

Name ENFO III

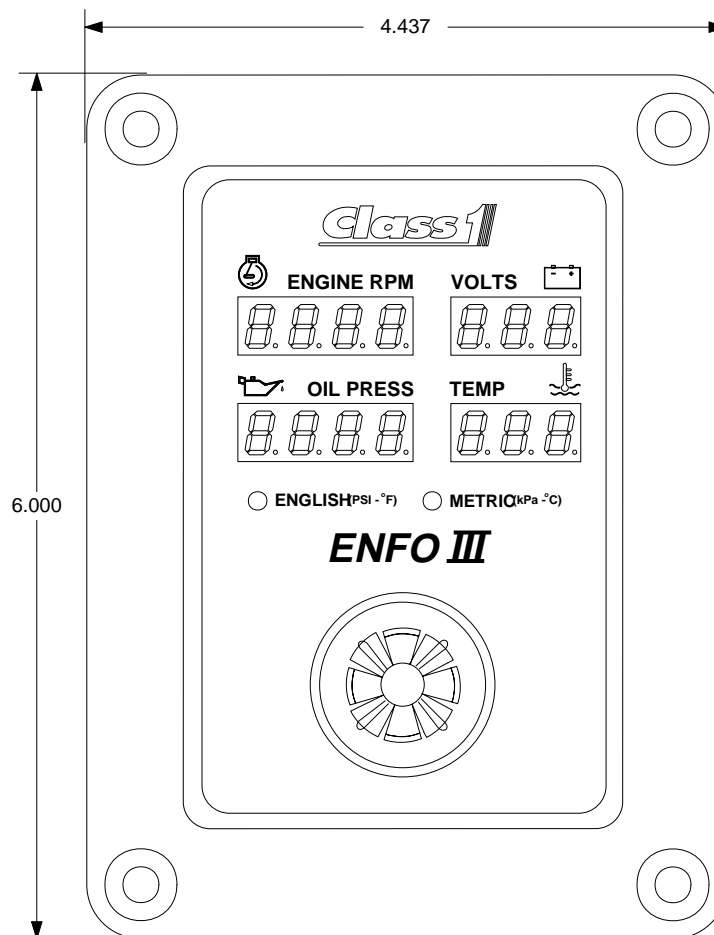
Identifier Installation Information

Engineering Standard Number  
**C1-103817**



**Class 1**'s **ENFO III** provides the pump operator with electrical system and engine operating information in a single unit that includes an alarm.

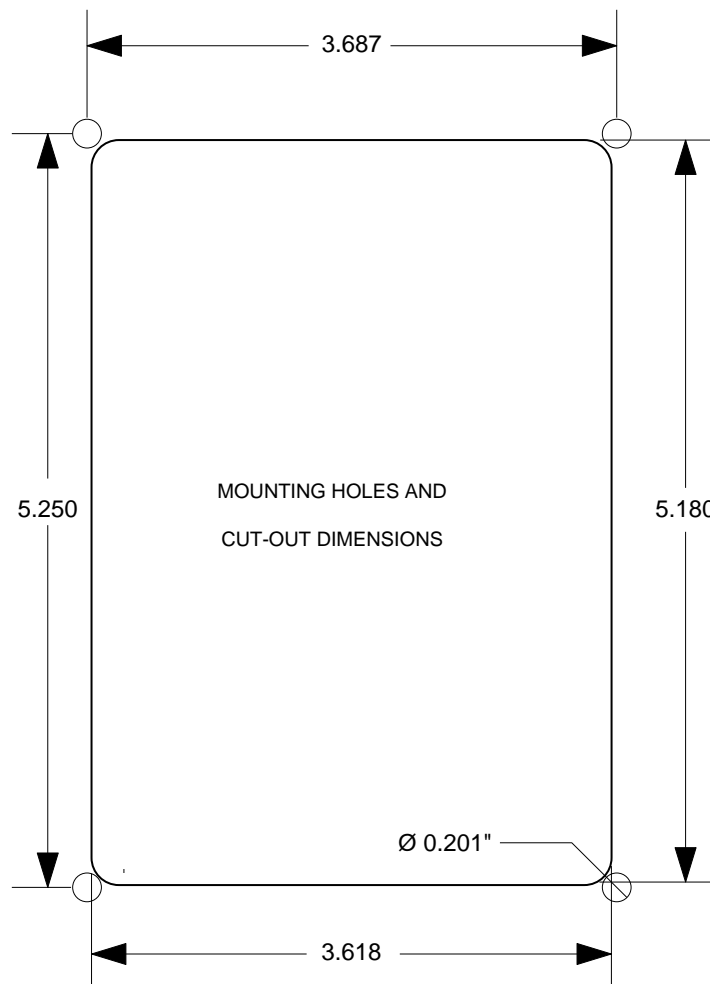
- Engine RPM Display
- System Voltage Display and Alarm
- Engine Oil Pressure Display and Alarm
- Engine Temperature Display and Alarm (Oil or Coolant )
- English Display



The **Class 1 ENFO III** is a convenient self contained Engine information display for the Pump Panel Operator. Visual and Audible Alarms are available for critical information. The ESC utilizes the SAE J-1587 data link for engine information and the power and ground for the unit provide voltage information.

### Installation

The display mounts in a 3.62" by 5.2" cutout.  
Overall area necessary for installation is 4.5" by 6.0".  
Four Ø 0.201d holes are provided for mounting screws.



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ENFOIII harness connection to the apparatus is achieved by the use of a Deutsch four (4) pin socket connector.

**Deutsch DT06-4S 4 socket connector**

<u>Cavity</u>	<u>Description</u>	<u>ESC</u>	
A-1	Ignition Power	12V In	Power for the ENFOIII
A-2	System Ground	Ground in	Ground for the ENFOIII
A-3	Data Link +	J1587 in	Data line positive
A-4	Data Link -	J1587 in	Data Line negative

A-1 circuit

A-2 circuit

These are the power and ground inputs for ENFOIII operation and they also provide system voltage information to the ENFOIII for display.

ESC Data

A-3 circuit

A-4 circuit

Engine information is received electronically on the J-1587 data bus.

The **ENFO III** continuously shows Engine RPM, Oil Pressure, Temperature, and System Voltage on four seven segment LED displays.

The **ENFO III** will determine whether to source coolant or oil for temperature automatically.

The mode of operation (English or Metric) is indicated by an LED illuminated next to the current mode. If a low oil pressure situation occurs (**<10 PSI**), the oil pressure display will alternate between the current oil pressure and **LO** and the alarm will activate.

If a high temperature condition develops (**235 deg. F**), the engine temperature display will toggle between the temperature value and **HI** and the alarm will activate.

A low voltage condition (**<11.9 VDC**) results in an audible alarm and the voltmeter alternating between the actual voltage and **LO**.