

OWNER'S GUIDE ADDENDUM

UNINTERRUPTIBLE POWER SYSTEM
FOR MODELS:

**SG1K-2T & SG1KRM-2T
SENSAPHONE 1104**



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IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

This manual contains important instructions which must be followed during the installation, operation and maintenance of this device and its batteries. Please read all instructions before operating this equipment and save this manual for future reference.

CAUTION

All of the models presented herein are designed for installation and use in a controlled environment free of contamination.

CAUTION

This device utilizes voltage that may be hazardous. Do not attempt to disassemble. This unit contains no user replaceable parts. Refer all servicing to Falcon Electric, Inc.

CAUTION

This device is not intended to be used in conjunction with life support or operating room equipment.

CAUTION

Always unplug this device prior to cleaning and never apply liquid or spray detergent on the UPS.

CAUTION

When replacing the UPS batteries, use the same number and type of batteries (6 pieces of "D" Cell type batteries). Refer to the Sensaphone users manual for details.

CHAPTER 1

SG Sensaphone Option- Overview

This User's Guide Addendum is provided as preliminary installation and interfacing instructions for your SG Series UPS incorporating a Sensaphone 1104 Remote Telephone Management System. This manual is to be used in conjunction with the SG Series User's Manual, Sensaphone User's Manual and the Sensaphone X10 Manual. Read this handbook carefully in the order it is presented prior to installing and operating your units. This will save you time and effort in your installation and application. The illustrations will also familiarize you with the equipment operating and programming modes as well as indications. Always operate this equipment within the guidelines and specifications.

SENSAPHONE 1104



SG1K-2T UPS



SG1KRM-2T UPS



CHAPTER 2

Installation

Inspecting the Equipment

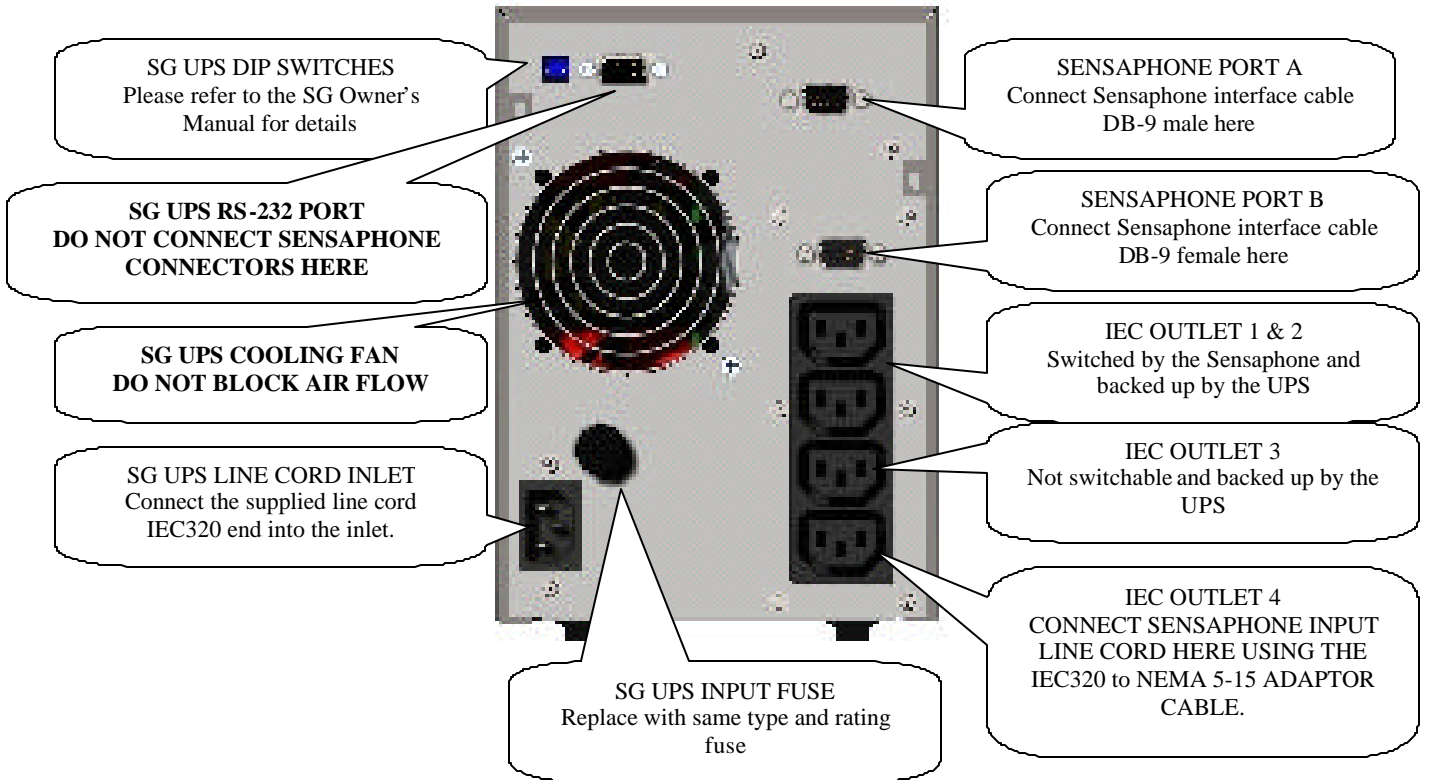
If any FALCON® equipment has been damaged during shipment, keep the shipping cartons and packing materials for the carrier and file a claim for shipping damage. If you discover damage after acceptance, file a claim for concealed damage.

