



Electronics for Mobile & Marine

DCI 03

**Switch Mode Converter
Galvanic Isolated**



English manual

NOTE: Read the manual and its safety information carefully before installing and use.

FEATURES

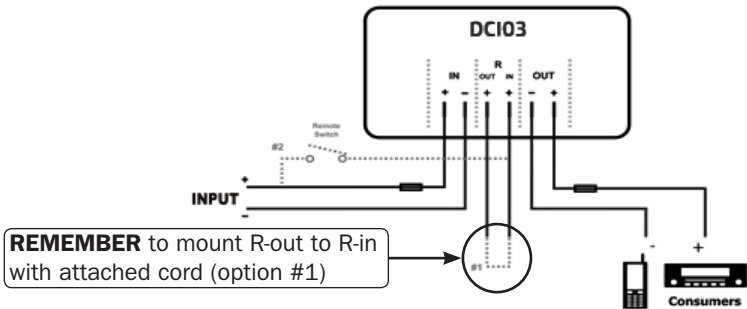
- Galvanically isolated input and output
- Very low power consumption
- Simple installation

PURPOSE

The DCI03, is a galvanically isolated converter with a universal input voltage.

INSTALLATION

Follow the following steps and the connection diagram when connecting the DCI03.



1. Connect the consumers power supply to the OUT+ and OUT- of the DCI03.
- 2 (option #1). Connect Rout with Rin.
- 3 (option #2). Connect Rin with Input+ using a switch.
4. Connect the positive (+) terminal of the power supply/battery to the IN+ of the DCI03.
5. Connect the negative (-) terminal of the power supply/battery to the IN- of the DCI03.

Warnings:

The product must only be connected by skilled fitters/mechanics who are aware of the regulations for working with high battery voltages.
Using inferior connection material and/or wiring that is too thin may damage the product.
A short circuit between the positive and negative terminals of the battery may severely damage your system.
Do not open the product if it is connected to a power source.
Always use fuses of the correct value.

OPERATION

There are two ways to switch on the SMG.
Option 1. Connect Rin to Rout.
Option 2. Connect Rin to Uin+ using a switch.

TECHNICAL DETAILS

Input

Supply voltage	7.5 V – 32.0 V DC
Remote input voltage	5.0 V – 32.0 V DC
Remote input current (max.)	±0.3 mA

General

Connections	6x 6.3 mm Faston
Cable advice	2.5 mm ²
h x w x d	50 x 87x 86 mm
Weight	242 g
Operational temperature	-10 °C ... +40 °C
Standby current	±13 mA

Output

12,5 V DC

Current Out

2.0 A