

The G4 Series Engine Control Module is a microprocessor-based controller providing generator and engine monitoring for tier 4, SAE J1939 diesel and natural gas engines. It is used in conjunction with the XCAN-AC generator to CAN bus module. The module is available individually or installed into a complete panel.

DISPLAY OPTIONS

1) STANDARD GENERATOR & ENGINE DISPLAY

- AC Volts • Phase • Amps • Hertz
- Oil Pressure • Fuel Rate (GPH)/Fuel % • Engine Temp • Battery Volts

2) FULL-TIME GENERATOR DISPLAY



V1 V2 V3 Hz
A1 A2 A3 kW

Line to Line or
Line to Neutral

3) ENGINE DISPLAY W/ ALTERNATING GENERATOR DISPLAY



EMISSIONS / FAULT CODE READER

Emissions information for tier 4 engines is provided via simple display messages with the associated indication lamps. Fault codes are provided along with easy-to-read display messages, the occurrence count and associated indication lamps for pre alarm and alarm conditions.



ADDITIONAL INFORMATION

The G4 provides additional parameters including Power Factor, KVA, and Total KWH.



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.

KEEP IT SIMPLE

A complete generator control solution combines the G4 display, XCAN-AC (Generator to CAN bus Module) and harnessing necessary for your application.



Standard G4 Display

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

- 1) Standard 2) Multi-State 3) Analog In 4) Disabled (DEFAULT SETTING)

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
<i>Extreme Cold Weather Option</i>	
OPERATING TEMPERATURE.....	-45°C to +85°C
STORAGE TEMPERATURE.....	-55°C to +95°C