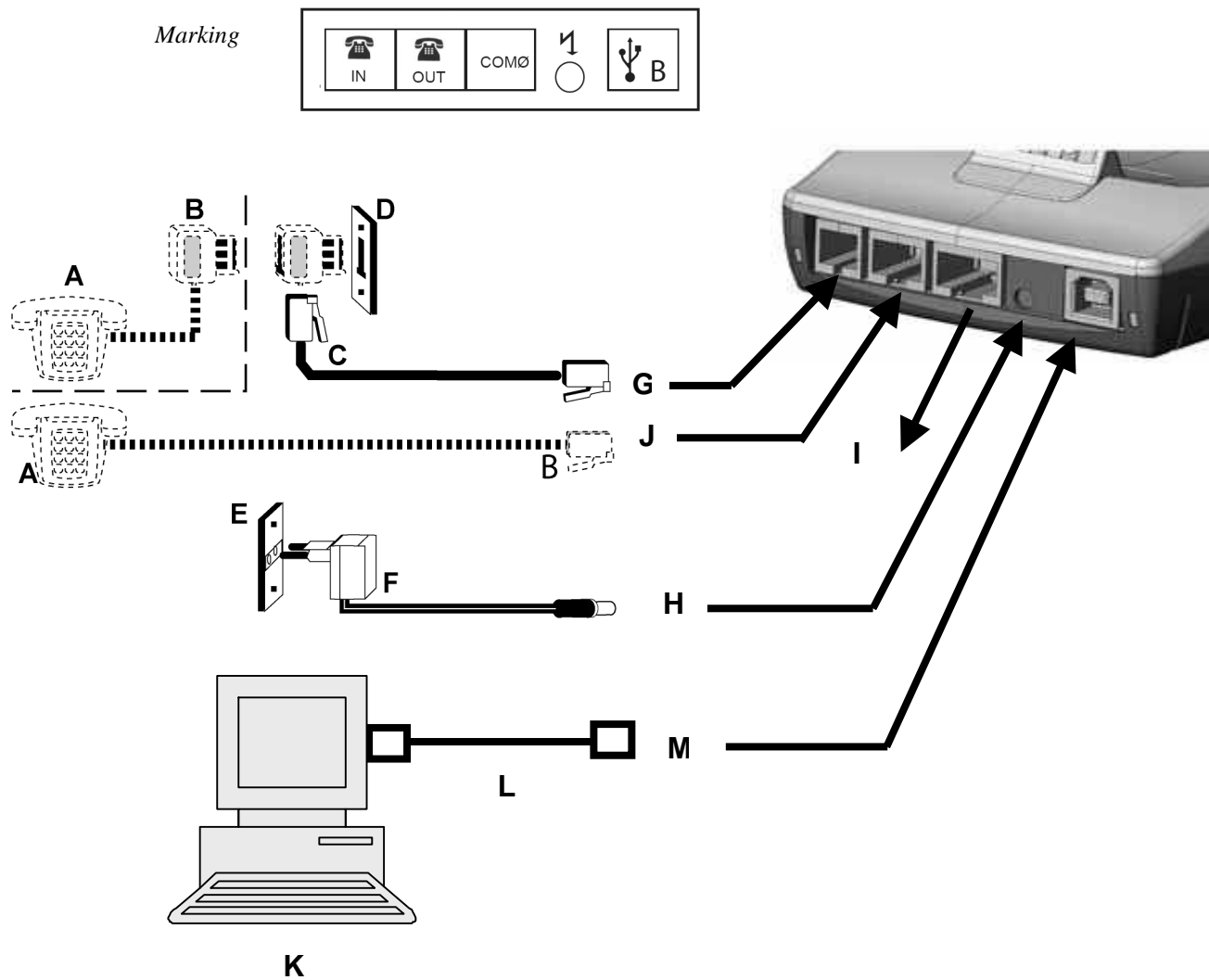| **A**	= possible telephone handset	**B**	= telephone connector (country specific)
C	= connection to the telephone network	**D**	= telephone network socket
E	= mains power socket	**F**	= power adapter
G	= telephone network port	**H**	= power input
I	= serial port (cash register, local loading tool, etc.)	**J**	= telephone handset output

Perform the following operations:

• Connect the base to the telephone network:

- Connect telephone plug **C**, possibly in conjunction with a closing relay satisfying the standards applicable in the country of use, to the telephone network **D**.
  Connect the other end of the cable to socket **G** on the base.
- If present, connect telephone **A** (the presence of telephone **A** is not required for the terminal to function)
- France: connect **B** to the telephone network **D** via the stackable socket

• Connect the power supply unit **F** to the mains power supply network socket.

