User Interface Basics
The screen pages and panel buttons shown below are presented as they will appear on an attached RP 210/220E Remote panel.

Instrument Pages
Configurable Gauges and Bar-graphs.

Select Page
Thumbnails for quick selection.

Home & Alarm
buttons located at the upper right side of the panel.

Start & Stop Engine
buttons located at the lower right side of the panel.

Alarm List
Red: Alarms/Shutdowns
Yellow: Warnings
White: Other messages
Bold: Unconfirmed

Menu
This page displays the Menu hierarchy.

For More Information:
For the latest updated information, please contact your local distributor or visit the Marine Pro 200 section of the Auto-Maski
web site: http://www.auto-maskin.com

Quick Installation Guide
DCU 208E
P/N 1006477

Engine Monitor and Control Unit

- 19 flexible configurable channels for either digital input, digital output, 4-20 mA or 0-5V input.
- Dual J1939 interfaces
- 1 magnetic pickup channel
- Ethernet and Modbus communication
- DIN rail mounting clips
Specifications

Measurements

<table>
<thead>
<tr>
<th>Section</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>163</td>
<td>131</td>
<td>75</td>
<td>mm</td>
</tr>
</tbody>
</table>

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, Vcc</td>
<td>8</td>
<td>12/24</td>
<td>32</td>
<td>VDC</td>
</tr>
</tbody>
</table>

Max ripple 10% without exceeding Min and Max values.

Connectors

USB

RJ45, Ethernet

C1: Power, CAN, RIO, IO1-4
C2: Relay1, Relay2, AllFaults, IO5,20,21
C3: IO6-17, MPU
C4: RS-485, Therm1&2, IO18,19

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

Installation Steps

1. Remove the unit from the ESD Bag.
2. The unit comes with DIN-Rail mounting clips for easy snap clips on the rear side of the unit.
3. Attach the Power Supply connector (CON1) and make sure the power ratings are within product specifications.
4. Connect additional external connectors (CON2-4) according to specification related to the applicable application. This may include the following:
   * CAN bus (J1939)
   * All Faults
   * Switch Inputs
   * Magnetic Pickup
   * PT 100 Sensors
   * 4-20 mA Sensors
   * RIO Link
5. For improved sealing use a RJ45 connector cap.

A Connector Kit (P/N: 1006479) with four Deutsch DT-connectors, crimp sockets and sealing plugs is available. See the Installation Manual for further information.

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

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.

Additional Documentation:
Please visit the Marine Pro 200 section of the Auto-Maskin web site for the following enhanced documentation:
- Installation Manual
- Configuration Manual

http://www.auto-maskin.com