



*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.*

**sip**  
SIP INDUSTRIAL

**machinery specialists since 1968**

# **Rescue Pac**

## **3000 12/24v**



03937

**FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR,  
OR SIP DIRECTLY ON:**

**TEL: 01509500400**

**EMAIL: [sales@sip-group.com](mailto:sales@sip-group.com) or [technical@sip-group.com](mailto:technical@sip-group.com)**

**[www.sip-group.com](http://www.sip-group.com)**

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

## UK - DECLARATION OF CONFORMITY

### DECLARATION OF CONFORMITY

We

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

As the manufacturer within the  
UK, England, Scotland & Wales,  
declare that the

Rescue Pac 3000 - SIP Part No. 03937

**Conforms to the requirements of the following**

**Directive/s, as indicated.**

Electrical Equipment (Safety)  
Regulations 2016

Electromagnetic Compatibility  
Regulations 2016  
The Restriction of the Use of Certain  
Hazardous Substances in Electrical and  
Electronic Equipment Regulations 2012

**And the relevant harmonised  
standard/s, including:**

BS EN IEC 60335-2-29:2004+A2:2010+A11:2018  
BS EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019  
BS EN 62233:2008  
BS EN 55014-1:2017  
BS EN 55014-2:2015  
BS EN IEC 61000-3-2:2019  
BS EN 61000-3-3:2013+A1:2019  
BS EN 61000-6-3:2007+A1:2011  
BS EN 61000-6-1:2009



Signed:

Mr P. Ippaso - Director - SIP  
(Industrial Products) Ltd Date:  
01/01/2021.

## EU - DECLARATION OF CONFORMITY

### DECLARATION OF CONFORMITY

**Declaration of Conformity**

SIP (Machinery Europe) Ltd  
ASM Chartered Accountants  
First Floor Block One  
Quayside Business Park  
Dundalk  
County Louth  
Republic of Ireland

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

Rescue Pac 3000 - SIP Part No. 03937

**Conforms to the requirements of the  
following Directive/s, as indicated.**

2014/35/EU  
2014/30/EU  
2011/65/EU As Amended By  
(EU) 2015/863

Low Voltage Directive  
EMC Directive  
RoHS Directive

**And the relevant harmonised  
standard/s, including:**

EN IEC 60335-2-29:2004+A2:2010+A11:2018  
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019  
EN 62233:2008  
EN 55014-1:2017  
EN 55014-2:2015  
EN IEC 61000-3-2:2019  
EN 61000-3-3:2013+A1:2019  
EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2009

Signed:

Mr P. Ippaso - Director - SIP (Industrial  
Products) Ltd Date: 20/05/2021.



## OPERATING INSTRUCTIONS....cont



**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 - 4 minutes for the Rescue Pac to cool between attempts.

### CHECKING THE CHARGE STATUS OF THE INTERNAL BATTERY

The charge status of the internal battery can be easily checked using the charge level indicator (6) located on the front of the Rescue Pac.

- Press and hold the charge level test button (3).
- Low, medium or high LED will illuminate.
- If the Low LED illuminates 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.

### CHARGING THE INTERNAL BATTERY

- Connect the supplied mains charger to a 230V 50Hz ~ supply.
- Connect the DC output of the charger to the charging input on the front of the Rescue Pac 3000.
- Turn on the power at the mains.
- Turn the Rescue Pac on, use 12v position *only*. Alarm will sound if not switched on. The red battery power level level will illuminate to show that the Rescue Pac is being charged. When it turns to green is is charged.



**The battery pack must not be used for 60 minutes after charging , allow the batteries to stabilise and any gas produced during charging to escape.**

**Note:** The internal battery of the Rescue Pac 3000 should be charged before initial operation for 48 hours.

**Note:** The Rescue Pac 3000 should be recharged after each operation.

**Note:** When not in use for extended periods, the Rescue Pac should be charged every 1 month to ensure long trouble-free battery life.

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## SAFETY SYMBOLS USED THROUGHOUT THIS MANUAL



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



**Warning:** Risk of electrical injury or damage!



**Note:** Supplementary Information.

## SAFETY INSTRUCTIONS



**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 / close 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 3000 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 considera-

## OPERATING INSTRUCTIONS



**Note:** See charging information on page 10 before connecting. 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.
  - Only crank the engine for 5 - 6 seconds, then leave for 3 - 4 minutes for the battery to rest and prevent "gassing".Failure to follow this procedure could lead to battery "gassing" and potential explosion / fire, resulting in personal injury.
- Once the vehicle has started, first remove the clamp immediately from the vehicles chassis followed by the battery connection.



*Don't leave the Rescue Pac connected once the vehicle is running. This will cause the batteries to overheat and induce "gassing". Failure to disconnect from a running vehicle could result in an explosion / fire and personal injury.*

## GETTING TO KNOW YOUR RESCUE PAC 3000



Item No.	Description	Item No.	Description
1	Reverse Polarity Indicator	6	Charge Level Indicators
2	Charging Status Indicator	7	Charging Port
3	Charge Level Test Button	8	Positive (Red) Clamp
4	12v DC Outlet	9	Negative (Black) Clamp
5	12v - OFF - 24v Switch	10	Mains Charger

## SAFETY INSTRUCTIONS....cont

ble danger to the user and void the warranty.

**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. present.
- Wear safety goggles and appropriate PPE 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
- Understand the operating environment; Before each use the operator should assess, understand and where possible reduce the specific risks and dangers associated with the operating environment.



## SAFETY INSTRUCTIONS....cont

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.



**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 1 month 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

This SIP Rescue Pac 3000 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 & clamps etc. are not covered by the warranty.

In the unlikely event of warranty claims, contact your distributor as soon as possible.



**Note:** If the booster has to be returned for warranty; Please return the charger and accessories etc. along with the booster. Failure to do so will incur costs.



**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 3000 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.	03937
Model Name	Rescue Pac 3000
Output Voltage	12V & 24V
Internal Battery Capacity	2 x 22 Ah
Boost Peak Rate	12v: 3000A - 24V: 1500A
Cranking Rate	12v: 1200A - 24V: 600A
Cable Length	1000 mm
Net Weight	17.5 Kg
Charger	
Input Voltage	230V ~ 50 Hz
Output Supply	12V - 1000mA