To file a claim for shipping damage or concealed damage: 1) File with the carrier within 15 days of receipt of the equipment; 2) Send a copy of the damage claim within 15 days to the Falcon® Service Department.

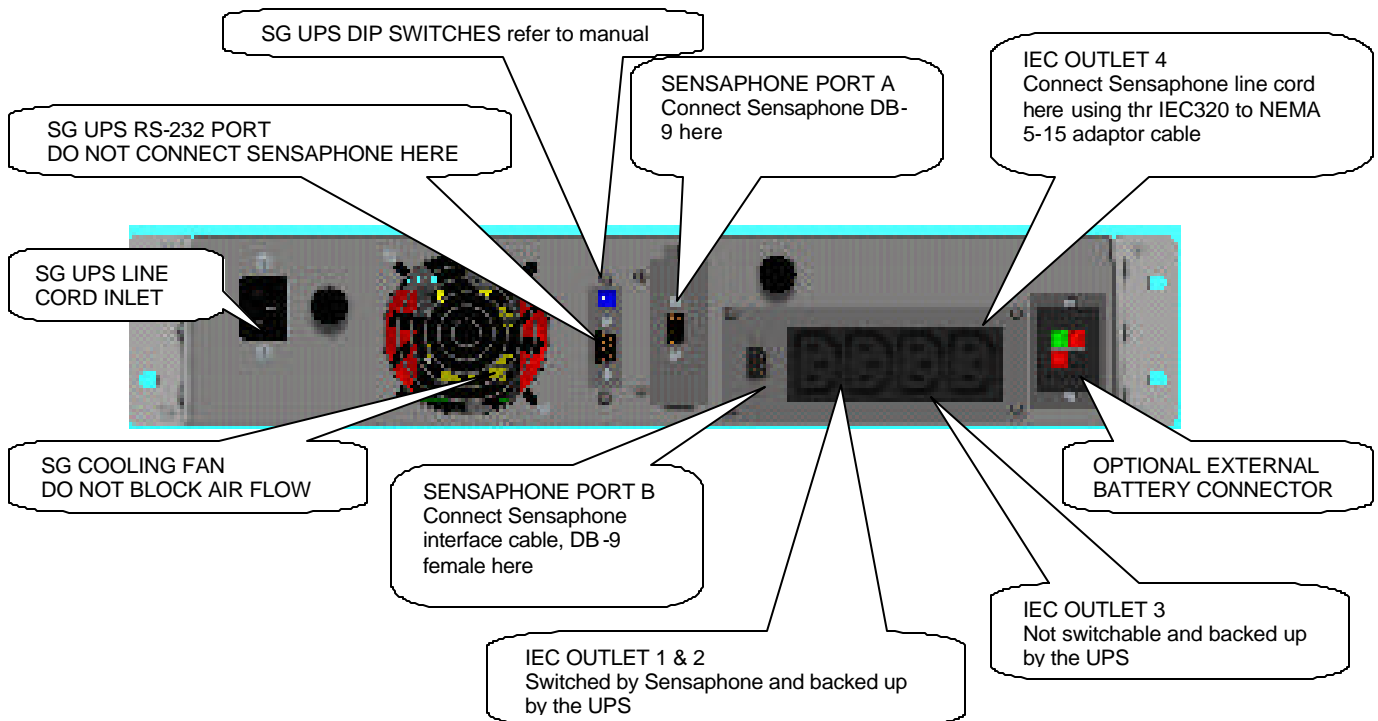
UPS & Sensaphone 1104 Setup

1. Verify that the following is included in the UPS shipping carton: UPS, Input line cord, RS-232 software, Owner's Guide.
2. Verify that the UPS unit is configured for the proper input/output voltage. This information is stated on the nameplate label located on the rear panel of the unit.
3. Verify that the following is included in the Sensaphone shipping carton: Sensaphone 1104 with connected UPS interface cable, Power Supply, IEC320 to NEMA 5-15R adapter cable, User's Manual and X10 Manual.
4. Install the six "D" cell batteries into the Sensaphone unit. Refer to the Sensaphone user's manual for details.
4. Select a suitable location for the UPS and Sensaphone unit, near enough to the computer or equipment to be protected and monitored to allow connection of the equipment power plug(s) to the receptacles located on the rear panel of the UPS.
5. **DO NOT BLOCK UPS AIR VENTS. THE UPS MUST NOT BE INSTALLED IN AN ENCLOSED AREA.**
6. Refer to the SG UPS Rear Panel Detail on the next page for the following steps.
