Engine control

Our DeepSea E Series controllers are designed to provide control, monitoring and protection of your internal combustion engines for your motor pump, compressor, hydraulic power pack and off highway applications. The E series can be used with electronic and mechanical diesel engines and offers exceptional flexibility via its integrated PLC editor. This flexibility allows users to match the required operating modes to their applications.

E100

- · LCD display
- · 4 logic inputs, 3 analog/logical inputs, 4 DC outputs (2A)
- · 1 Fuel output and 1 start output (pick 10A, 5A continuous),
- · 50 alarm events
- · Configurable via PC or front panel

E400

- · LCD display with configurable page
- · 4 logic inputs, 7 configurable analog inputs,
- · 2 DC outputs (2A), 2 PWMi outputs
- · 1 Fuel output and 1 start output (pick 10A, 5A continuous),
- · 1 CAN Tier4 engine,
- · IP67 protection, Deutsch connection technology

E800

- · LCD display with configurable page
- · 11 logic inputs, 12 configurable analog inputs,
- · 4 DC outputs (2A), 4 PWMi outputs
- · 1 CAN Tier4 engine
- · RS232 and RS485 port (Modbus RTU), Modem
- · Compatible with I/O extensions, DeepSea alarm panels

103MKII

The 103MKII tachometer board was developed to monitor the speed of an engine using a magnetic sensor or an alternator output (generator application). The 103MKII can be set to activate independent relays at different motor speeds.

- · Configurable speed thresholds,
- · Configurable nominal speed,
- · Analog speedometer output.
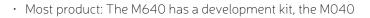
Off Highway vehicle controller

The Deep Sea M Series is a dynamic range of programmable control systems and displays for vehicles and off-highway machines. Our engineering team has created a range of products that deliver outstanding performance in multiple applications in harsh environments.

M640

Programmable controller with 68 I/Os

- Powerful 32-bit processor with 220MHz clock speed
- 4 MB memory
- 32 configurable logic / analog inputs
- 36 configurable analog / PWM / PWMi outputs
- 4 independent CAN interfaces, supporting J1939, CAN open and raw CAN
- Ethernet interface for communication
- Programmable via CODESYS 3.5 or C
- Robust aluminium body for IP67 protection, Deutsch connection technology

- Most product: The M640 has a development kit, the M040

M840

4" programmable display

- 4.3" colour display with optically bonded technology
- ARM cortex M4 + M0 dual core 200 MHz processor
- 32 MB SDRAM and 16 MB flash memory
- 4 configurable logic / analog inputs
- 4 configurable analog outputs
- 2 independent CAN interfaces, supporting J1939, CAN open and raw CAN
- 1 analog camera interface
- Programmable via CODESYS 3.5 or C
- IP67 protection, Deutsch connection technology
- Rear or front mounting

M870

7" programmable display

- 7" colour display with optically bonded technology
- Powerful ARM cortex A9 processor at 800 MHz
- 512 MB SDRAM and 2GB NAND mass storage
- 4 configurable logic / analog inputs,
- 4 configurable analog outputs
- 2 independent CAN interfaces, supporting J1939, CAN open and raw CAN
- 2 analog camera interfaces
- Programmable via CODESYS 3.5 or C
- IP67 protection, Deutsch connection technology
- Rear or front mounting

Benefits

- Our vehicle controllers are all easily programmable with Codesys 3.5
- Our high-resolution graphics provide a clear and stylish interface.

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