Socket G : TNV-3 circuit: Telecommunications Network Voltage, in accordance with safety standard EN 60950.

Sockets I and J : as these connections are for ELSV circuits (extra low safety voltage), they shall be interconnected to equipment with interfaces supplied by circuits of the same type.
The connections will be made with the device switched off.
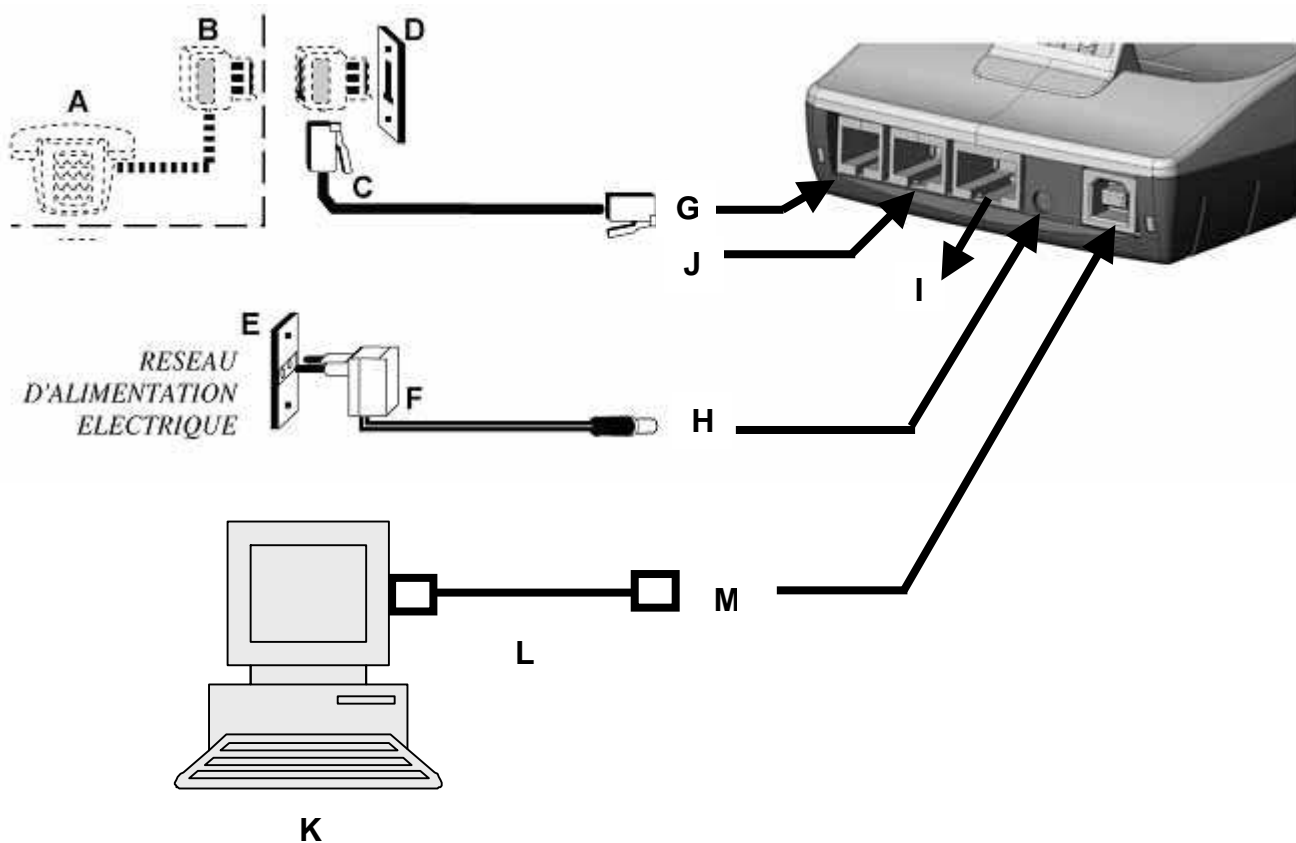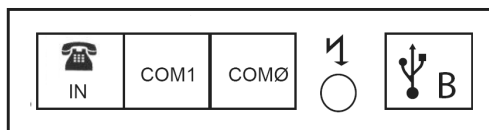
▪ **B base with modem (for EFT930B with modem)**

