

SPARE PARTS

SPARE PARTS FOR SOS-LIFE EARTHQUAKE/EMERGENCY ALARM

SOS-LIFE earthquake/emergency alarm unit	ORDER # HWS/0001
SOS-LIFE mounting bracket	ORDER # HWS/0002
SOS-LIFE Accupack 4,8V DC; 950 mAh	ORDER # HWS/0003
SOS-LIFE adapter 230V; 50 Hz	ORDER # HWS/0005
SOS-LIFE adapter 110V; 60 Hz	ORDER # HWS/0006

See our website www.sos-life.com for ordering information.

SOS-LIFE is a quality product from SOS-LIFE N.V., Curaçao, Netherlands Antilles.

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Manual Note

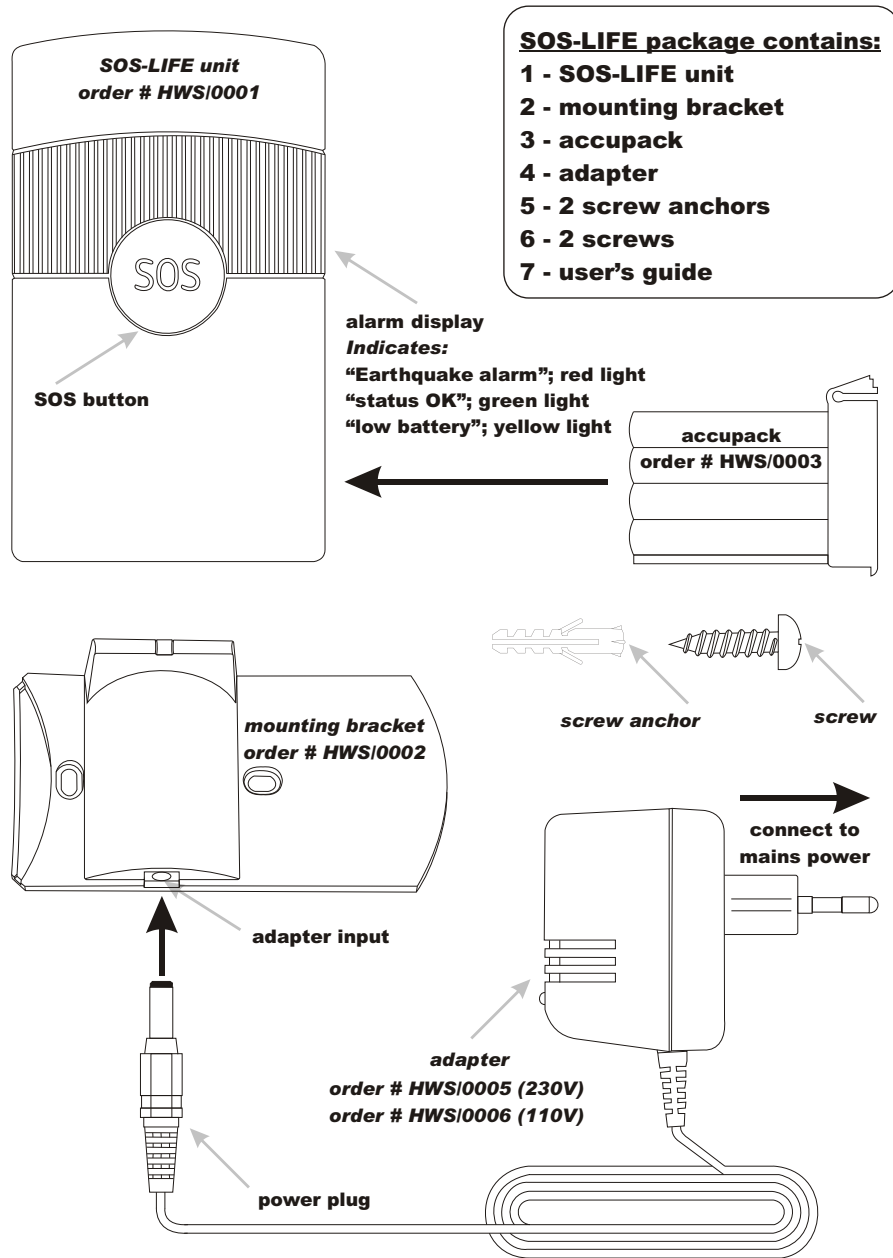
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Version 1.10-LAB



