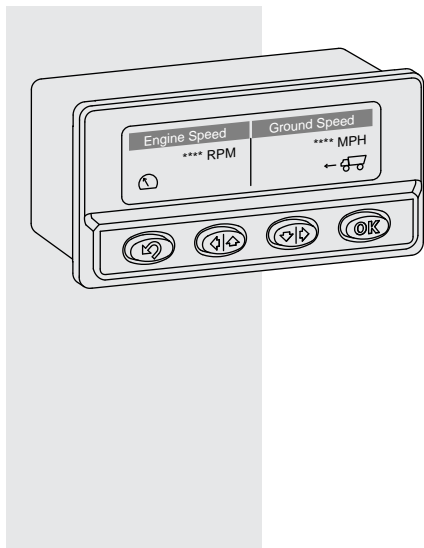


Series ELD-01 Heavy-Duty Display Unit



DESCRIPTION

The ELD-01 Series display is a monochrome, transfective graphical information display capable of displaying real-time operating information through two communication data links. Examples of some of the parameters that can be monitored are: temperature, motor speed, cylinder position, and flow. The information can be displayed as multilingual text or in one of several graphical formats. It is designed for use on heavy-duty vehicles and machines operating in adverse conditions.

FEATURES

- Environmentally hardened for harsh heavy-duty off-road environments.
- Environmentally sealed up to ± 5 psi against moisture.
- Vibration hardened to 9.8 Grms.
- Fully graphic, 64(h) x 240(w), positive image, transfective LCD for excellent visibility in all lighting conditions.
- Screen viewing area: 2.25 cm x 8.46 cm.
- White LED back-lighting for long life and sharp contrast.
- Dimmable via either external dimmer input or display keypad.
- 4 integral operator input buttons.
- HydraForce *Screen Builder* configuration software available for custom designs.
- Out-of-Cab capable.

RATINGS

INPUTS:

Keyswitch Input

Dimmer Input: PWM

COMMUNICATION:

CAN SAE J1939

PROCESSING ELEMENTS:

Processor: 68376 Mot. 32 bit @ 24 MHz

RAM/SRAM: 521 KBytes

Flash Memory: 1 MByte

EEPROM: 32 KBytes

ELECTRICAL:

Power Supply: 9 to 32 VDC at 3.0 Amps Maximum

PHYSICAL SPECIFICATIONS:

Dimensions: 120(w) x 61(h) x 66(d) mm (4.7 x 2.4 x 2.6 in.)

Panel Thickness: 4.6 mm (0.18 in.) maximum

Mounting: Front Panel Mount with Included Bracket;

Panel Cutout: 112.75 x 54.0 mm (4.44 x 2.13 in.)

Optional Gimbal Mounting Bracket

CONNECTOR:

Deutsch DT06-8S

ENVIRONMENTAL RATINGS:

Operating Temperature Range: -35°C to 75°C (-31°F to 167°F)

Storage Temperature Range: -50°C to 85°C (-58°F to 185°F)

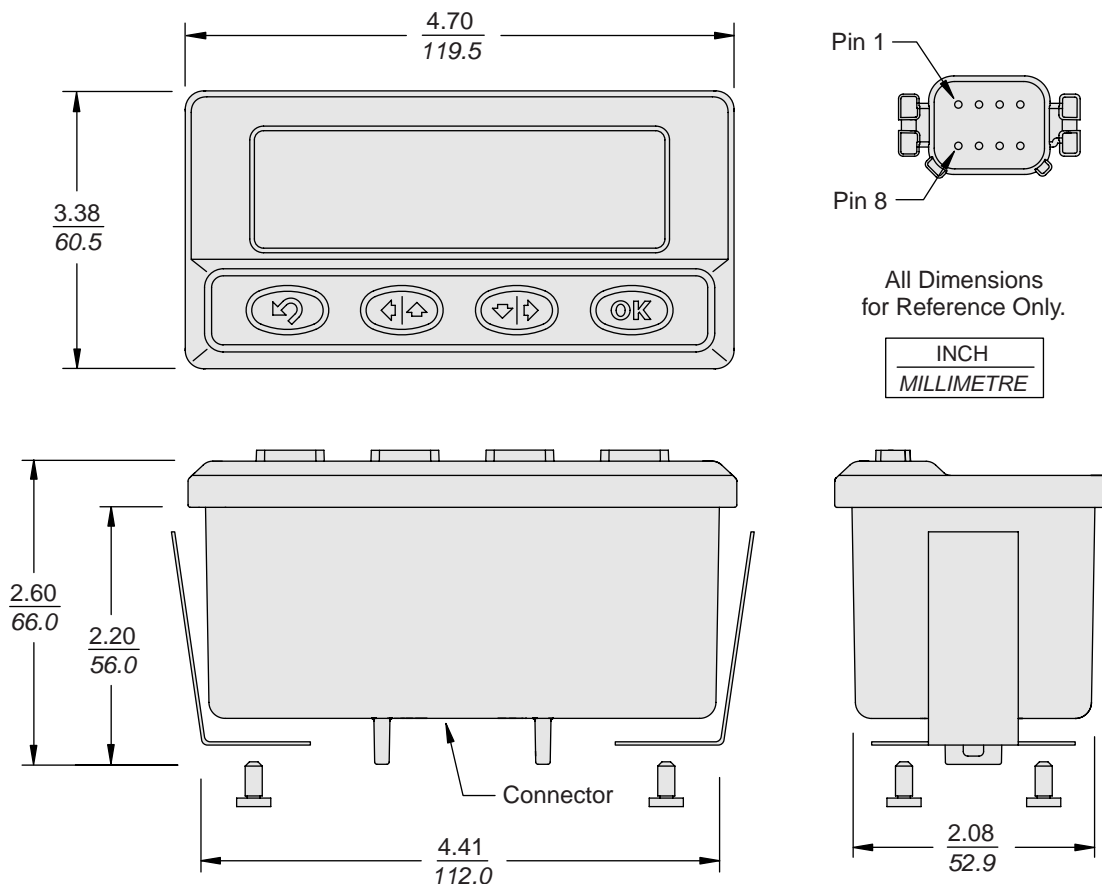
Vibration: 9.8g, 24 Hz to 2000 Hz

Sealing/Protection: Sealed to ± 0.35 bar, ± 5 psi; IP67/NEMA 13

EMC: 55 V/M

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DIMENSIONS



PINOUT

Pin	Function
1	Battery
2	Ground
3	Keyswitch
4	PWM Input
5	Not Used
6	Not Used
7	CAN Hi
8	CAN Lo

All Dimensions for Reference Only.

INCH
MILLIMETRE

J1939 DIAGNOSTIC SCREENS

Built-In Diagnostics with Automatic Interrupt:

Engine Messages: Fuel, Filters, Injectors, Coolant, Lubrication, Speed, RPM, Exhaust

Transmission & Driveline Messages: Lubrication

Electrical System Messages: Voltage, Load, Sensor Voltages

Priority Messaging: Note that this display is programmed to present certain J1939 messages immediately when installed, and when sensors trigger a serious fault or imminent failure condition, ie. engine temperature, fuel system failure, et.al. These messages will displace any other active messages displayed at the time. This priority is preprogrammed into the display. For a list of these standard J1939 set messages, consult factory.

TO ORDER

Backlighting	Software	Part No.
White	None*	4000717

Accessories:

***Screen Builder Configuration Software:**
Part No. 4100000

Gasket: Part No. 4000947

Gimbal Mounting Bracket: Part No. 4000948

Mating Connector: Part No. 4001955