 - a. **Connect the Sensaphone input power to UPS outlet 4 using the supplied IEC320 to NEMA 5-15P adapter cable.**
 - b. Connect the DB-9 MALE connector on the Sensaphone interface cable to the Sensaphone A Port on the UPS rear panel.
 - c. Connect the DB-9 FEMALE connector on the Sensaphone interface cable to the Sensaphone B Port on the UPS rear panel.

SG1K-2T UPS REAR PANEL DETAILS



SG1KRM-2T UPS REAR PANEL DETAILS

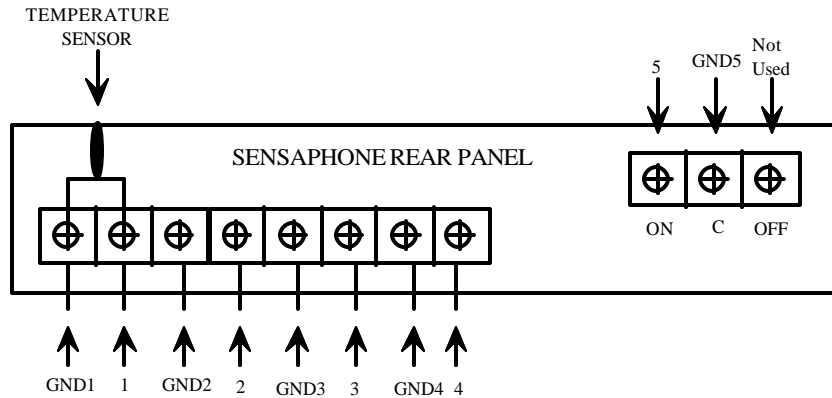


- d. Connect the UPS input power cord to the UPS inlet located on the UPS rear panel.
- e. Verify the UPS output voltage Dip Switch setting match your local utility voltage. Refer to the SG Owner's Manual for details.
- f. Connect the UPS input plug to a nearby grounded receptacle. NEVER USE AN EXTENSION CORD.
- g. Connect the input power plugs for the equipment you want to switch on and off to the UPS outlets 1 & 2 only. These outlets are battery backed up.
- h. Connect the input power plugs for the equipment you want on all of the time to the non-switched UPS outlet 3. This outlet is battery backed up.
- i. **UPS OUTLET 4 (BOTTOM OUTLET for SG1K-2T), (OUTLET TO THE RIGHT FOR SG1KRM-2T) IS RESERVED FOR CONNECTING THE SENSAPHONE INPUT PLUG. THE SENSAPHONE INPUT PLUG MUST BE CONNECTED TO THIS OUTLET.**
- j. **READ THE SENSAPHONE OWNER'S AND X10 MANUALS BEFORE GOING ANY FURTHER.**