Marking

☎ IN	☎ OUT	COMØ	↱◯	⚡ B

A	= possible telephone handset	**B**	= telephone connector (country specific)
C	= connection to the telephone network	**D**	= telephone network socket
E	= mains power socket	**F**	= power adapter
G	= telephone network port	**H**	= power input
I	= serial port (cash register, local loading tool, etc.)	**J**	= telephone handset output
K	= PC	**L**	= USB cable
M	= USB link		

▪ **B base with 2 COM modem (for EFT930B with modem)**

Marking

☎ IN	COM1	COMØ	↰ ○	⏛ B

A = possible telephone handset	**B** = telephone connector (country specific)
C = connection to the telephone network	**D** = telephone network socket
E = mains power socket	**F** = power adapter
G = telephone network port	**H** = power input
I = serial port (cash register, local loading tool, etc.)	**J** = 2nd serial connection
K = PC	**L** = USB cable
M = USB link	

▪ **Base B Ethernet (pour EFT930B Ethernet)**

Marking

COM1	品	COMØ	ꔾ	ꕶ B
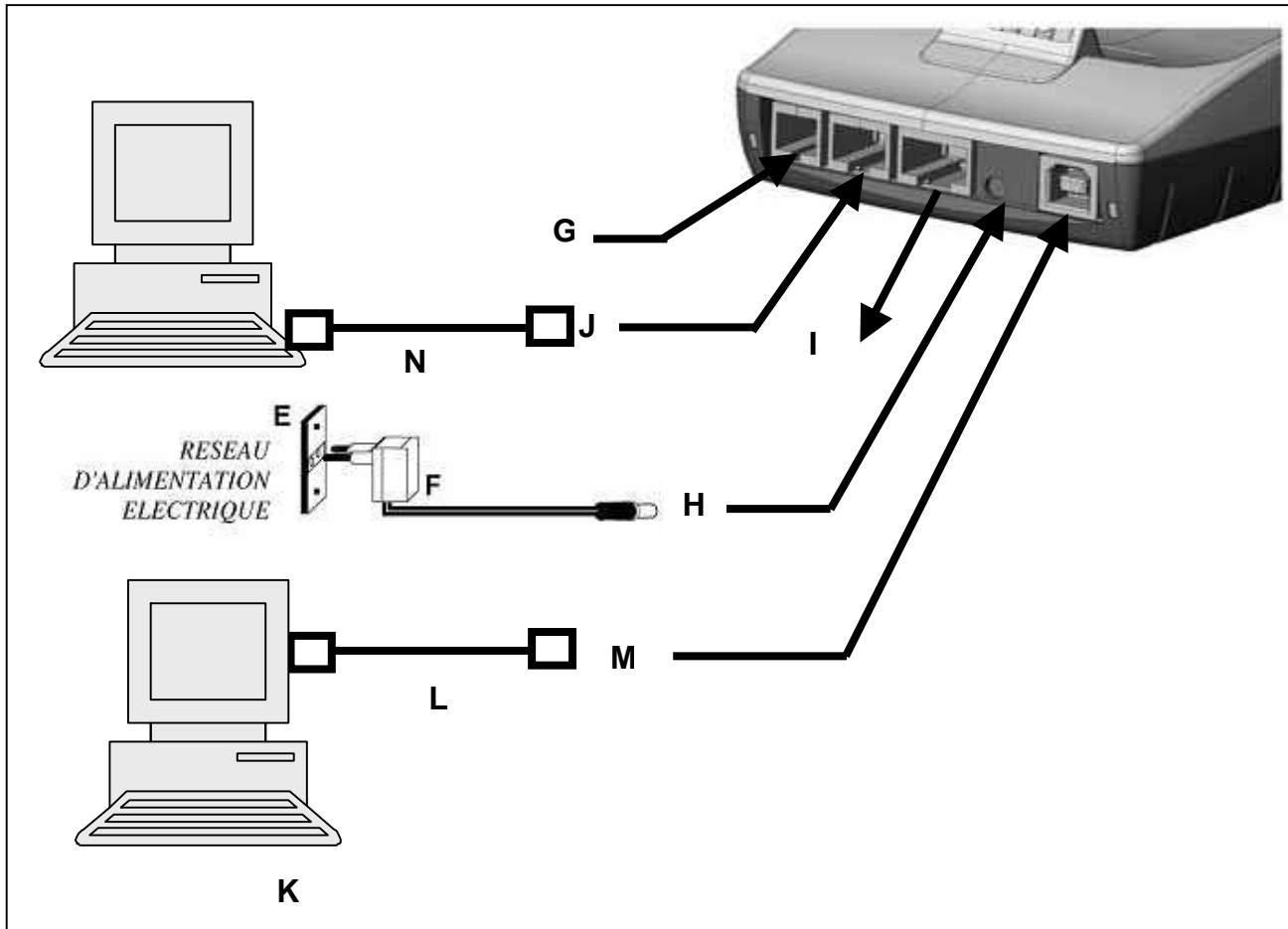
|			
E	= mains power supply network socket	**F**	= power supply unit
G	= 2nd serial connection (4-point connector)	**H**	= power supply input
I	= 1st serial connection (cash register, local loading tool, etc.)	**J**	= Ethernet connection
K	= PC	**L**	= USB cable
M	= USB connection	**N**	**=** Ethernet cable

