**What’s in the Box?**

1. DCU 408E in an ESD Bag
2. Bag with fastening material
3. Quick Installation Guide

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**Caution!**

Handle with care when opening the bag and installing the unit.

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**User Interface Basics**

The screen pages and panel buttons shown below are presented as they will appear on an attached RP 410E Remote panel.

**Instrument Pages Layout**

Configurable Gauges. Status Bar on top of the screen and Soft-button bar at the bottom.

**Start Engine**

Press Start Button. If configured as Latched Start confirm by selecting the 'Start' soft button.

**Stop Engine**

Press Stop Button. If configured as Latched Stop confirm by selecting the 'Stop' soft button.

**Alarm List**

Red: Alarms/Load-Reductions/Shutdowns
Yellow: Warnings
White: J1939 DM1 Diagnostics
Bold: Unconfirmed

**Menu**

The Menu hierarchy.

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**Quick Installation Guide**

DCU 408E  
P/N 1006510

DCU 408E Engine Controller

- 8 configurable switch inputs
- 4 configurable 4-20 mA inputs
- 4 configurable PT100 inputs
- Fixed functional inputs
- Fixed- and configurable outputs
- 1 magnetic pickup channel
- Dual J1939 interfaces
- Ethernet and Modbus communication

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**For More Information:**

For the latest updated information, please contact your local distributor or visit the Marine Pro 400 section of the Auto-Maskin web site: [http://www.auto-maskin.com](http://www.auto-maskin.com)
### Power Ratings

<table>
<thead>
<tr>
<th>Section</th>
<th>Min</th>
<th>Typ.</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>18</td>
<td>24</td>
<td>32</td>
<td>VDC</td>
</tr>
<tr>
<td>Supply, Vcc</td>
<td>-</td>
<td>0.5</td>
<td>2</td>
<td>A</td>
</tr>
</tbody>
</table>

Max ripple 10% without exceeding Min and Max values.

### Rear side and Connectors

- SDU & RIO Link: Modbus RTU, CAN1&2
- MPU
- PT100 1-4
- 4-20mA 1-4
- OV
- Switch Inputs / Opto.
- 24V 50mA
- Fixed Functional Inputs / Opto.
- PWM Out, 0-5V, On/Off, 1A Aux, Power
- OV 100PE

### Installation Steps

1. Remove the unit from the ESD Bag. Use the submitted Cabinet Frame and mount it in a suitable enclosure.
2. Attach the Power Supply (Terminals 1-4) and make sure the power ratings are within product specifications.
4. Connect additional external connectors. This may include the following:
   - CAN bus (J1939)
   - All Faults
   - Switch Inputs
   - Configurable Outputs
   - Magnetic Pickup Input
   - PT 100 Sensors
   - 4-20 mA Sensors
   - Ethernet Interface
   - SDU & RIO Link
   - MK-14 Expansion.

For further details and information, please see the Installation Manual.

### Configuration Steps

The DCU has a built-in web server with access to a full configuration of the unit.

**PC Connection/Setup:**
- Connect via Ethernet using a Net Browser
- From the Address Field in the Browser, type the IP-Address. Factory Default is 192.168.0.101.
- Then log in to the unit. Factory Default Username is 'DCU' and Factory Default password is '1234'.

For further details and information, please see the Configuration Manual.

### Responsibilities:

It is the sole responsibility of the installer to ensure that the installation work is carried out in a satisfactorily manner and meet all applicable rules and regulations.

### Note:

Auto-Maskin continuously upgrades its products and reserves the right to make changes and improvements without prior notice.

### Additional Documentation:

Please visit the Marine Pro 400 section of the Auto-Maskin web site for the following enhanced documentation:
- Installation Manual
- Configuration Manual

http://www.auto-maskin.com