

# SUPER 30 AUTO EJECT

AUTOMATIC SHORELINE DISCONNECT



1 YEAR WARRANTY

Assembled in the UK by  
LUDO McGURK TRANSPORT EQUIPMENT LTD  
WILMSLOW - U.K.

A KUSSMAUL ELECTRONICS CO., INC. PRODUCT

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LUDO McGURK SVE

UNIT 3 CROSSFIELD ROAD, HANDFORTH, CHESHIRE, SK9 3LN.

TEL: +44 1625 527 673

FAX: +44 1625 549 929

WEB: [www.ludomcgurk.co.uk](http://www.ludomcgurk.co.uk)

EMAIL: [sales@ludomcgurk.co.uk](mailto:sales@ludomcgurk.co.uk)

## INTRODUCTION

The Super 30 Auto Eject is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt and ensures long reliable life even when mounted in the most severe environment. A novel plug detector closes and opens the A.C. circuit after the mating connector is inserted and before the connector is ejected. This eliminates arcing at the connector contacts and assures long contact life. As with all Auto Ejects, the Super 30 Auto Eject is connected to the starter circuit so that ejection occurs when the engine is cranked.

## INSTALLATION INSTRUCTIONS

### **Step 1: wiring unit**

1. Remove rear plastic cover from Super 30 Auto Eject by unscrewing (4) #8-32 screws.
2. See figure 3 DC wiring. Snake wires through small cover strain relief and install wires as shown use 0.75mm<sup>2</sup> wire minimum.
3. See figure 2 AC wiring. Snake wires through large cover strain relief and install wires as shown use 6mm<sup>2</sup> wire minimum.
4. Reinstall rear plastic cover.
5. Test the unit to see if it is operational before mounting.

### **Step 2: mounting of unit**

1. Locate a convenient place on the vehicle to mount the AUTO EJECT. Be sure that it is mounted so that the operator will have clear sight and use of 2 hands when connecting to unit (e.g. not too high and not too low).
2. A minimum clearance of 130mm behind the mounting panel is required.
3. Place the hole template (figure 4) in position and center punch in 6 places.
4. Drill 6 mounting holes, 3.5mm diameter. Be certain that all the holes are precisely located.
5. Cut-out rectangular hole.
6. See Figure 1: Mounting instructions. Install weatherproof cover, weatherproof cover gasket, mounting plate, and mounting plate gasket to Super 30 using (2)#8-32 x 3/4" and (2)#8-32 x 1 5/8" screws provided.
7. Install that assembly into cutout in truck wall using (6)#8-32 x 1/2" self-tapping screws provided.



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## TEST AND OPERATION

To test the unit, make sure all wiring is complete. Plug in connector to the Auto Eject and start the vehicle. The connector should eject at this time.

The Super 30 Auto Eject disconnects the shoreline by extending a shaft to push the connector out of the unit.

A novel plug detector closes and opens the A.C. circuit after the mating connector is inserted and before the connector is ejected. This eliminates arcing at the connector contacts and assures long contact. Because of this, the connector can be operated manually or automatically with no damage to the unit.

## NOTES AND CAUTIONS

### **NOTE**

Do not permit the shoreline connector to drop to the floor when it is ejected. Keep from falling by suspending cable from above, with connector just above the floor when not in use. Dropping the connector may result in damage or breakage, and connectors on the floor are often driven over, thereby destroying them. Kussmaul Electronics and Ludo McGurk Transport Equipment do not warrant the connector.

### **ABOUT CONNECTORS**

The Super 30 Auto Eject is supplied with mating connector. We suggest that you utilize the connector supplied. When replacing with another connector, test carefully that the new connector fits and will eject properly.

## WARRANTY

All products of Kussmaul Electronics Company Inc. & Ludo McGurk Transport Equipment Ltd. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 3 years from the date the equipment was shipped. Equipment is to be returned; shipping charges prepaid and will be returned, after repair, shipping charges paid.

