

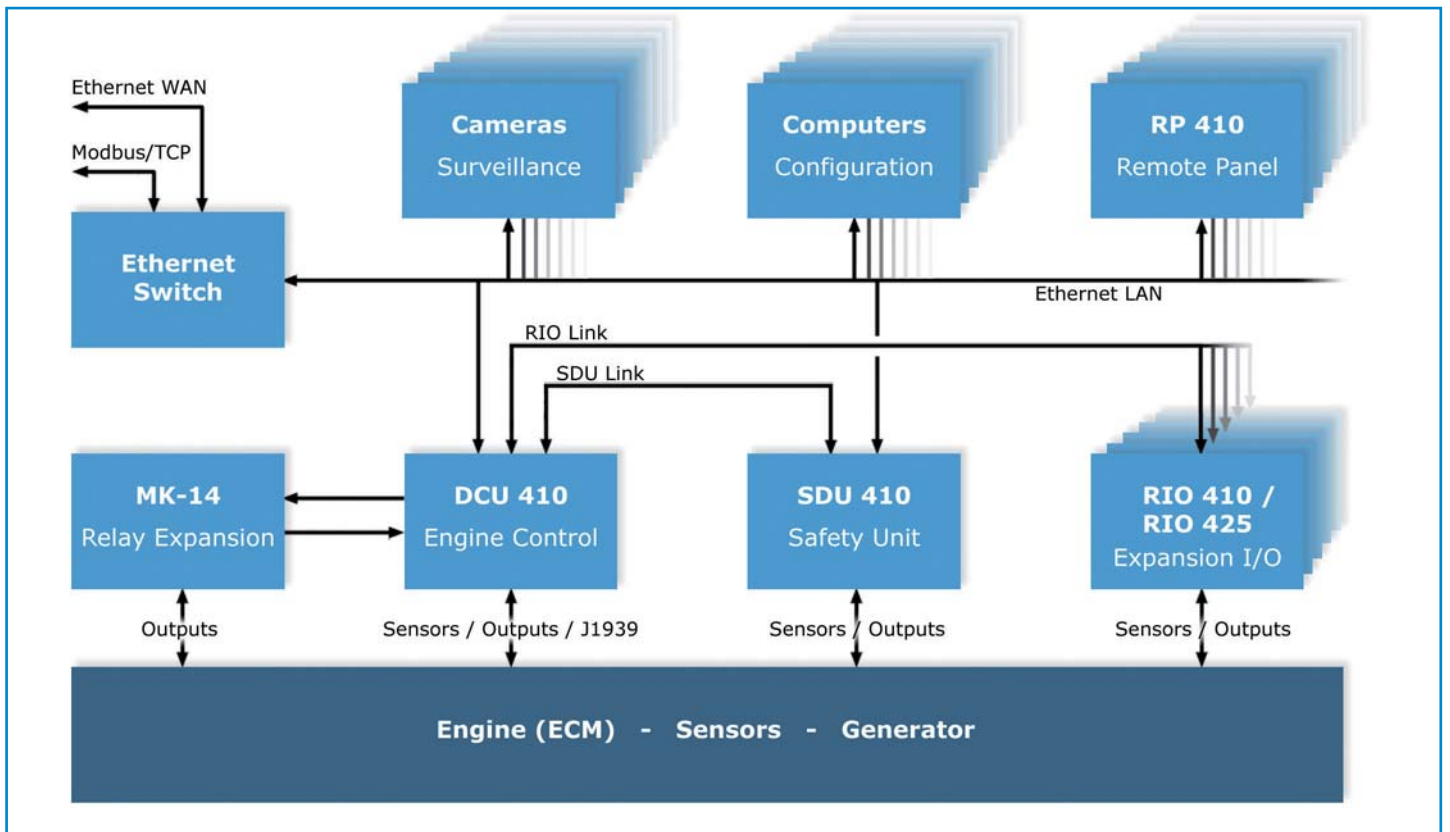


What is the Diesel Control Unit (DCU) 410?

The DCU 410 is the base building block to build a supervision system for both variable speed (propulsion or pumps) or fixed speed (generating set) diesel engines. It is a compact unit comprising of a front face, utilizing a 5.7" colour screen with ¼ VGA resolution, and "soft touch" buttons, which can be mounted to almost any flat surface with a cut-out. The DCU 410 can accept inputs from J1939 data links, CAN open interfaces, Modbus RS485 and up to 16 analogue or digital inputs in its own right. It provides outputs in all these digital formats and via a standard Ethernet. The DCU 410 also provides engine control logic and the outputs required, including but not limited to, Pre Lubrication control, start & stop signals, both ETR and ETS, plus remote interfaces for these functions. Connections are made via clearly labelled connectors on the rear of the panel which need no specialist tools. With redundant power supplies, wire break and short circuit fault detection, the unit meets Class Monitoring requirements.

Why more customers select the DCU 410

Customers of the DCU 410 find that the simple, self configuring connectivity and functionality are prime reasons to select this model across many applications and uses on board ship that require compliance to global standards. With 10 languages including Chinese and Russian built in, the information the product displays is easy to understand, leading to better operational decisions. The ability of the unit to connect to other ships systems without sophisticated software or specialist tools makes it installable and useable by non experts. Customizable by any laptop with a web browser and a standard Ethernet cable, the password protected areas allow more flexible configuring or customization when required. With a literally a "plug & play" capability, The DCU 410 configures all other elements of the Marine Pro system automatically.



Features and Benefits

Same hardware for many applications

Holds internally up to 40 customer selectable configuration files via a "start wizard"

- Connectable to multiple engine types and or ships systems
- Suitable for fixed and variable speed applications
- Multiple standard I/O's available

No specialist skills for startup or installation

Pre printed connection information on units

- Simple connectivity – no special tools, only a web browser needed
- Pre loaded configurations to meet Class rules
- 10 languages loaded, changeable by crew as required

Ability to communicate with whole ship systems

Ethernet connectivity means plug and play within global standards

- Simple two wire communication via Modbus to Marine Pro I/O expansion modules
- Affordable expandability to create a small ships alarm system

Accountability

5.7" Colour screen means clear, precise indications

- Historical event and alarm list
- Displays engine faults in real text
- Can link to Ship management or remote telemetry systems

Sales and Marketing

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Ordering Info

Item	Part Number
DCU 410:	1006450
DCU 408:	1006455
SDU 410:	1006451
RIO 410:	1006453
RIO 425:	1006457
RP 410:	1006452
MK-14:	1121252