CHAPTER 3

Preliminary Operating Instruction

SENSAPHONE CABLE CONNECTIONS & ASSOCIATED ALERT CONDITIONS



UPS & INTERFACE CABLE CONNECTIONS

GND1	Temperature Sensor Return		"Temperature Alert Condition 1"
1	---- Temperature Sensor Signal		
GND2	Utility Loss Return (orange wire)		"Alert Condition 2" (Utility Loss to UPS)
2	---- Utility Loss Signal (brown wire)		
GND3	On Battery Return (blue wire)		"Alert Condition 3" (UPS on at low battery)
3	---- On Battery Signal (white wire)		
GND4	Alarm/On bypass Return (green wire)		"Alert Condition 4" (UPS in alarm or bypass)
4	---- Alarm/On bypass Signal (yellow wire)		
GND5	UPS Output Control Return (gray wire)		
5	---- UPS Output Control Signal (violet wire)		Turns UPS outlets 1 & 2 on & off

Note: UPS outlets 1& 2 are controllable by the Sensaphone and backed up by the UPS.

UPS outlet 3 is on continuously and backed up by the UPS.

UPS outlet 4 is on continuously and backed up by the UPS. CONNECT SENSAPHONE INPUT POWER PLUG TO THIS OUTLET

| "Loss of Sensaphone Input Power Alert Condition" (UPS lost it's output)

UPS & SENSAPHONE ALERTS

- ALERT 1 Room temperature (sensor located on the Sensaphone rear panel)
- ALERT 2 Loss of utility voltage sensed at the UPS input. UPS in battery mode.
- ALERT 3 UPS at low battery, approximately one minute of backup remaining.
- ALERT 4 UPS is in bypass as a normal part of the UPS startup. Ignore and reset the alarm. OR
UPS has been manually placed in bypass using the front panel button. OR
UPS is in an alarm condition. Refer to the SG user's manual for alarm details.

- SENSAPHONE POWER ALERT The Sensaphone has lost input power. The UPS has lost its output due to:
- A sustained power outage and UPS shutdown
 - The UPS was manually turned off.
 - The UPS failed and lost output

UPS OUTLET CONTROL (outlets 1 & 2 only)

Follow the instructions in the Sensaphone X10 manual for details concerning the remote and local control of this function.

Should you want to test this output control function while the UPS is operating do the following:

