

200 AMP DC CURRENT TRANSFORMER

Part Number: 3412

INSTALLATION AND OPERATING INSTRUCTIONS



INTRODUCTION

The 3412 200 Amp DC Current Transformer is designed to measure DC currents of -200A to +200A and provide a voltage output that can be measured on a suitably equipped Oceanic Systems measuring device such as the 3410.

SAFETY INSTRUCTIONS

This unit should only be installed by a person competent and experienced in working on electrical systems on boats. Before beginning work the battery should be disconnected to avoid the risk of a short circuit, a fire or an explosion. Before drilling any holes to mount the unit or run the cabling always make sure it is safe to do so.

LOCATION AND INSTALLATION

The power cable to be measured must be fed through the ring of the 3412 and the power cable should be cable tied to the projection below the ring. Note that the power cable should be run so that when it is discharging from the battery the current goes in the direction of the discharge arrow. If this is incorrect the unit will display charging when discharging and vice versa. The attached signal cable should be run to the 3410 making sure that it is supported and protected between the two devices. Please note that the signal cable should be shortened to provide a point to point connection. The signal cable must NOT be lengthened as that will introduce interference into the unit.

SIGNAL CABLE WIRING

The signal cable wires are as follows:

Wire Colour	Description
Red	+5v power to unit
White	Voltage output from unit
Black	Ground to unit
Green	Identifier from unit

CALIBRATION & SETUP

The module requires no calibration.

TROUBLE SHOOTING

No Voltage output	Check wiring is correct
Output not accurate	Ensure current transformer is away from strong magnetic fields

TECHNICAL SUPPORT

If you require technical support for any Oceanic Systems products you can reach us using any of the following ways:

- Tel (UK): +44(0)1425 610022
- Tel (USA): (844) 898 6462
- Fax: +44(0)1425 614794
- Email: support@osukl.com
- Web: www.osukl.com
- Post: Oceanic Systems (UK) Ltd
Unit 10-11 Milton Business Centre
Wick Drive, New Milton, Hampshire BH25 6RH

WARRANTY

Oceanic Systems warrants this product to be free from defects in materials and workmanship for one year from the date of original purchase. If within the applicable period any such products shall be proved to Oceanic Systems satisfaction to fail to meet the above limited warranty, such products shall be repaired or replaced at Oceanic Systems option. Purchaser's exclusive remedy and Oceanic Systems sole obligation hereunder, provided product is returned pursuant to the return requirements below, shall be limited to the repair or replacement, at Oceanic Systems option, of any product not meeting the above limited warranty and which is returned to Oceanic Systems; or if Oceanic Systems is unable to deliver a replacement that is free from defects in materials or workmanship, Purchaser's payment for such product will be refunded. Oceanic Systems assumes no liability whatsoever for expenses of removing any defective product or part, or for installing the repaired product or part or a replacement therefore or for any loss or damage to equipment in connection with which Oceanic Systems products or parts shall be used. The foregoing warranties shall not apply with respect to products subjected to negligence, misuse, misapplication, accident, damages by circumstances beyond Oceanic Systems control, to improper installation, operation, maintenance, or storage, or to other than normal use or service. THE FOREGOING WARRANTIES ARE EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

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WARRANTY RETURN PROCEDURE

To apply for warranty claims, contact Oceanic Systems or one of its dealers to describe the problem and determine the appropriate course of action. If a return is necessary, place the product in its original packaging together with proof of purchase and send to an Authorized Oceanic Systems Service Location. You are responsible for all shipping and insurance charges. Oceanic Systems will return the replaced or repaired product with all shipping and handling prepaid except for requests requiring expedited shipping (i.e. overnight shipments). Failure to follow this warranty return procedure could result in the product's warranty becoming null and void.

Oceanic Systems (UK) Ltd reserves the right to modify or replace, at its sole discretion, without prior notification, the warranty listed above.