

# EL240 UNIVERSAL SERIES PANEL

## FOR DEUTZ MECHANICALLY GOVERNED ENGINES

### DESCRIPTION

LOFA is now offering a universal EL240 panel designed for the Deutz 912/913/914, 1011F/2011, 1012/1013, and 2012 series engines. LOFA has accomplished the one-panel-fits-all concept by utilizing a Delphi weatherproof connector design. This durable connection performs extremely well in harsh environments and provides for quick and seamless installation. Plug and play engine specific harnesses and standard extension harnesses are designed specifically for each of the Deutz engine series. Extension harnesses are available in various lengths, and the EL240 panel will be in stock for immediate delivery. Remote mounting has never been easier.

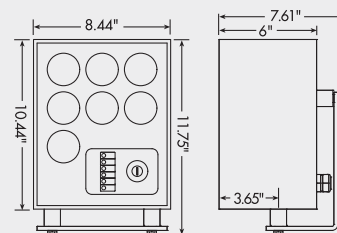
The EL240 series panel is a flexible platform for mechanically governed diesel engine control, monitoring, and protection, featuring LOFA's powerful First Fault Diagnostics (FFD). After pinpointing the initial failure, FFD stores the shutdown in memory and alerts the operator, via a single bright LED,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 The microprocessor-based solid-state design uses reliable high-power semiconductors instead of outdated electromechanical relays.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



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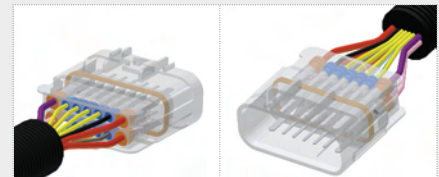
250 Hembree Park Drive Suite 122 Roswell GA 30076

## 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

- 973-0001-0001 – Panel EL240G7 300° Fluid 12V GT Universal Panel Includes Std Mounting Bracket, First Fault Diagnostics, 80 PSI Oil Pressure Gauge, 300° Fluid Temp Gauge, Voltmeter, Hour Meter and 4000 RPM Tachometer, 12" GT harness
- 973-0002-0001 – Panel EL240G7 300° Fluid 24V GT Std Mount Bracket IP64 Key Switch. First Fault Includes 80 PSI Oil Pressure Gauge, 300° Fluid Temp Gauge, Voltmeter, Hour Meter and 4000 RPM Tachometer
- 010-2901-00 – Kit Side Mount Adapter 2011
- 813-3501-05 – Harness Engine 2011 GT 36"
- 813-3102-05 – Harness Engine 1012/1013 GT36"
- 813-3103-01 – Harness Engine 2012 GT 48"
- 813-3500-63 – Harness Kit Eng 912/3/4 GT 6" Std
- 813-3500-80 – Harness Engine GT 912/913/914 EGR (Complete Engine Replacement Harness)
- 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: 50 mA @ 12 VDC, 80 mA @ 24 VDC
- Operating Temperature: -40° to 185° F (-40° to 85° C)
- Key Switch: 75 A for 1 second (5% duty cycle)/18 A 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 (70 A for 1 second/5% duty cycle, 15 A continuous)
- Starter Solenoid Output
- Switched Battery Output (fused, 15 A continuous)
- Preheat Indication/Control (ground input or 2 A continuous output)
- Battery Charge Indication/Alternator Excitation