

The C4 Series Engine Control Module is a microprocessor-based controller providing engine monitoring and control for tier 4, SAE J1939 diesel and natural gas engines. The module is available individually or with a complete panel.

EASY-TO-READ DISPLAY (Standard or Metric Selectable)

- Engine Temperature
- Engine RPM
- Oil Pressure
- Battery Voltage
- Fuel Usage (GPH) or Fuel %
- Engine Hours

EMISSIONS INFORMATION

Emissions information for tier 4 engines is provided via simple display messages with the associated indication lamps.



FAULT CODE READER

Fault codes are provided along with easy-to-read display messages, the occurrence count and associated indication lamps for pre alarm and alarm conditions.



THROTTLE CONTROL

Throttle is provided via the up and down buttons with several selectable modes.

FLEX INPUTS/OUTPUTS

Configurable "Flex" inputs and outputs can be assigned for different functions such as low coolant level or alarm relay output.

ENCLOSURE

The enclosure is water tight, constructed of a durable polycarbonate. Large tactile dome buttons insure positive feedback for operators with gloves. A water-tight 14-pin connector is utilized for simple plug-in installation.

APPLICATIONS INCLUDE

- Off Highway Equipment** - Agriculture, Forestry, Construction, Material Handling
- Industrial Stationary** - Pumps, Air Compressors, Power Units, Chipper/Shredders, Light Towers, Irrigation
- Marine** - Work and Recreational Boats

KEEP IT SIMPLE

A complete engine control solution is available that combines the C4 module or panel with the harnessing necessary for your application.

SPECIFICATIONS

GENERAL

OPERATING VOLTAGE.....	5.5 VDC to 36 VDC
MAXIMUM CURRENT CONSUMPTION AT 12.6V.....	150mA
OPERATING TEMPERATURE.....	-20°C to +70°C
STORAGE TEMPERATURE.....	-30°C to +80°C
HUMIDITY.....	95% Non-condensing
REVERSE POLARITY PROTECTION.....	Yes
TRANSIENT VOLTAGE SUPPRESSION.....	Yes
LOAD DUMP PROTECTION.....	Yes
DISPLAY.....	LCD, 1"H X 4"W, (2 lines x 16 characters/line)
ENCLOSURE.....	Polycarbonate
OVERLAY/INTERFACE.....	Autotex Polyester
APPROX. WEIGHT.....	1.5 lbs
APPROX. DIMENSIONS.....	5.69"H x 6.57"W x 1.61"D

COMMUNICATIONS

ENGINE COM PORT.....	CAN bus J1939 Protocol
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INPUTS

ANALOG INPUT.....	1
DIGITAL FLEX INPUT.....	1
<i>Configurable as: 1) Normally open or normally closed, 2) Relay closure, pre alarm or alarm, 3) User defined message for display</i>	

FLEX OUTPUTS

5A FORM A DRY CONTACTS.....	2
5A OR 10A FORM A DRY CONTACTS (Specification Dependent).....	2
<i>Each output is configurable as: 1) Normally open or normally closed, 2) Pre alarm, alarm, throttle or tied to flex input</i>	

THROTTLE CONFIGURATION

.....	SELECTABLE
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- 1) Standard 2) Multi-State 3) Analog In 4) Disabled

CONNECTOR

TYCO AMPSEAL 14-PIN.....	ENVIRONMENTALLY SEALED
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OTHER

ENGLISH/METRIC DISPLAY.....	SELECTABLE
DISPLAY BACKLIGHT ADJUSTMENT.....	SELECTABLE
DISPLAY TEMPERATURE CONTRAST ADJUSTMENT.....	AUTOMATIC
<u>Extreme Cold Weather Option</u>	
OPERATING TEMPERATURE.....	-45°C to +85°C
STORAGE TEMPERATURE.....	-55°C to +95°C