



Please dispose of Packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised re-cycling agent. This will allow the recycling of raw materials and help protect the environment.



machinery specialists since 1968

Rescue Pac 1600



03936

**FOR HELP OR ADVISE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR,
OR SIP DIRECTLY ON:
TEL: 01509500400
EMAIL: sales@sip-group.com or technical@sip-group.com
www.sip-group.com**

Please read and fully understand the instructions in this manual before operation. Keep this manual safe for future reference

DECLARATION OF CONFORMITY

Declaration of Conformity

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer's authorised representative within the EC
declare that the


Rescue Pac 1600 - SIP Pt. No. 03936

Conforms to the requirements of the following directive(s), as indicated.

2006/95/EC	Low Voltage Directive
2004/108/EC	EMC Directive
2002/95/EC	ROHS Directive
<small>As Amended By</small> 2008/35/EC	

And the following harmonised standard(s)

BS EN 61558-2-6:1998
BS EN 61558-1:1998+A1:1998+A11:2003
BS EN 55014-1:2006
BS EN 55014-2:1997+A1:2001
BS EN 61000-3-2:2006
BS EN 61000-3-3:1995+A1:2001+A2:2005
EN 61000-6-1:2007
EN 61000-6-3:2007

Signed: 

Mr P. Ippaso - Director - SIP (Industrial Products) Ltd
Date: 26/04/2011.





WARNING! Take care where the Rescue Pac is placed during operation; ensure that it cannot fall, and that the wires are routed so as to not come into contact with moving parts such as fans and belts etc.



Caution: Never try to start the engine for more than 5 to 6 seconds each attempt, and allow at least 3 minutes for the Rescue Pac to cool between attempts.

Charging the internal battery:

The charge status of the internal battery can be easily checked using the charge level indicator (4) located on the front of the Rescue Pac.

Press and hold the charge level test button (3)

If all 5 LED's light up the Rescue Pac is fully charged.

If less LED's light up the Rescue Pac should be charged.



Note: The level should be checked when the Rescue Pac has been at rest, not whilst, or just after it has been connected to a load, or the charger.

To charge the battery, connect the supplied mains charger to a 230v 50Hz ~ supply. Connect the DC output of the charger to the charging input on the rear of the Rescue Pac 1600.

Turn on the power at the mains.

The battery power level will illuminate to show that the Rescue Pac is being charged.



Note: The internal battery of the Rescue Pac 1600 should be charged before initial operation for 48 hours.



Note: The Rescue Pac 1600 should be recharged after each operation.



Note: When not in use for extended periods, the Rescue Pac should be charged every 3 months to ensure long trouble-free battery life.

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SAFETY INSTRUCTIONS

Safety Symbols Used Throughout This Manual.



Note: Supplementary information.



Danger / Caution: Indicates risk of personal injury and/or the possibility of damage.



Warning: Risk of electrical injury or damage!

IMPORTANT: Please read the following instructions carefully, **failure to do so could lead to serious personal injury and / or damage to the Rescue Pac and anything connected to it.**

When using your Rescue Pac, basic safety precautions should always be followed to reduce the risk of fire, electric shock, personal injury and / or damage to the unit. Read all these instructions before operation and save this user manual for future reference.

SIP recommends that this Rescue Pac should **not** be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

KNOW YOUR RESCUE PAC: Read and understand the owner's manual and labels affixed to the unit. Learn its applications and limitations, as well as the potential hazards specific to it.

KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA: All visitors should be kept at a safe distance from the work area.

STAY ALERT: Always watch what you are doing and use common sense.

DO NOT ABUSE THE CHARGER LEAD: Never pull the mains lead, or the DC output lead of the charger to remove the plug from the mains socket, or the charging lead from the rear of the Rescue Pac. Keep the leads away from heat, oil and sharp edges. If the charger is damaged, it must be replaced, or repaired by the manufacturer or its service agent or a similarly qualified person in order to avoid unwanted hazards.

HAVE YOUR RESCUE PAC REPAIRED BY A QUALIFIED PERSON: The Rescue Pac 1600 is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user and void the warranty.

OPERATING INSTRUCTIONS



Note: The internal battery of the Rescue Pac 1600 should be charged before initial operation for 48 hours.



Important: Check with the manufacturer of the vehicle to be started that it is safe to use the Rescue Pac without causing damage to the electrical system.

- Check the vehicles battery fluid level and top up if required.
- Ensure that the ignition is in the off position on the vehicle.

Connecting the Rescue Pac To The Vehicle:



Danger: a spark can be generated when connecting or removing the second clip which can ignite battery or fuel gases; the following instructions will reduce this risk.

For Negative Earth Vehicles (negative terminal of the battery is connected to the chassis / body of the vehicle):

- Connect the positive (red) clamp (1) from the Rescue Pac to the positive terminal (+) on the battery first.
- Then connect the negative (black) clamp (5) to the negative terminal on the engine (ground) or the car chassis as far as practical from the battery and fuel line.

For Positive Earth Vehicles (positive terminal of the battery is connected to the chassis / body of the vehicle):

- Connect the negative (black) clamp (5) from the Rescue Pac to the negative terminal (-) on the battery first.
- Then connect the positive (red) clamp (1) to the positive terminal on the engine (ground) or the car chassis as far as practical from the battery and fuel line.
- Leave the Rescue Pac connected for a few minutes to allow some charge from the Rescue Pac to flow into the battery of the vehicle.
- Ensure that the cables are routed so that they cannot come into contact with moving parts such as fans or belts etc.
- Switch the ignition of the vehicle on as you would normally start the vehicle.
- Once the vehicle has started, remove the clamp immediately from the vehicles chassis first followed by the battery connection.

GETTING TO KNOW YOUR RESCUE PAC 1600



Ref. No.	Description	Ref. No.	Description
1	Positive (Red) Clamp	4	Charge Level Indicator
2	12v DC Outlet	5	Negative (Black) Clamp
3	Charge Level Test Button	6	Charge Port

SAFETY INSTRUCTIONS...cont

DANGER! Check that the mains charger and Rescue Pac are in sound condition and good working order. Take immediate action to repair or replace damaged parts.

USE RECOMMENDED PARTS ONLY - Unapproved parts may be dangerous and will invalidate the warranty.

WARNING! Take care where the Rescue Pac is placed during operation; ensure that it cannot fall, and that the wires are routed so as to not come into contact with moving parts such as fans and belts etc.

WARNING! Do not allow untrained persons to operate the Rescue Pac and do not operate the unit without all covers etc. correctly fitted.

- Keep all combustible materials away from the Rescue Pac.
- ALWAYS operate the Rescue Pac in an area of good ventilation.
- Never stand on the Rescue Pac, or use it as a step.
- DO NOT dismantle or tamper with the Rescue Pac, or mains charger, as this may be dangerous and will invalidate the warranty.
- When using the mains charger, pull on the plug and never on the wire when disconnecting from the Rescue Pac and the mains supply.
- Do not operate in an explosive environment and / or with flammables such as petrol, gas etc.
- Wear safety goggles during use.
- Use of an accessory or attachment not recommended or sold by SIP, may result in a risk of damage to the unit, or injury to personnel.
- Do not recharge the Rescue Pac with a damaged plug or cord. Replace the broken part immediately.
- Do not submerge the Rescue Pac or mains charger in water.
- Never allow the red and the black clamp to come into contact with each other or allow them to contact a common conductor; Lead-acid batteries store a large amount of energy. Short-circuiting the battery or charger terminals will cause the battery to try and release this energy immediately.
- Always store the clamps securely in their appropriate holders on the side of the Rescue Pac when not in use.
- Do not attempt to repair the Rescue Pac yourself if found to be defective, have it repaired by a suitably qualified person; contact your distributor or SIP for advice.
- Always recharge the Rescue Pac after each use.
- Never use the mains charger in damp or wet locations.
- Do not store the Rescue Pac where temperatures could exceed 50°C

If a problem with the Rescue Pac is experienced, or if the mains charger or plug become damaged, contact your distributor for repair.

If the Rescue Pac is used in a place of work all rules and laws etc. relating to the use of portable electrical appliances should be followed.

SAFETY INSTRUCTIONS...cont



Danger: During operation, batteries can give off some hydrogen and oxygen creating a highly explosive mix. Ensure adequate ventilation exists and avoid sparks, smoking, etc.



Caution: During battery maintenance ensure adequate clean water is available in the event of an acid spill. The liquid inside batteries is highly corrosive therefore ensure that it is not allowed to make contact with the skin (especially eyes).



Important: When the Rescue Pac is not in use, recharge it at least every 3 months with the supplied charger. Failure to follow these instructions may void your warranty.



Caution: The warnings and cautions mentioned in this user manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied.

GUARANTEE

Guarantee:

This SIP Rescue Pac 1600 is covered by a 12 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the Rescue Pac outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges including, but not limited to parts, labour and carriage costs. Consumable items such as fuses are not covered by the warranty.

In the unlikely event of warranty claims, contact your distributor as soon as possible. Proof of purchase will be required before any warranty can be honoured.



Note: Proof of purchase will be required before any warranty can be honoured.

ELECTRICAL CONNECTION

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage.

You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices; A residual current circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a residual current device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician.

Connecting to the power supply:

The mains charger for the Rescue Pac 1600 is designed to work with a standard 230v ~ 13 amp supply. Before using the mains charger, inspect it to ensure that it is not damaged. If any damage is visible have the charger inspected / repaired by a suitably qualified person.



Note: Always make sure the mains supply is of the correct voltage and frequency. If an extension lead is required in order to reach the mains supply; ensure that this too is rated for the correct voltage and fuse rating.



Note: The cross section of the extension lead should be checked so that it is of sufficient size so as to reduce the chances of voltage drops.

TECHNICAL SPECIFICATIONS

Model No.	03936
Model Name	Rescue Pac 1600
Output Voltage	12v
Internal Battery Capacity	22 Ah
Boost Peak Rate	1600 amps
Cranking Rate	700 amps
Cable Length	800 mm
Net Weight	8.9 Kg
Charger	
Input Voltage	230v ~
Input Frequency	50/60 Hz