TO TURN ON THE UPS OUTLETS 1 & 2

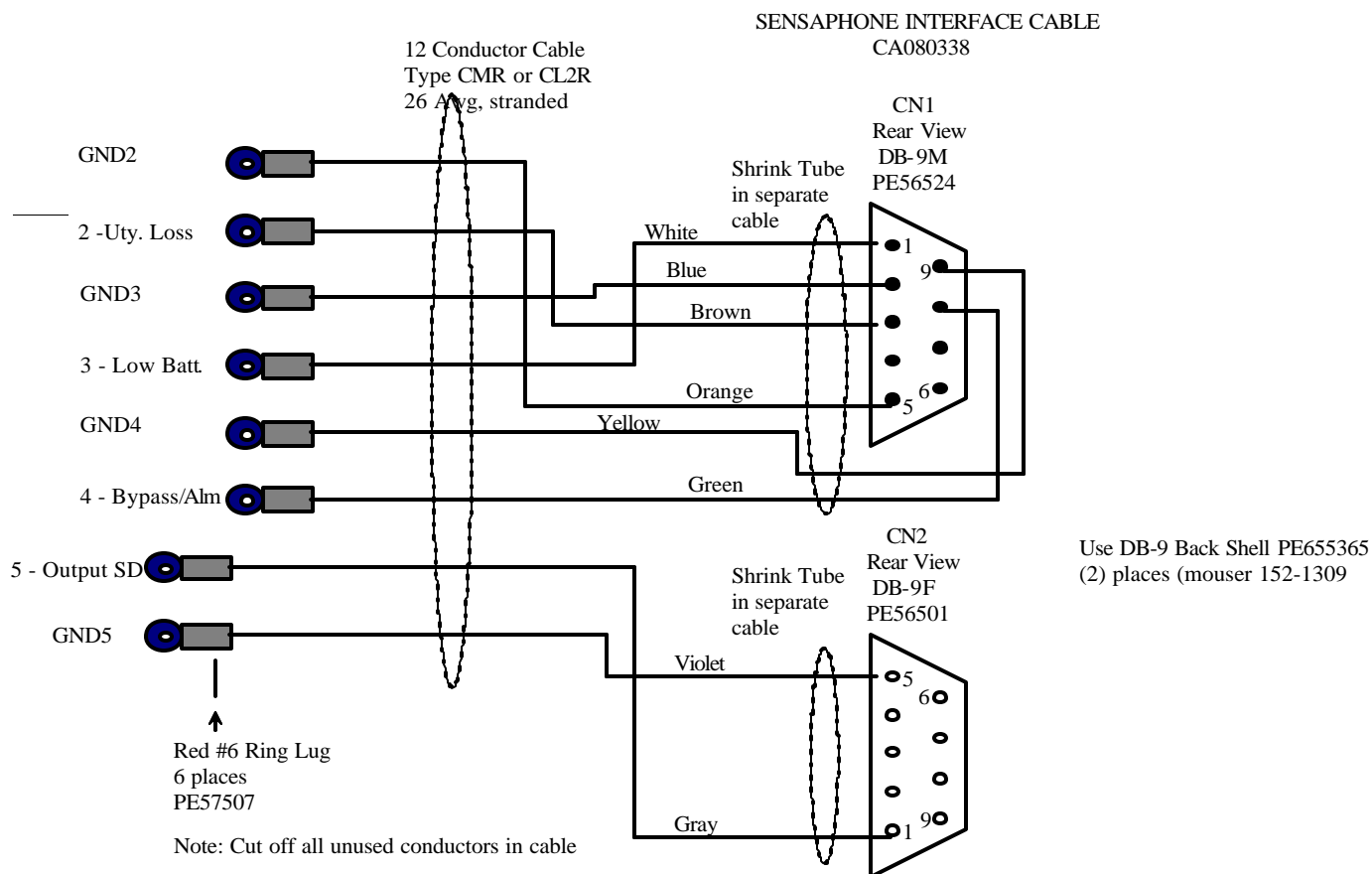
Depress the **STATUS followed by the #6 button** on the Sensaphone, The UPS outlets should turn on.

TO TURN OFF THE UPS OUTLETS 1 & 2

Depress the **STATUS followed by the #3 button** on the Sensaphone. The UPS outlets should turn off.

You can also dial into the Sensaphone and verify the outlet control. Refer to the Sensaphone X10 and user's manual for detailed instructions.

INTERFACE CABLE



CHAPTER 4

Technical Support

Your FALCON® Electric SG Series UPS is backed by one of the finest customer service teams assembled. Write, Call, Fax or Email should you require technical assistance or service.

For Sensaphone 1104 technical support or repair issues please contact the manufacturer directly. Technical support contact information is referenced in the Sensaphone User's Manual.

FALCON ELECTRIC, INC.
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WWW.FALCONUPS.COM

Should service be desired, you must first obtain a Return Material Authorization number (RMA) and return shipping instructions from our customer service department. Please have your UPS model, serial numbers and date of purchase on hand prior to the call. This information is located on the identification label on the rear panel of the unit. This information is essential in retrieving your unit's historical records.

The RMA number issued must appear on the outside of the shipping carton. The original shipping container must be used when returning any SG Series product. Falcon® Electric will not assume any responsibility for shipping damage. In the event of shipping damage you will be charged for repairs due to the damage.

All units must be returned prepaid. The address and shipping instructions will be given to you at the time the RMA is issued.

7. **Requesting Technical Information or Support.**

You may request technical information or support by Email or telephone. Please send your technical or support questions by Email to:

SUPPORT@FALCONUPS.COM

You may contact a FALCON support engineer directly by calling the FALCON support line between 9:00 am and 4:00 pm PST.

626.962.7770

8. **FALCON Web Support**

Product data sheets, specification and owner's guides are available in Adobe .PDF format on our corporate website.

WWW.FALCONUPS.COM