

DESCRIPTION

A complete engine and generator panel that combines our C Series engine display module with analog AC meters. The panel housed in a robust NEMA 4X rated enclosure with clear door that can be latched and locked. Key switch and selector switch are included. Auto start is available.

DIGITAL ENGINE DISPLAY

Large backlit display with ½" characters. Six full-time display parameters.



ALARMS & SHUTDOWNS

Engine protection is provided with easy-to-read display messages and indication lamps (red and yellow) for pre alarm and alarm conditions.



AC METERING

AC Volts, AC Amps, Frequency with Phase selector switch

- AC Volts, (0-600VAC)
- AC Amps, (Specify Range)
- AC Frequency, (45-65 Hertz)

SIMPLE OPERATION

The panel is simple to operate via the key switch for manual start and stop and a standard selector switch. The display provide full engine information and easy to understand fault and alarm messages. For auto start applications, a standard normally open, close to ground input is provided.

CONNECTOR

A water tight connector is utilized for simple plug-in installation. The controller plugs directly into the engine harness. Five foot AC sensing wiring are provided that exits through a separate wire gland for simple installation into the generator.

FLEX INPUT

The controller flex input is configurable to be normally open or closed and can be assigned for different functions. Customer specific display messages can be implemented for each input or output.

PART NUMBERS

The panel is available for both mechanical and electronic (SAE J1939) engines. Part number C3M-8500 for mechanical engines and C3-8500 for electronic engines. For auto start, use part numbers C3M-8500-AS and C3-8500-AS. Also, check with us to review available harness options for a complete installation.



SPECIFICATIONS

GENERAL

OPERATING VOLTAGE.....	5.5 VDC to 20VDC
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.....	4.5 lbs
APPROX. DIMENSIONS.....	10.5"H x 8.5"W x 5.5"D

COMMUNICATIONS

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

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>	

THROTTLE CONFIGURATION.....SELECTABLE

1) Torque/Speed Control (TSC) 2) Disabled

CONNECTOR

DEUTSCH HDP21-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

SUMMARY

- Robust design & construction
- Easy-to-read, simple-to-operate
- Flexible input
- Configurable via user friendly menu selections (No computer interface required)