

EL240 UNIVERSAL SERIES PANEL

FOR MECHANICALLY GOVERNED ENGINES

DESCRIPTION

The EL240-G7 series panel is LOFA's universal engine control and monitoring system designed for mechanically governed engines. LOFA has accomplished the one-panel-fits-all concept by standardizing on a Delphi weatherproof connector design which adapts seamlessly when utilizing LOFA's standard plug-and-play wire harnesses. LOFA offers a large selection of harnesses, meeting virtually all of your requirements. Additionally, expert assistance with harness design and manufacture creates the precise fit for your specific need. LOFA's standard extension harnesses, available in various lengths, make remote mounting easier than ever.

This panel is equipped with seven 2-1/16" gauge openings and is protected by LOFA's custom designed Aluflex enclosure, measuring only 8" x 10" x 6". Each panel comes standard with five dual-scale instruments: oil pressure, temperature, hourmeter, voltmeter, and 4000 RPM tachometer.

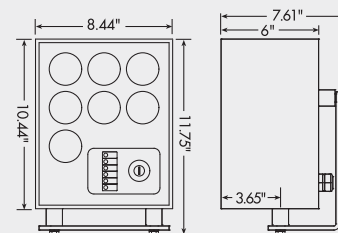
The EL240 series panel is a flexible platform for mechanically governed diesel engine control, monitoring, and protection, featuring LOFA's powerful First Fault Diagnostics (FFD). After pinpointing the initial failure, FFD stores the shutdown in memory and alerts the operator, via a single bright LED, of the exact cause of the failure. This feature helps identify failures quickly and reduces downtime for the customer. The microprocessor-based solid-state design uses reliable high-power semiconductors rather than outdated electromechanical relays.



Pictured Above: EL240 G7

DIMENSIONS

EL240 G7
Seven Gauge Openings



KEY FEATURES

- Engine monitoring, protection, and diagnostics via First-Fault Diagnostics for battery charge, low oil pressure, high temperature, v-belt breakage, and any customer defined auxiliary input
- VDO Cockpit International dual scale gauges
- Heavy-duty powder-coated Aluflex™ aluminum enclosure
- Heavy-duty IP64 water-resistant key switch
- High power solenoid output compatible with two and three wire solenoids (no relay required)
- In stock for immediate delivery



PHONE 770 569 9828 | FAX 770 569 9829 | www.LOFA.net

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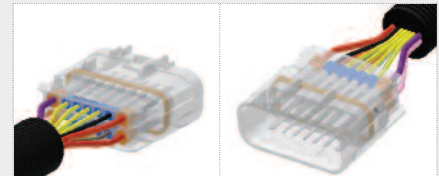
250 Hembree Park Drive | Suite 122 | Roswell GA 30076

FEATURES AND BENEFITS

- Engine monitoring, protection, and diagnostics via First-Fault Diagnostics (FFD) for battery charge, low oil pressure, high temperature, v-belt breakage, and any customer defined auxiliary input
- Ultra bright First-Fault Diagnostics LED display - highly visible in direct sunlight
- VDO Cockpit International dual scale gauges: oil pressure, temperature, voltmeter, hourmeter, tachometer, and two gauge openings for optional gauges
- Heavy-duty powder-coated Aluflex™ aluminum enclosure with integrated isolation mounting designed to withstand the most extreme industrial applications
- Automatic shutdown override simplifies engine starting by eliminating the need to push a button
- Heavy-duty IP64 water-resistant key switch with a mechanical start locking device
- Frequency input compatible with either alternator frequency terminal, proximity switch, or magnetic pickup (wiring kit required)
- Automatic preheat with afterglow controls the engine's cold starting aid when the key is turned to the run position
- Available plug-and-play extension harness in lengths of 36", 60", 120", and 240" makes remote mounting the panel an easy task
- Compatible with 2 and 3 wire solenoids without adding additional relays
- Optional lockable vandal protection door which can be easily installed in the field
- Optional lever starter switch version available
- Optional preheat as input signal

PART NUMBERS

- 973-0003-0000 – Panel EL240-G7 250°/150 GT 12V Universal Panel Includes Mounting Bracket, First Fault Diagnostics, 150 PSI Oil Pressure Gauge, 250° Water Temp Gauge, Voltmeter, Hourmeter, Tachometer, and 12" Harness with GT Connector
- 973-0019-0000 – Panel EL240-G7 250°/80 LFT GT 12V Universal Panel Includes Mounting Bracket, First Fault Diagnostics, 80 PSI Oil Pressure Gauge, 250° Water Temp Gauge, Voltmeter, Hourmeter, Low Frequency Tachometer, and 12" Harness with GT Connector
- 973-0027-0000 – Panel EL240-G7 250°/150 GT 24V Universal Panel Includes Mounting Bracket, First Fault Diagnostics, 150 PSI Oil Pressure Gauge, 250° Water Temp Gauge, Voltmeter, Hourmeter, Tachometer, and 12" Harness with GT Connector
- 973-0026-0000 – Panel EL240-G7 250°/80 LFT GT 24V Universal Panel Includes Mounting Bracket, First Fault Diagnostics, 80 PSI Oil Pressure Gauge, 250° Fluid Temp Gauge, Voltmeter, Hourmeter, Low Frequency Tachometer, and 12" Harness with GT Connector
- 813-3110-32 – Generic Harness 120" GT Female
- 813-3110-50 – Harness Ext 36" GT Male/Female
- 813-3110-52 – Harness Ext 60" GT Male/Female
- 813-3110-53 – Harness Ext 120" GT Male/Female
- 813-3110-54 – Harness Ext 240" GT Male/Female
- 010-1001-21 – Kit Relay Preheat 70A 12V GND Control 60" Harness (only required for automatic preheat control)
- 010-1001-26 – Kit Relay Starter 70A 12V 60" Harness (only required with harness lengths of 10 Ft and longer)
- 010-1001-28 – Kit Relay Solenoid 70A 12V 60" Harness (only required for 2 wire solenoids with harness lengths of 10 Ft and longer)



Pictured Above: Delphi GT Weather-proof Connector, Std. 12" Harness
Other electrical connections available upon request.

SPECIFICATIONS

- Standby Current: 50mA @ 12VDC, 80mA @ 24VDC
- Operating Temperature: -40° to 185° F (-40° to 85° C)
- Key Switch: 75A for 1 second (5% duty cycle)/18A continuous @ 12V; 25,000 mechanical cycles
- Reverse polarity protection
- 2-year limited warranty

Solid State Inputs/Outputs

- Tachometer Frequency Input (alternator, proximity switch or magnetic pickup with required wiring kit)
- Temperature Switch Input
- Oil Pressure Switch Input
- Fuel Shutdown Solenoid Output (70A for 1 second/5% duty cycle, 15A continuous)
- Starter Solenoid Output
- Switched Battery Output (fused, 15A continuous)
- Preheat Indication/Control (ground input or 2A continuous output)
- Battery Charge Indication/Alternator Excitation