EL240 G1H SERIES MICRO CONTROL PANEL

FOR MECHANICALLY GOVERNED ENGINES

The EL240 G1H is the most compact member of the EL240 Series and functions as a complete control system. The unique face-mountable, aluminum enclosure houses the EL240 controller and a high-current key switch, a rectangular hourmeter, as well as an option for a 2" diameter gauge.

This flexible platform for diesel engine control, monitoring and protection features LOFA's powerful First-Fault Diagnostics (FFD). After pinpointing the initial failure, FFD stores it in memory and alerts the end user via a single bright LED. First-Fault Diagnostics monitors battery charge, low oil pressure, high temperature, and up to two additional contact closure inputs. The expandable, solid-state microprocessor-based design uses high power semiconductors instead of outdated electromechanical relays to ensure reliable, high-current switching. The drop-in face-mountable enclosure is an ideal way for machine designers to place LOFA technology directly in the equipment dash. The G1HS enclosure platform (5.7" square X 2.9" deep) allows modular expansion via a plug-and-play gauge cluster. The gauge cluster supports up to four 2" gauges in an additional drop-in enclosure to simplify system design.

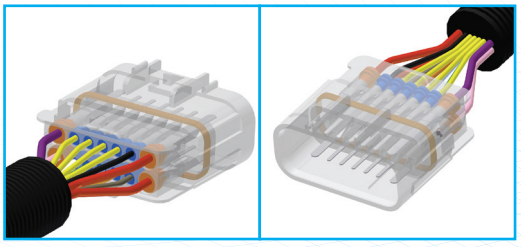
Some of the EL240 G1H Series programmable features include:

- Automatic preheat duration
- Afterglow duration
- Failure indication with shutdown or indication only
- Normally open or normally closed shutdown switches

The standard system includes a 12" wiring harness terminating into a sealed weatherproof plug. This durable connection performs well in harsh environments and provides efficient installation of custom plug and play engine harnesses as well as standard harness extensions.



EL240 G1H



Pictured Above: Delphi GT weather-proof connector, std. 12" harness. Other electrical connections available by request.

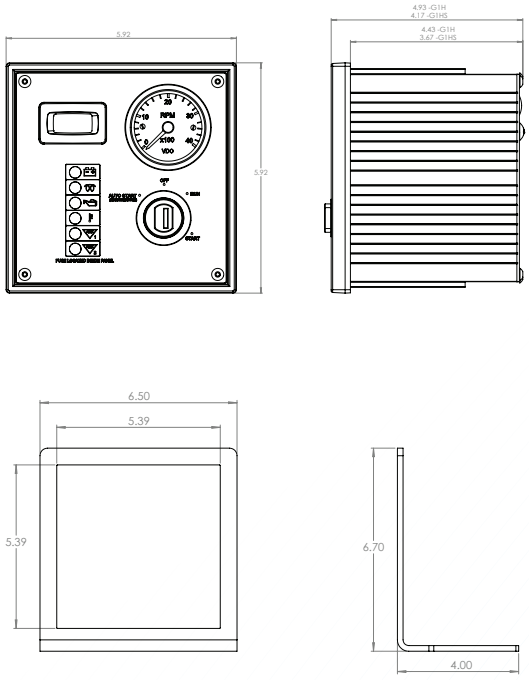
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EL240 G1H SERIES OPTIONS

- Engine monitoring, protection and diagnostics via First-Fault Diagnostics (FFD) for battery charge, low oil pressure, high temperature, and up to two additional contact closures
- Ultra bright First-Fault Diagnostics LED display - highly visible in direct sunlight
- Simple plug and play installation customized to the specific application allows rapid equipment completion
- Face-mountable, heavy-duty anodized aluminum enclosure designed to withstand the most extreme industrial applications
- Automatic shutdown override eliminates pushing a button during engine starting, allowing for simplified engine cranking
- Rubber key switch cover provided for wash-down when booted key is removed
- Heavy-duty IP 64 water-resistant key switch with a mechanical start-locking device to prevent unwanted engagement of the starter motor after the engine is running
- Frequency input compatible with either the alternator frequency terminal or proximity switch
- Frequency input supports magnetic pick-up if optional wiring kit is used
- Automatic preheat with afterglow controls the engine's cold starting aid when the key is turned to the run position

EL240 G1H SERIES DIMENSIONS



EL240 G1H SERIES WARRANTY

- 2 Year Limited Warranty

EL240 G1H SERIES SPECIFICATIONS

Standby Current	50 mA @ 12 VDC, 80 mA @ 24 VDC
Operating Temperature	-40F to 185F (-40C to 85C)
Key Switch	50 A for 1 second (5% duty cycle)/12 A continuous @ 12V; 25,000 mechanical cycles
Reverse polarity protection	
Optional 24V model available	
Solid State I/O:	
Tachometer Frequency Input alternator, proximity switch or magnetic pickup	if optional wiring kit is used
Temperature Switch Input	
Oil Pressure Switch Input	
Two (2) Additional Switch Inputs	
Fuel Shutdown Solenoid Output	70 A for 1 second/5% duty cycle, 15 A continuous
Switched Battery Output	fused, 15 A continuous
Preheat Indication/Control	ground active
Battery Charge Indication/ Alternator Excitation	3 A continuous output

LOFA™ INDUSTRIES
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