10.3. PORTABLE CONNECTIONS
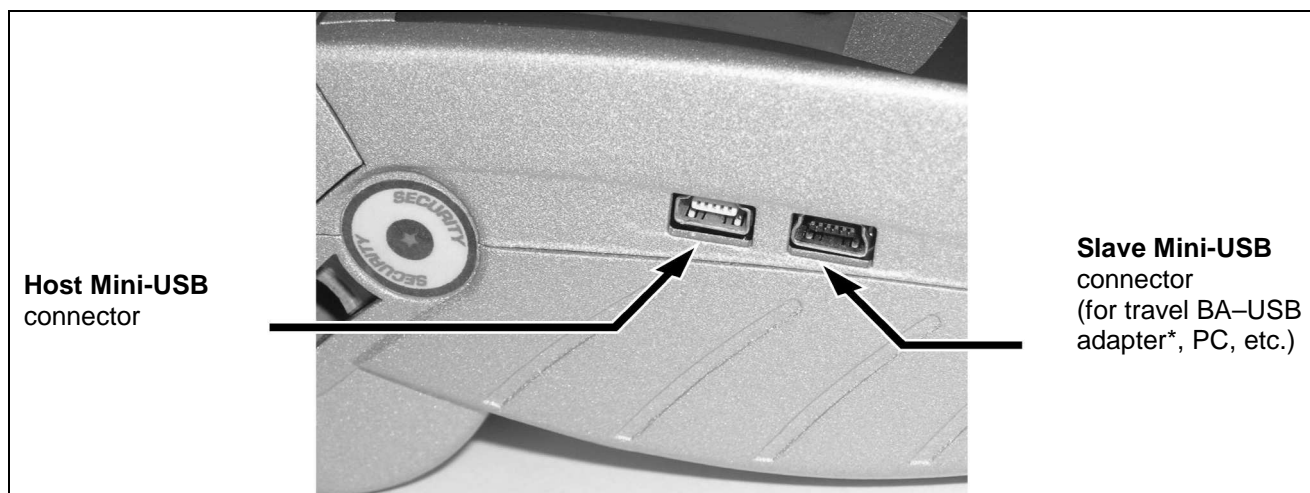
* Travel BA–USB adapter is an EFT930 accessory (See appendix).

10.4. CONNECTING THE BATTERY

The battery pack is contained in the packaging carton.
On a new device, the battery pack is not connected.

1- Turn the PORTABLE over on the table with the bottom side facing up and remove the cover flap (See §" Battery cover flap")

2- Locate the battery pack connector foolproofing and the board connector located under the battery compartment (figure 1).

3- Plug the battery pack connector on the board **according to the connector locating system and the wire colors** (figure 1). Feel the locking.

4- Place the battery pack in its compartment (figure 2).

5- Close the battery compartment cover flap.