USER'S GUIDE

GETTING ACQUAINTED WITH YOUR SOS-LIFE



TROUBLESHOOTING GUIDE

GENERAL / EARTHQUAKE DETECTION MODUS

<i>Problem:</i>	<i>reason/ you should:</i>	<i>page:</i>
Green light flashes in alarm display	do nothing, unit is working correctly	4
Green light does not flash in alarm display	check accupack for right connection and freshness check adapter for right connection check for right connection with mounting bracket	4
Green light burns continuously	the unit is not working properly and needs service	8
Yellow light burns continuously, alarm sounds every now and then	insert the accupack charge the accupack (currently undercharged) <i>Note:</i> if after ca. 2 hours charging time the yellow light still burns, the accupack is not working properly and needs to be changed	4 6
Red light flashes	take emergency steps, earthquake can strike within seconds	5
Alarm sounds	take emergency steps, earthquake can strike within seconds	5
Earthquake occurred, unit did not alarm	earthquake was not strong enough the unit may be handled improperly the unit is not working properly and needs service <i>Note:</i> though the unit is designed to be as reliable as possible, due to several conditions the unit may not sound the alarm, although a major earthquake occurred.	3 7 8 3
Alarm sounded, but no earthquake occurred	the accupack is not working properly and should be replaced renewed proper mains power function after mains power breakdown (<i>note:</i> green light burns ca. 1 minute) <i>Note:</i> though the unit is designed to be as reliable as possible, due to several conditions, unwanted alarms can occur	6 4 3

TESTING MODE

<i>Problem:</i>	<i>reason/ you should:</i>	<i>page:</i>
Unit does not alarm after turning	repeat steps 4 and 5 the unit may be handled improperly the unit is not working properly and needs service	6 7 8
After pressing "SOS button", no emergency signal can be heard and no lights start flashing	the unit may be handled improperly. he unit is not working properly and needs service the accupack is undercharged <i>Note:</i> to save battery power, the SOS emergency signal can only be sent out every 5 minutes.	7 8 6 3

LIMITED WARRANTY

COVERAGE

SOS-LIFE N.V. warrants its enclosed SOS-LIFE earthquake detector with built-in SOS signal transmitter to be free from defects in materials and workmanship under normal use for a period of one year from the date of purchase. SOS-LIFE N.V. makes no other express warranty for this unit. This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or limitations of the warranty. This warranty does not cover normal wear of parts, modifications or alterations occurring after the date of purchase or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage, current or use of other than specified accupack, use in contrary to the operating instructions, disassembly, repair or alteration by anyone other than SOS-LIFE N.V.. SOS-LIFE N.V. shall not be liable for any incidental or consequential damages caused by the breach of this or any other warranty expressed or implied whatsoever, even if the loss or damage is caused by the company's negligence or fault. SOS-LIFE N.V. shall not be obligated to pay for any investigation or service call, due to shutting off gas, electricity etc., arranged by the homeowner in response to an alarm. This warranty gives you specific legal rights and you may also have other rights which may vary from province to province, state to state or country to country.

SERVICE

Units under warranty and in need of repair should be returned completely (SOS-LIFE unit, mounting bracket, adapter and accupack) with purchase receipt, security seals intact, shipping prepaid, to the dealer where you purchased your SOS-LIFE unit.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS FOR SOS-LIFE EARTHQUAKE/EMERGENCYALARM

Alarm indication:	Display: view angle: 60°, intensity: 2500 mcd
	horn: 85 dB. at one meter
Dimensions:	width: 3,3 in. / 8,5 cm.
	length: 1,6 in. / 4 cm.
	height: 5,7 in. / 14,5 cm.
Weight:	ca. 220 gr.
Material:	ABS
Power consumption:	max. 120 mA.
Battery life:	during emergency situation ca. 1 week.
Operating temperature:	32 F. - 113 F. / 0 C. - 45 C.
Mains adapter:	input 110V / 230V AC; output 7-7,5V DC; current 450 / 500 mA.
Accupack:	NiMH; 4,8V DC; 950 mAh



Attention:

EC declaration of conformity can be found on our website: www.sos-life.com.