Kussmaul Electronics Company, Inc. & Ludo McGurk Transport Equipment Ltd shall have no liability for damages of any kind to associated equipment arising from the installation and /or use of the Kussmaul Electronics Company, Inc. & Ludo McGurk Transport Equipment Ltd products. The purchaser, by the acceptance of the equipment, assumes all liability for any damages, which may result from its installation, use or misuse, by the purchaser, his or its employees or others.



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# A.C. WIRING CONNECTIONS SUPER 30 AUTO-EJECT

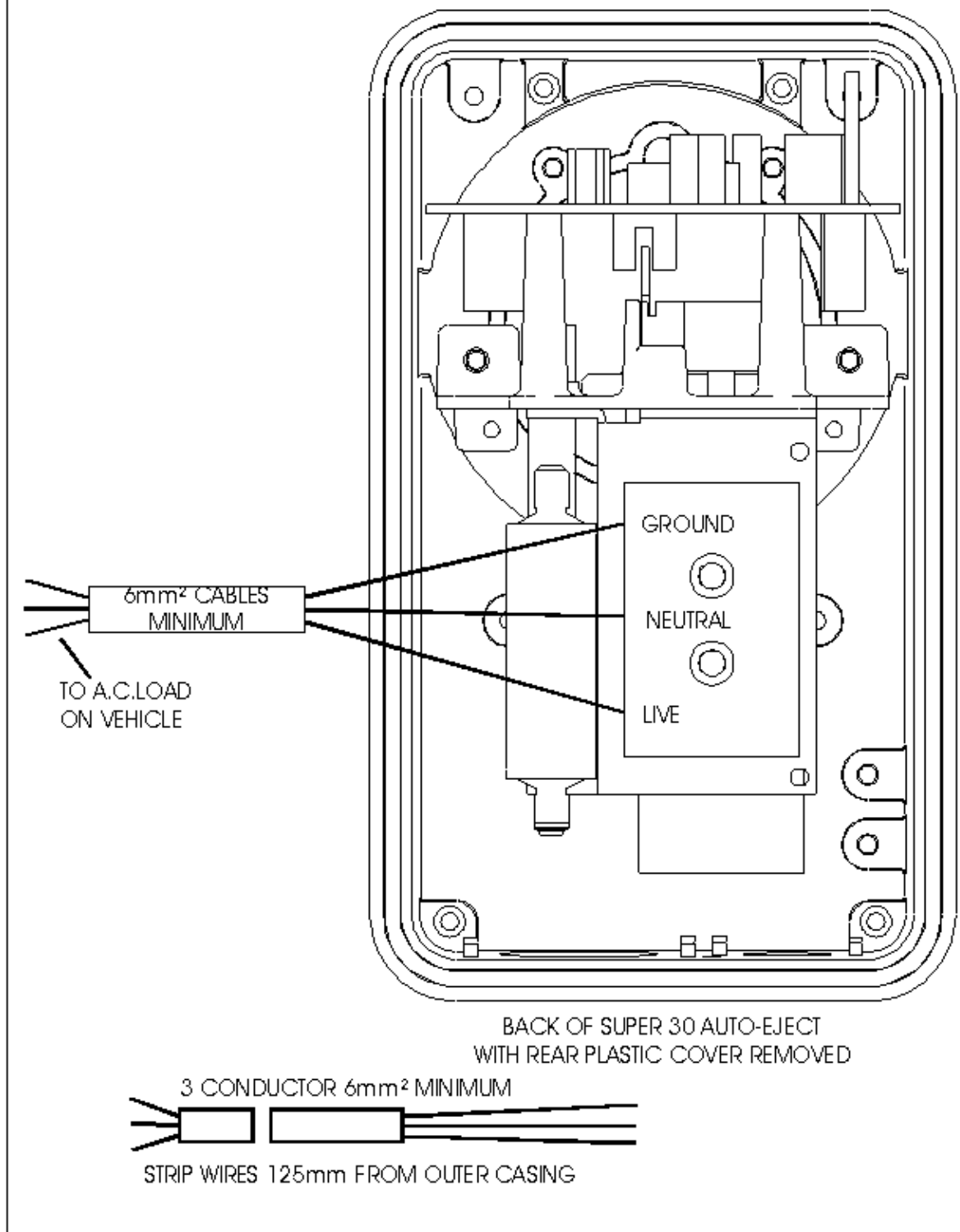


Figure 2: AC wiring connections



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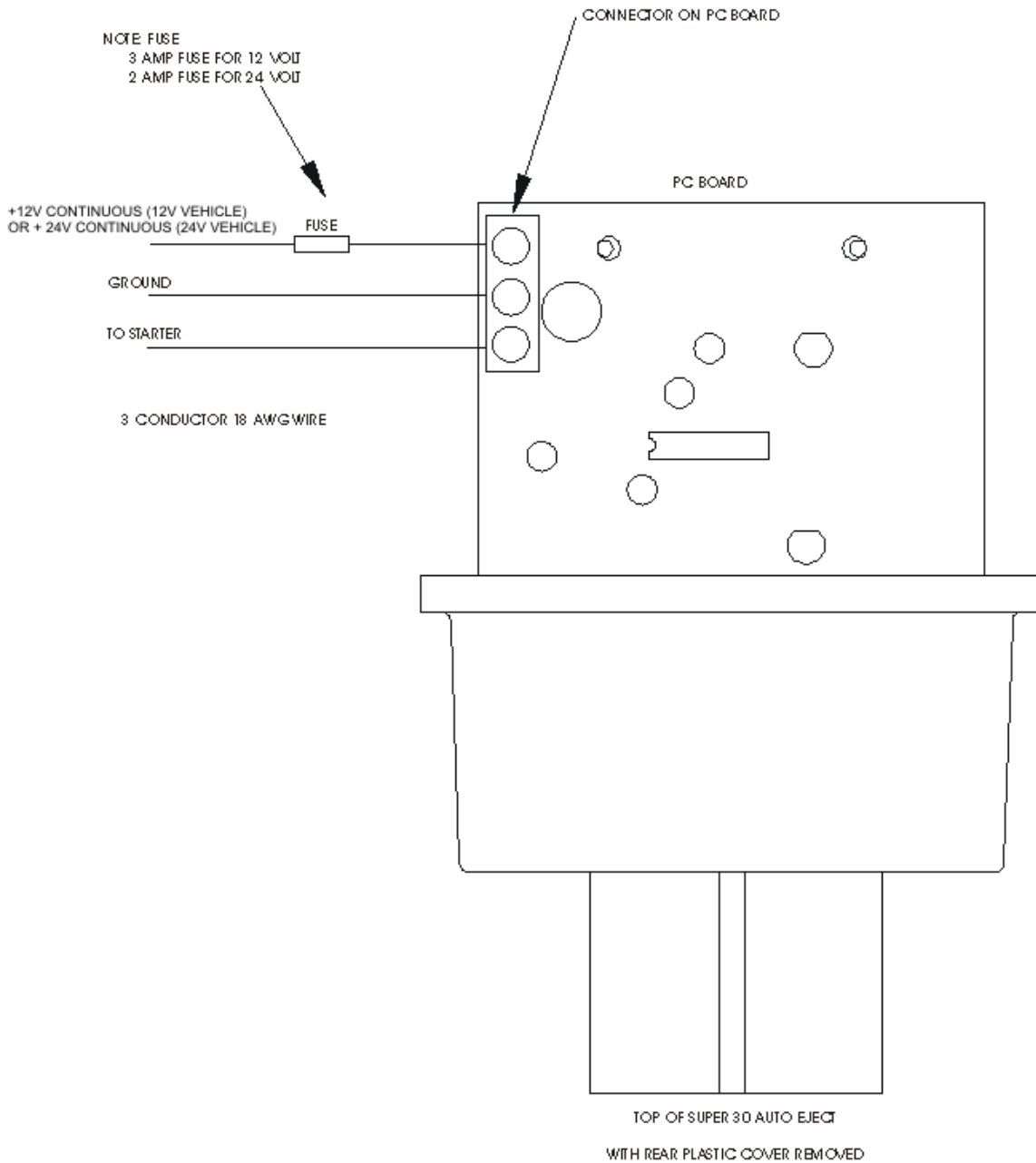
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**DO NOT CONNECT ANY WIRES TO IGNITION SYSTEM.**  
**PERMANENT WIRE MUST BE FROM A RELIABLE SUPPLY AND NOT SWITCHED.**