= red wire
fig.1

fig.2
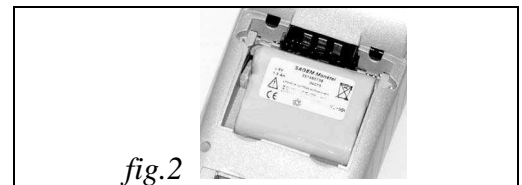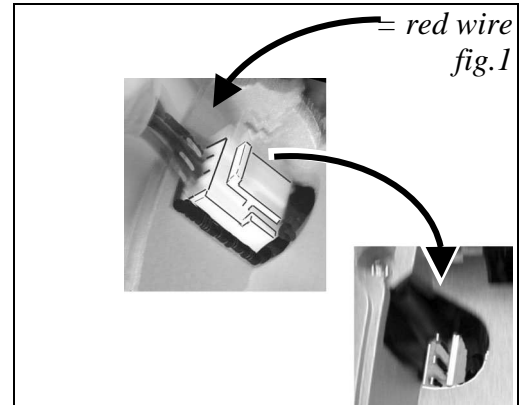
10.5. CHARGING THE BATTERY

When is the battery to be charged?

- On initial start up, charge the battery for 16 hours under the environmental conditions stated above.

- When used daily the PORTABLE will recharge its batteries each time it is placed on its base.
  Charging is automatic.

  A completly discharged battery requires 8 hours for a complete recharge.

Where is the battery to be charged?

- The environment in which the charge takes place influences battery lifetime and autonomy (number of transactions out of base).

  The optimal conditions are as follows:

  - charging away from any external heat source (radiator, sun, enclosed area…);
  - the optimal temperature is between +15℃ and +25℃.

How is the battery to be charged?

Using the base

- Place the PORTABLE on its base.

- **Check to see if the electrical plug symbol is displayed on the portable screen and if the battery symbol is moving (=battery charging).**

Using the slave mini-USB connector of the portable
(The portable is out of its base)

- Connect the power supply unit to the BA-USB adapter. See §"Appendix, BA-USB travel adapter".

- Connect this assembly to the slave mini-USB connector located on the side of the portable. See §"Portable connections".

- Connect the power supply unit to the mains.

- **Check to see if the battery symbol is moving (=battery charging).**

10.6. ADJUSTING THE CONTRAST

If you wish to modify the contrast of the characters displayed on the screen, simply press and hold the "Point" and "▲" or "Point" and "▼" keys as long as necessary to obtain a satisfactory contrast.

10.7. INSTALLING A ROLL OF PAPER

Warning: **Use only paper approved by SAGEM Monetel.**
Use of unsuitable paper is likely to damage the printer of your terminal.
Roll diameter: 40 mm.

1- If you are inserting a new roll, **tear off the first length (one complete turn)**.

Catch

fig.1a

2- Open the paper recess cover plate (figure 1a) as follows:
   • Raise the catch located on the rear of the EFT930;
   • Grip the cover plate and tilt it down from the rear of the terminal. (Figure 1b)

3- Insert the roll of paper in its housing following the direction of movement shown in figure 2.

4- Pull the paper up to the top of the terminal (figure 2). Hold it in this position.

5- Push up the cover plate fully home. (Figure 3).

fig.1b

6- Press simultaneously on both upper corners of the paper flap (arrows on figure 3) until it clips into position and holds the paper.

The EFT930 terminal is now ready for use.

Handy tip: the amount of paper remaining can be checked by looking through the left side hole.

fig.2

Once installed, continue EFT930 setup by following the instructions in the application manuals.

