auto MASKIN

DCU 410

Engine Monitoring and Control

The base unit for the Marine Pro system. Stand alone it is a complete engine monitoring and supervision module with color display and controls. Able to read an engine ECM, measure inputs from analogue sensors and monitor activity, it also acts as the communication hub for other modules of the Marine Pro system. Classification Society approved.

DCU 408

Engine Control

Used when no local control or monitoring of an engine is required, but the information from the engine sub systems needs to be taken and displayed remotely to the engine. A DCU 410 without a user interface. Can be mounted internally in an enclosure. Performs same communication function as the DCU 410, allowing all modules of the Marine Pro system to be connected.

RP 410

Remote Panel

An 8.4" transflective colour touchscreen remote panel, ideal for daylight viewing, but also with auto dimming and a night mode. Used for remote indication of up to 8 DCU 410 and 408. There are no limits as to how many of these panels can be used at any one time. Can be configured with up to 20 different screen configurations as standard, in metric and US units, and 10 languages. Automatically installed by the DCU 410 and 408.

SDU 410

Safety Unit

Provides the Classification Society requirements for shutdown, alarm, wire break, and short circuit fault conditions up to and including full Unmanned Machinery space (UMS). Used with the DCU 410 and 408 modules where it will be automatically installed, or as a stand alone unit. Local fault indicator lamps assist in troubleshooting. 35mm DIN Rail mounting.

RIO 410

Expansion I/O

Expansion board to increase the capability of the DCU 410 and 408. Contains 24 configurable analogue or digital input / outputs. Each DCU 410 and 408 is capable of supporting up to four RIO 410 expansion modules. 35mm DIN rail mounted. Classification Society approved and automatically installed by the DCU 410 and 408.

RIO 425

AC Generator Interface

Specialist expansion module specifically designed to integrate the outputs from an AC alternator into the DCU 410 and 408, which is pre configured to automatically register this unit when networked. Classification Society approved, the unit reads current & voltage, both line and phase, frequency, and winding temperatures. Automatically installed by the DCU 410 and 408.

Accessories

A wide range of accessories are available ranging from Ethernet switches to IP cameras which can be used with the RP 410 to show up to 4 remote images at any one time. The list of accessories continues to grow, as part of our commitment to meeting specific customer needs and requests.

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Actual product delivered may differ slightly in appearance to these images

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marine pro

DIESEL ENGINE SUPERVISION

FLEXIBLE
MODULAR
SELF CONFIGURING
EXPANDABLE

Why Choose marine pro

THE MARINE PRO RANGE OF DIESEL AND VESSEL SUPERVISION EQUIPMENT IS DESIGNED TO PROTECT YOUR INVESTMENTS NOT JUST NOW BUT INTO THE FUTURE. INNOVATIVE DESIGN AND FUNCTION, WITH THE ABILITY TO COMMUNICATE WITH MULTIPLE DATA NETWORKS, ALREADY PREPARED TO ACCOMMODATE FUTURE NEEDS SUCH AS EXHAUST AFTERTREATMENT SUPERVISION AND CONTROL. EQUALLY ADEPT AT SIMPLE STAND ALONE SOLUTIONS, OR AS A COMPLEX NETWORKED SYSTEM ON THE VESSEL OR STRETCHING ASHORE, THE MARINE PRO RANGE OF MODULES MEANS NEXT GENERATION ADVANTAGES HERE NOW. SELF CONFIGURING, PASSWORD PROTECTED, MULTIPLE LANGUAGES, AND SIMPLE USER INTERFACES MEANS THAT CREWS NEED NO SPECIAL EXPERTISE, NO SPECIAL TRAINING, AND MARINE PRO PROVIDES THE MAXIMUM LEVEL OF PROTECTION, ACCOUNTABILITY AND INFORMATION DEMANDED BY TODAY'S OWNERS WORLDWIDE.

Self configuring

Marine Pro is uncomplicated and designed for use by non experts, both during commissioning and whilst operating. A simple "start wizard" allows the base DCU 410 unit to configure itself to the local requirement or any dedicated configuration that an Owner can develop with the Auto Maskin engineering team prior to or during installation. Any other module then communicating with the base unit then automatically configures itself to that requirement. No user interaction required. No special tools. No unique software. If required, using password protected areas, a user can re configure some elements of the units using simple drop down boxes in your standard web browser. Each module has its own web server built in and can be used independently.

Modular

By using a common communication protocol, linked by simple two-wire connections or a standard Ethernet cable / port, the elements of the Marine Pro system simply plug together. The simple building block approach allows selection of functionality to suit the requirements at minimal cost, but maximum effectiveness. Modules vary from the basic core module of the Diesel Control Unit (DCU) to interfaces to AC generators, dedicated shutdown protection units, remote panels, other ships systems, and remote telemetry. Each module is configured automatically or, if required, individually using just a laptop and a web browser.

Flexible

Marine Pro is not just an engine supervision system. It has a flexibility and functionality vessel wide that is simple yet effective. The same building blocks of the system can be applied in multiple applications, meaning a common approach to vessel alarm integration, vessel operation, crew training and familiarization, service training and information reporting. Whether the vessel requires multiple panels in multiple locations, simple local readouts in a local language, or the same system to oversee all engines, plus hotel services and ships systems such as bilge alarms, tank levels etc, the Marine Pro is configured simply and easily without special tools or software.

Expandable

The Marine Pro system is capable of growing to meet a range of needs. By using the modules available, the total system can be tailored to suit. Expandable and selectable, the specifier can use the same set of components to meet many requirements. Expandability does not just mean hardware. The ability to remote monitor the equipment connected to the Marine Pro system now just depends upon the vessels ability to communicate to the internet. From a simple e mail should a certain alarm / function occur, to the ability to record a full set of data over extended periods is not only possible but in action today.