

User Interface Basics

What's in the Box?

1. DCU 410E in an ESD Bag
2. Cabinet Frame
3. Bag with fastening material
4. Quick Installation Guide

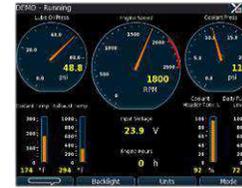


Caution!

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

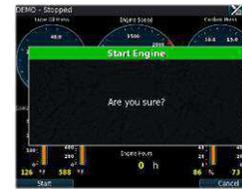
Instrument Pages Layout

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.



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>



Marine Pro. 400

Quick Installation Guide

DCU 410E

P/N 1006445

Engine Monitor and Control Panel



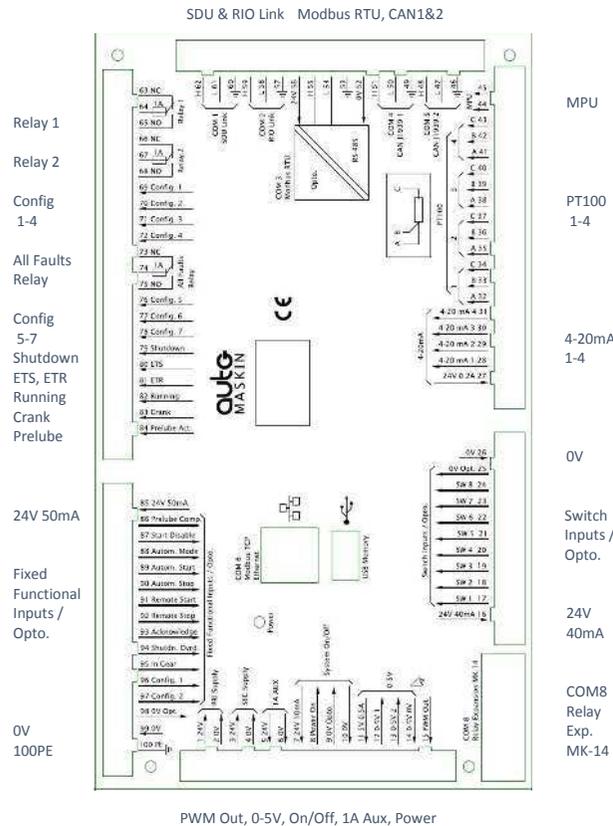
- 8 configurable switch inputs.
- 4 configurable 4-20 mA inputs.
- 4 configurable PT100 inputs
- Fixed- and configurable outputs.
- 1 magnetic pickup channel
- Dual J1939 interfaces
- Ethernet and Modbus communication
- Hi res 5.7" color screen
- IP56 rated front and cabinet frame

Power Ratings

Section	Min	Typ.	Max	Unit
Power Supply, Vcc	18	24	32	VDC
	-	0.5	2	A

Max ripple 10% without exceeding Min and Max values.

Rear side and Connectors



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.

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.
3. Strap System-On with short wires between terminal 7&8 and 9&10.
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**.

Note:

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

Configuration Steps

At the first Power-Up the user will be guided through a Setup Wizard:

1. Language selection and your choice is valid through the rest of the procedure.
2. Network settings. Make sure to follow common network configuration practice and take care when several units need to operate within the same network.

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**'.

Version Information and the IP Address can be shown on the screen by selecting: **Menu>Help>Version Information**.

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

Additional Documentation:

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

- Installation Manual
- Configuration Manual
- User's Manual.

<http://www.auto-maskin.com>