fig.3
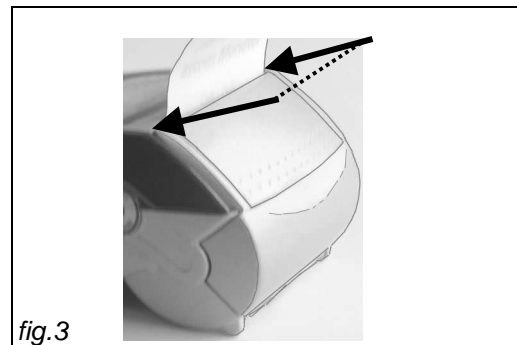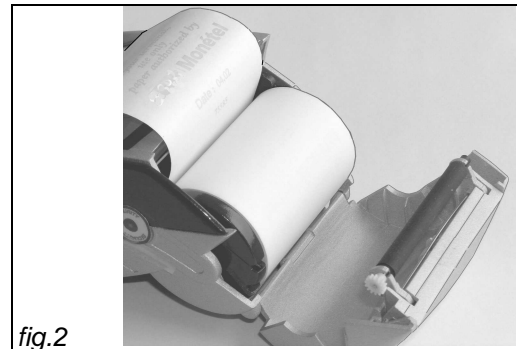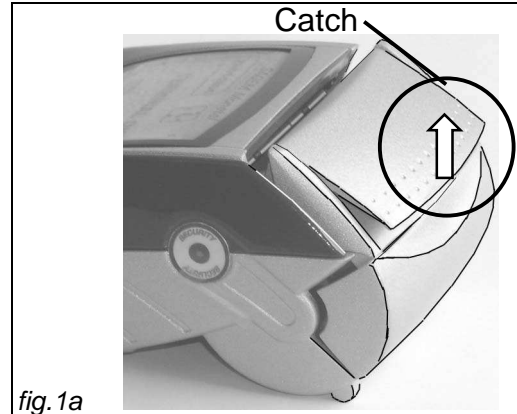
11.   MAINTENANCE

11.1. OPERATING THE PORTABLE IN CASE OF BATTERY FAILURE

If the battery life of the terminal becomes very low, or when the print speed is significantly reduced, the battery should be deep discharged before being completely recharged again. This operation is performed using the relevant menu in Telium manager; it must not be performed more than once a month.

Battery failure can be identified as follows:
- nothing is displayed on the screen, or
- the screen displays the message BATTERY ABSENT when EFT930 is placed on its base, or
- even after prolonged charging and following a "deep" discharge, the terminal has only a very limited battery life.

The battery must be changed.
In the absence of a battery, the applications present in the device can be initialised by placing the terminal on its base. However, transactions cannot be performed in these conditions.

11.2. CHANGING THE BATTERY

⚠ **It is imperative to use a battery authorized by SAGEM Monetel.
There is danger of explosion if battery used is not approved by SAGEM Monetel.**

- Remove the portable from its base.
- Turn it off by pressing simultaneously the "Point" key and the "yellow" key during about one second.
- Remove the cover of the battery housing (see § "Battery cover flap".
- Lift battery and remove it from its housing.

- **Carefully disconnect battery, following the instructions below**.

  a) Unlock the connector by pressing the locking mechanism as indicated by F1 arrow while pulling wires (arrow F2), so as to disconnect the connector. Release traction on it as soon as the connector comes unclipped.

  b) Finish extracting connector by tilting it slightly (arrow F3) so as to bring it away from the housing of the terminal.
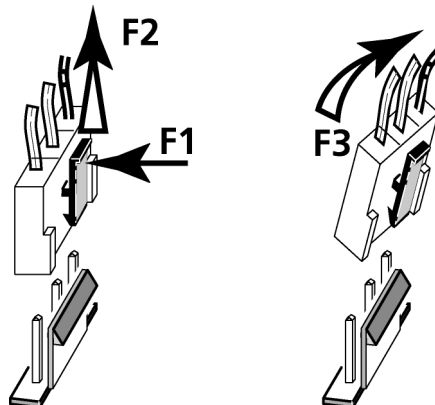
- Inform the terminal that its battery has been changed. Do this by starting the terminal without battery and fitting it on its base.
- Connect and install the new battery by following the instructions in § "Connecting the Battery".
- Close the battery cover flap and charge the battery. See § "Charging the Battery".
- In order to preserve the environment, dispose of used batteries in compliance with current recycling legislation in the country of use.
- If the terminal is to be stored for a long time (more than two months), remove the battery from the terminal.

Simply powering up enables the terminal to memorize that there is no battery; it will then perform correctly with the future battery.

11.3. LITHIUM BATTERY

For the attention of maintenance departments:

Warning: this equipment is provided with a **lithium battery**. There is a **risk** of explosion if this battery is incorrectly replaced. Replace using only a battery recommended by the manufacturer.

Dispose of used batteries according to current recycling legislation.

Only qualified personnel can be authorized to service this component.

11.4. CLEANING THE UNIT

• Unplug all the wires from the base.

• Use a soft cloth **VERY SLIGHTLY** dampened with soapy water to clean the Portable hoods and the base. Do not clean the contacts.

