



DEF 2-inch Analog Operator Interface

DEF Instruments Product Family

Product Description

This 2" Analog Operator Interface instrument alerts users to a system's Diesel Particulate Filter status.

The instrument contains three large LED illuminated icon indicators along with red & amber alert LEDs.

Five discrete, switched to ground inputs from the engine control unit (ECU) activate the indicators.

Instruments Shown Actual Size.



Instrument Shown with Amber Alert Icon Active.



Instrument Shown with Red Alert Icon Active.

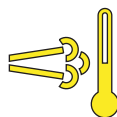
Customizable Features

- Bezel profile, material & finish
- Dial face graphics & colors
- Domed or flat glass
- Trim ring color Company logo

Indicator Descriptions

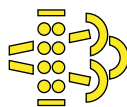
Exhaust Filter Indicator Warning

Active when:



- ▶ Exhaust gas temperature is high.
- ▶ Elevated idle is active.
- ▶ Exhaust filter cleaning in process.

Exhaust Filter Cleaning Indicator



Active when soot Level in the exhaust filter indicates need for an exhaust filter cleaning.

Exhaust filter indicator warning and amber alert icons



Active when machine performance is reduced due to very high soot level.

Exhaust filter indicator warning and red alert icons



Active when:

- ▶ Exhaust filter requires service.
- ▶ Machine performance is reduced and a stop engine request is made.

Engine Emission Filter Active Regeneration Disable



Active when auto clean is disabled.

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Made in the USA

fm-001-0106 rev A 10/2014

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Environmental Specifications

- Shock (Non-operating):
50G, 9-13mS half-sine,
25 shocks in each of three orthogonal axes
- Vibration (Non-operating):
0.06" (1.5mm) double amplitude 10-80-10 Hz
2 hours in each of three orthogonal axes
- Temperature:
Operating, -20°F to 158°F (-30°C to 70°C)
Storage, -40°F to 185°F (-40°C to 85°C) 50% RH
- Humidity:
95% relative humidity @110°F (43°C) non-condensing
- Salt Spray:
Meets or exceeds ASTM 117, 48 hours

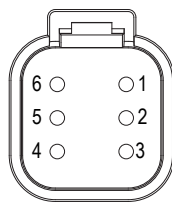
Electrical Specifications

- Reverse Polarity Protection:
Standard entire system
- Operating Voltage:
11-16VDC standard

Mechanical

- Bezel Material:
Stainless steel or aluminum
Finish, customer specified
- Case:
White thermoplastic copolymer
- Dial:
Textured finish polymer
Opaque characters & background
- Sealing:
IP 65 compliant

Wiring Connections



6 Pin Connector Detail
Mates with Deutsch I.P.D.
DT Series Connector
DT-06-6S
Locking Wedge W6A

6 Pin Connector Wiring Table	
Pin Number	Connection Name
1	Battery +
2	Engine Emission Filter Active Regeneration Disable
3	Exhaust Filter Cleaning Indicator
4	Red Alert LED Indicator
5	Exhaust Filter Indicator Warning
6	Amber Alert LED Indicator

16-20 AWG stranded copper wire recommended for all electrical connections.

Product Outline Drawing