KUGSMAL ELECTRONICS CO., INC. 1000 W. 10TH AVENUE DENVER, CO 80202 (303) 733-0001 WWW.KUGSMAL.COM		<b>KUGSMAL ELECTRONICS CO., INC.</b> 1000 W. 10TH AVENUE	
NAME: T. Nugent TITLE:		FIGURE 3 DC WIRING	
PART:		DATE:	REV:
SUPPLIER:		091-159	01

Figure 3: DC wiring



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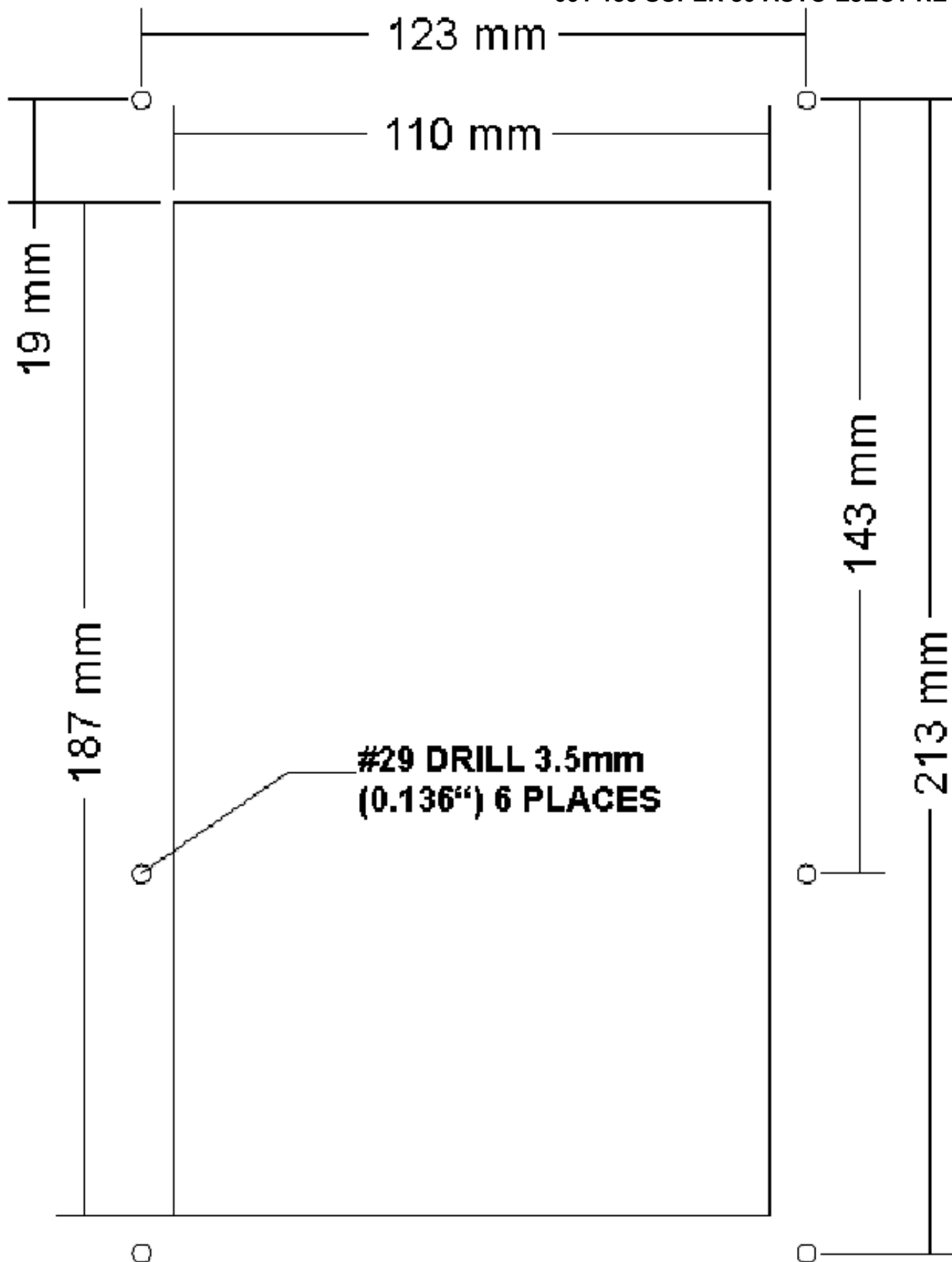


Figure 4: Hole template



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# AUTO SAFE

THE ESTABLISHED HEALTH & SAFETY STANDARD FOR SHORE LINES TO STANDBY AND EMERGENCY VEHICLES



**SAFE UNATTENDED MAINS CHARGING LINES**  
 - CANNOT RE-LATCH UNLESS CONNECTED TO VEHICLE

**VERY EASY TO INSTALL**

**OPERATES OVER WIDE AMPERAGE SCALE**

**FULLY AUTOMATIC POWER DROP-OUT ,DOUBLE POLE**

**INTEGRAL DOUBLE POLE RCD & CIRCUIT BREAKER**

**RUGGED IP67 CASING**

**DUAL VOLTAGE 110V - 230V**

**32 AMP VERSION FOR "NEW DIMENSION" TRAILERS.**

## OPTIONAL ACCESSORIES

### OUTLET SOCKET

The shoreline to the vehicle is usually wired into the Auto Safe. In applications where the shoreline needs to be detached from the Auto Safe (i.e. marine applications), this outlet socket can be added to the unit.



### ELECTRICITY METER

An electricity meter can be built into the Auto Safe, to measure the units used by each vehicle. This meter is also available as a standalone unit



## TEST TOOLS

### LATCH TESTER

This product gives quick and positive testing of the Auto-Safe's latching function by skilled or unskilled personnel.



### SOCKET AND WIRING TESTER

Checks for correct wiring of mains shore lines. Easy to use & speeds up installation. Also verifies continuity through Auto-Safe safety switch unit. Available in 110V & 230V



**CE** MODEL 091-129B3 **DUAL VOLTAGE**

The Model 091-129B3 No-Load Dropout Switch is a safety device designed to protect against electric shock from 110 volt and 230-volt mains shore lines when not in use.

Intended for use with the Auto-Eject and Eurochargers, the Auto-Safe makes the mains line go dead immediately upon ejection/disconnection from the vehicle.

The Auto-Safe cannot be re-set until the mains line is re-connected to the vehicle.

It has been developed particularly for standby vehicle and marine situations where mains shore lines may be left unattended.

091-129B3 with integral RCD & Circuit Breaker removes the necessity to install these extra items separately.

<b>MODEL #</b>	091-129B3-XX	
<b>VOLTAGE IN</b>	115V	230V
<b>CURRENT IN</b>	16A/32A	
<b>VOLTAGE OUT</b>	AS INPUT	
<b>CURRENT OUT</b>	AS INPUT	
<b>WEIGHT</b>	1.72KG	



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