• The terminal-base connection may become contaminated by dust, and your unit could then show the following faults:
  - Even when put on the base, the terminal does not recharge or charge.
  - The terminal does not detect the telephone line.

You should then clean the electrical contacts of the terminal and base connections:
  - Clean off all visible dust with a dry cloth.
  - Then, dip a cotton bud in domestic alcohol and squeeze it slightly damp (liquid must not penetrate inside the equipment). Rub the cotton bud on the contact surfaces several times to remove all particles adhering to them and/or electrostatically charged particles (contamination can be difficult to see with the naked eye).
  - Return the terminal to use.

12.   TRANSPORT AND STORAGE

• Use the original packing material for any unit transport or storage.
• Disconnect the battery whenever the portable is not to be used for a period exceeding one month.
The method to disconnect the battery is indicated in the § "Changing the battery".

13. CHARACTERISTICS OF THE EFT930

Portable physical characteristics

Weight	: between 360 g and 410 g, according to the options, without paper roll
Dimensions	: 180 x 80 x 55 mm (L x W x H)

Base physical characteristics

Weight	: 120 g
Dimensions	: 153 x 87 x 33 mm (L x W x H)
Telephone cable length	: 3 m
Power supply cable length	: 3 m
Power supply block	: 100 g

Standards

See in appendix the "EC" standard compliance marking

Operating conditions

Class II	
Electrical network	: 100-240V_{AC}; 50-60 Hz
Consumption	: 150 mA
Power supply block	: 2 pole socket 2,5 A
Ambient temperature	: +5°C to +45°C
Maximum relative humidity	: 85% at +40°C
Serie link	: level RS 232 / V28
Mini-USB A serie link	: 100mA max
Mini-USB B serie link	

Storage conditions

Storage temperature	: -20°C to +55°C
Maximum relative humidity	: 85% at +55°C

Paper References No.

In order to benefit from the full product warranty, **you must use thermal paper authorized by SAGEM Monetel.**

Diameter of paper rolls: 40 mm.

14. ANNEX

14.1. CE MARKING (CONFORMITY)

The CE marking indicates that product EFT930P/G/B complies with the requirements of European Directive 1999/5/EC of 9 March 1999 on Radio and Telecommunications Terminal Equipment for:

- the protection of the health and the safety of the user and any other person.
- the protection requirements with respect to electromagnetic compatibility.

and complies with the following harmonised standards:

EFT930P

EN 60950-1	/2001	According to	73/23/EEC	(Low Voltage Directive)
EN 55022 A2	/2003	According to	89/336/EEC	(EMC Directive)
EN 55024 A2	/2003	According to	89/336/EEC	(EMC Directive)

EFT930G

EN 60950-1	/12-2001	According to	73/23/EEC	(Low Voltage Directive)
EN 301489-7	/08-2000	According to	89/336/EEC	(EMC Directive)
EN 301 511	/12-2000	According to	1999/5/EC	(R&TTE Directive)
EN 50360	/07-2001	According to	1999/519/EEC	(R&TTE Directive)

EFT930B

EN 60950-1	/12-2001	According to	73/23/EEC	(Low Voltage Directive)
EN 301489-1/7	/08-2000	According to	89/336/EEC	(EMC Directive)
EN 300 328 v1.4.2	/12-2000	According to	1999/5/EC	(R&TTE Directive)

EFT930W

N 60950-1	/12-2001	According to	73/23/EEC	(Low Voltage Directive)
EN 301489-1/7	/08-2000	According to	89/336/EEC	(EMC Directive)
EN 300 328 v1.4.2	/12-2000	According to	1999/5/EC	(R&TTE Directive)

And, for the whole range, complies with the European approval specification on connecting terminals with DTMF dialling to the public switched telephone network (Council Decision 1998/482/EC, Council Decision 1999/303/EC):

TS	103021-1/2/3	/09-2003
TR	103000-1/2/3/4	/06-2003
ES	201187	/03-1999

14.2. FCC COMPLIANCE

15.2.1 EFT930G

The FCC ID for this model is : **TTSEFT930**

The EFT930G complies with basic requirements from the FCC concerning RF equipment with respect to the requirements for Personal mobile radio services in the CFR47,

Conforms to the following standards:
- FCC Part 24E (PCS 1900 frequency band),
- FCC Part 22H (GSM 850 frequency band),
- FCC Part 15 Subpart B

Certification information (SAR)

The model wireless equipment meets the government's requirements for exposure to radio waves. Your wireless equipment is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless equipment employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.

1. Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the equipment while operating can be well below the maximum value. This is because the equipment is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a equipment model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this equipment when tested for use when worn on the body is **0.711 W/kg**. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).

2. While there may be differences between the SAR levels of various terminal and at various positions, they all meet the governmental requirements for safe exposure.

The SAR values found for the EFT930G GSM/GPRS Point of sale terminal are below the maximum recommended levels of 1.6 W/Kg as averaged over any 1 g tissue according to the FCC rule §2.1093, the ANSI/IEEE C 95.1:1999, the NCRP Report Number 86 for uncontrolled environment, according to the Health Canada's Safety Code 6 and the Industry Canada Radio Standards Specification RSS-102 for General Population/Uncontrolled exposure.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the device a minimum of 0 mm from the body.

15.2.2 EFT930W

The FCC ID for this model is : **TTSEFT930W**

- **Statement required by 15.19 and RSS210**

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:
 (1) this device may not cause harmful interference, and
 (2) this device must accept any interference received, including interference that may cause undesired operation.

- **Statement required by 15.21 :**

Warning: Changes or modifications made to this equipment not expressly approved by *Sagem Monetel* may void the FCC authorization to operate this equipment.

- **Statement required by 15.105 is as follows:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- **FCC Radiation Exposure Statement:**
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

14.3. ATEX CONFORMITY

The EFT930 terminal complies with the health and safety requirements for equipment intended for use in potentially explosive atmospheres (ATEX) defined in the standard:

     EN 60079-15   /2003

The ATEX marking on the EFT930 terminal is:

⟨Ɛx⟩   II 3 G
        EEx nA IIA T5
        LCIE 06 ATEX6096 X

The specific conditions for safe use are:

     Temperature use range: +5℃ to +45℃.
     The equipment shall not suffer impacts greater than 4J.
     Connection via USB cable to computer equipment shall not be performed in the presence of explosive atmospheres.
     The base shall not be used in the presence of explosive atmospheres.
     When using the terminal in explosive atmospheres, a cover shall be used.

14.4. BA-USB TRAVEL ADAPTER

The BA–USB travel adapter is intended to battery charging by connection to the portable mini-USB slave connector.

Power supply unit (BA)

Power supply jack

BA–USB travel adapter

To mini-USB slave connector
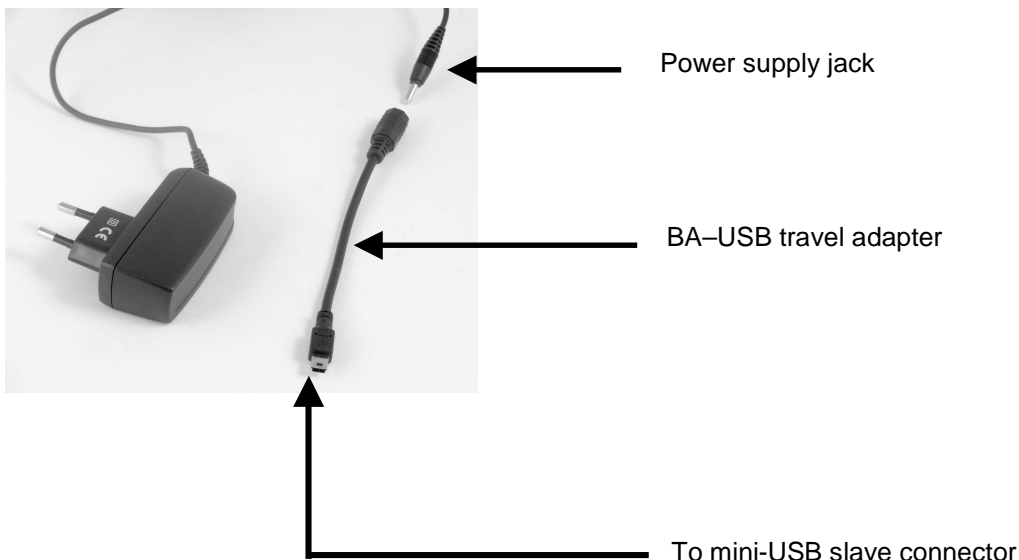
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Votre installateur / *your fitter*: