



Breckland Trading Company Ltd
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NEW RANGER PA10[©]

Instructions for use

INTRODUCTION

The New **RANGER PA10** has been designed to provide a DIRECT Power Supply to the 12V services in a caravan or boat when fed from a 220/240v mains supply. It's a toroidal transformer made to BS3535, has an output of about 120 watts max. The RANGER'S 12v output is sufficiently smoothed to enable it to operate the fluorescent lights, water pump and other 12v services efficiently. If a battery is installed the **RANGER PA10** will charge the battery at a variable rate depending on the power demand being required of the 12v system. It will not overcharge a battery in good condition. The **RANGER PA10** will automatically reduce to a trickle charge, as the battery charges up.

Installation

The **RANGER PA10** can be bolted down onto the floor or onto a bulkhead in the usual way. It requires some space leaving around the installation so that any heat is dissipated from the RANGER. It stands to reason that the RANGER **should not be in any circumstances covered with clothing, sleeping bags and similar items**. The 240v mains lead should be connected to a protected main supply i.e. a consumer unit fitted with an RCD Mains Protection Device. The 12v DC output should be connected as follows, Red/Brown to 12v positive, and Black/Blue to 12v negative. Connecting up to the correct polarity is vitally important.

Safety

The **RANGER PA10** is fitted with a 10amp fuse in the 12v output. The correct fuse in the 12v output must be maintained at all times. **Failure to use the correct fuse will invalidate the warranty on this product**. If unable to obtain the correct fuse contact Breckland Trading Company Ltd at the address below.

Warranty

The **RANGER PA10** is covered by a 12 month warranty against faulty manufacture. In the event of any claim the unit must be returned in the following condition. The mains and output leads must be essentially the same length as originally supplied. There must be proof that the correct fuse has been used at all times. Proof of date and place of purchase must accompany any claim.

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