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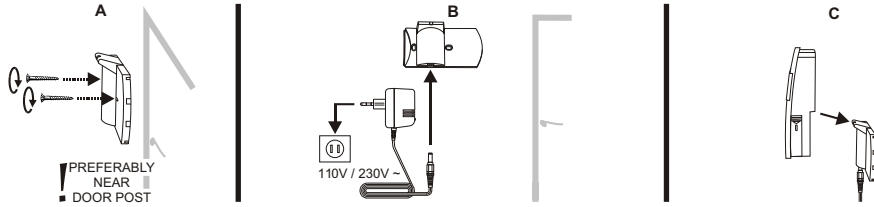
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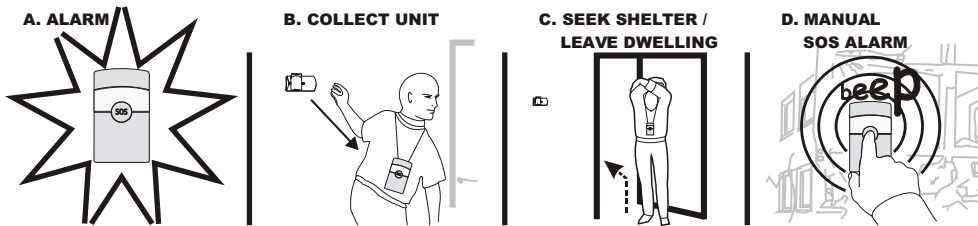
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SHORTENED USER'S GUIDE

1. INSTALLATION

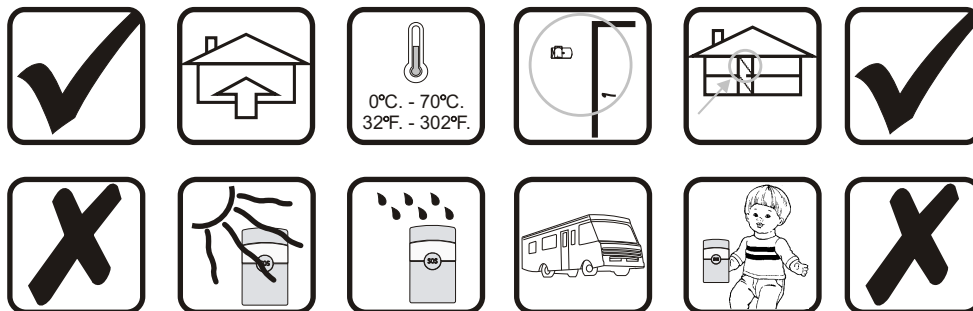
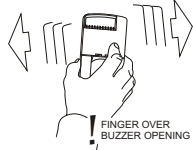


2. DURING AN EMERGENCY SITUATION



3. TESTING

WEEKLY TESTING



WARNING! For your own security, carefully read the entire user's guide!

GENERAL LIMITATIONS

This earthquake detector is intended for residential, indoor, use. Like all other electronic devices, it has its limitations.

This unit will not work without power.

This unit requires a connected mains adapter (included) and SOS-LIFE unit (to mounting bracket) and a fresh accupack (status of the accupack is displayed on the low battery light in the alarm display). In SOS transmitter mode, this unit requires a fresh accupack (status of the accupack is displayed on the low battery light in the alarm display). During mains power breakdown, the unit will be powered by the accupack (if properly charged).

Your earthquake alarm may not be heard.

If the unit is installed outside the bedroom, it may not wake up a sound sleeper or one who has recently used drugs or has been drinking alcoholic beverages. This is especially true if the door is closed or only partly open. Even persons who are awake may not hear the alarm horn if the sound is blocked by distance or closed doors. Noise from traffic, stereo, radio, television, air conditioner, or other appliances may also prevent alert persons from hearing the alarm sound. Although an optical alarm is included (red light in alarm display), this unit is not intended for people who are hearing impaired.

Your audible SOS emergency signal may not be heard by rescue workers.

Due to various conditions, like distance from rescue worker, composition of debris, hearing ability of rescue worker or animal and numerous other variables, intensity of the audible SOS emergency signal may not be strong enough to be detected by people or animals.

This unit may not have time to alarm before earthquake occurs.

This unit is designed and calibrated to alarm when it detects a P wave, expected to be followed up by a major earthquake. Due to various conditions, like soil composition, distance from epicenter etc. the unit may not have enough time to alarm before the earthquake causes damage.

Your SOS-LIFE is not foolproof.

Like all other electronic devices, this unit has its limitations. SOS-LIFE can only detect an earthquake that reaches the sensor.

Your SOS-LIFE has a limited life.

Although this unit and all of its parts have passed many stringent tests and have been designed to be as reliable as possible, any of these parts could fail at any time. Therefore, you must test this unit every week.

Your SOS-LIFE is not a substitute for life insurance.

SOS-LIFE N.V. does not warrant, nor imply in any way, shape or form, that they will protect lives and property from earthquakes. Homeowners and renters must still insure their lives.

TESTING AND MAINTENANCE

WEEKLY TESTING

WARNING! Exposure at close range may be harmful to your hearing. When testing, place a finger over the horn opening, or step away when the alarm starts sounding. When the unit is detached from the mounting bracket, the earthquake detection mode will not work.

1. Leave the unit in the mounting bracket.
2. Push the "SOS button".
3. The alarm will sound 5 times and all lights will flash 5 times in the alarm display. Hereafter, the green Light will start flashing again.
4. Take the unit from the mounting bracket.
5. Turn the unit (shake from left to right). *Note: testing is not possible when yellow "low battery" or green "status OK" indication lights permanently; first testing is only possible after at least one hour charging time.*
6. The alarm will sound (In most cases, the alarm will already sound instantly after taking the unit from the mounting bracket; this means that the unit is working correctly).

REGULAR MAINTENANCE

Test your unit weekly.

Create a family earthquake plan and practice your plan together with your weekly SOS-LIFE unit test.

Vacuum the enclosure twice a year, using the soft brush attachment.

Replace the accupack when the yellow low battery light lights permanently in the alarm display.

ACCUPACK MAINTENANCE

To ensure a long lifetime, each new accupack should be loaded for the first time for at least 12 hours without interruption. If the yellow low battery light lights up and the alarm sounds every now and then, the accupack is undercharged. Press the SOS-button to turn off the alarm. Once the accupack is charged correctly, the yellow light will turn off.

LOW BATTERY INDICATION

When the low battery light lights permanently in the alarm display and the alarm sounds every now and then shortly, the accupack should be replaced instantly for continued protection.

The alarm sound can be turned off by pushing the SOS-button on the unit's front side.

When the unit is detached from the mounting bracket, the low battery indication will not work.

Attention:

DO NOT use cleaning detergents or solvents to clean the enclosure or mounting bracket.

DO NOT paint over the enclosure or mounting bracket.

This unit requires a specific accupack, order # HWS/0003, available at your SOS-LIFE dealer. See page 4 ("installing the accupack") for installation guidance of a new accupack.

WARNING! Do not use other than specified accupack because of explosion danger.

INTRODUCTION

BASIC PRODUCT FEATURES

- Digital, stand alone, earthquake alarm.
- Additional SOS transmit button for manually sending out the international distress signal (acoustic SOS signal).
- During emergency situation, powered by an accupack.
- Convenient test function.
- Colored lights in the alarm display indicate "earthquake alarm", "status ok", "low battery".
- Loud 85 dB. alarm.
- Carrying strap for convenience.
- During mains power breakdown powered by an accupack (if fully loaded).

WHAT YOU SHOULD KNOW ABOUT THE EARTQUAKE ALARM

Earthquakes have the following structure:

P wave, reaches you first, causing no damage.

S wave, reaches you second, potentially causing damage to your house.

R wave, reaches you third, potentially causing damage to your house.

The earthquake alarm continuously monitors your surrounding area for harmless P waves.

When it detects a P wave, expected to be followed up by a major earthquake, the unit will alarm acoustically and optically. Alarming time can reach up to 60 seconds, but is depending on the time between the P wave and S wave. Exact warning time cannot be given as it is depending on several variables like soil composition, your distance from the epicenter, depth of the earthquake etc.

Note: though the unit is designed to be as reliable as possible, due to several conditions, unwanted alarms can occur.

Note: though the unit is designed to be as reliable as possible, due to several conditions the unit may not sound the alarm, although a major earthquake occurred.

WHAT YOU SHOULD KNOW ABOUT THE EMERGENCY ALARM

The "SOS button" on the unit's front side can be used to send out the acoustic international SOS distress signal for rescue workers.

When the unit sounds the alarm, you should immediately reach for it and carry it along with the carrying strap. If it is impossible to leave the dwelling, it is possible to send out the acoustic international SOS distress signal by pushing the "SOS button". When using this function, it can be easier for people or animals to locate your position where you are trapped. To save battery power, this feature is electronically protected against overuse. The SOS emergency signal can be sent out every 5 minutes.

INSTALLATION

WHERE TO INSTALL SOS-LIFE



Install SOS-LIFE:

- **On a solid wall (connection with structure's foundation).**
- In indoor locations only.
- In places with temp. between 32 and 113°F.
- Close to "objects" that can provide safety against falling objects when you move towards the SOS-LIFE unit for collection (for instance a door-post, solid inside wall, desk or a sturdy table).
- Preferably near upper corridor or in bedroom so that it can wake up sleeping occupants.
- Inside a single family home, condominium or apartment only.
- In an easy accessible place, so that it can be collected easily in emergency situation.
- Close to mains power (110V or 230V).

Depending on the size of the home, it is recommended to install at least one SOS-LIFE unit on every level of your home. In hotels or multi family buildings, each housing unit should have at least one separate SOS-LIFE unit in each bedroom.

WHERE NOT TO INSTALL SOS-LIFE



WARNING! DO NOT install SOS-LIFE:

- In direct sunlight.
- In extremely humid areas (shower, sauna etc.)
- In boats, RV's, mobile homes etc.
- In places where small children can reach the unit.
- **In places where earthquake vibrations cannot optimally reach the sensor (walls without "direct" connection to foundation).**
- In places where the alarm cannot be heard by sleeping occupants.
- In common lobbies or commercial building hallways, etc.

INSTALLING THE ACCUPACK

Installing for the first time: Slide the accupack into the SOS-LIFE unit until it snaps in securely and you hear a "click". Attach the SOS-LIFE unit to the mounting bracket.

Installing a new accupack after low battery indicator lights: Slide the new accupack into the SOS-LIFE unit. Push permanently on the SOS-button on the unit's front side until the yellow light turns off.

INSTALLING THE MOUNTING BRACKET

Place the mounting bracket against the wall and use a pencil to mark the center of the two mounting openings. Drill a hole through each pencil mark (use a 5mm / 0,195 in. drill bit). Insert the plastic screw anchors into the holes. Screw the mounting bracket to the wall, using the two provided screws. Do not fasten too tight as this can destroy the mounting bracket.

INSTALLING THE MAINS ADAPTER

Put the mains adapter into the mains socket.
Put the power plug into the mounting bracket.

INSTALLING THE SOS-LIFE UNIT

Attach the SOS-LIFE unit to the mounting bracket. The green light in the alarm display will light for 1 minute. After 1 minute the green light will start flashing and the alarm will sound shortly, indicating proper function. The green Light will flash every 5 seconds.

DURING AN EMERGENCY SITUATION

Integrate SOS-LIFE into your family earthquake preparedness procedures! Being prepared is of utmost importance, therefore review your earthquake preparedness procedures and design a family earthquake plan. Information can be obtained in the emergency section of your phone book or on the Internet (for instance www.sos-life.com).

WHAT TO DO IF AN EARTHQUAKE IS DETECTED

WARNING! When the unit sounds the alarm and flashes the red lights in the alarm display, a potentially dangerous earthquake can occur within seconds! Never ignore the alarm! Responding to an alarm:

DO NOT PANIC! REMAIN CALM!

- Immediately reach for your SOS-LIFE and carry it along, using the carrying strap (located at the back of the unit).
- Take cover (under a desk or sturdy table or against a solid inside wall. Protect your head with your arms) or leave the dwelling.
- Stay away from windows and heavy objects that could fall.
- Do not try to leave the building during the shaking.
- Hold onto your cover until the shaking stops.
- The alarm will sound ca. 2 minutes.
- Detach the unit from the mounting bracket to turn the alarm off.

These steps are just guidelines. Create a family earthquake plan!

WHAT TO DO AFTER THE EARTHQUAKE OCCURED

- Be prepared for aftershocks!
- Check for injuries. Give first aid, as necessary.
- Check for fire. Take appropriate actions. If gas, water or electric lines are damaged, shut off service.
- Listen for emergency bulletins.
- Stay out of damaged buildings.

These steps are just guidelines. Create a family earthquake plan!

WHAT TO DO IF TRAPPED INSIDE A COLLAPSED STRUCTURE

If you are trapped and you carry your SOS-LIFE unit, you can send out the international SOS distress signal (audible) manually, by pushing the "SOS button" at the front of the enclosure. This feature is electronically protected against overuse. The SOS distress signal can be sent out every 5 minutes.