



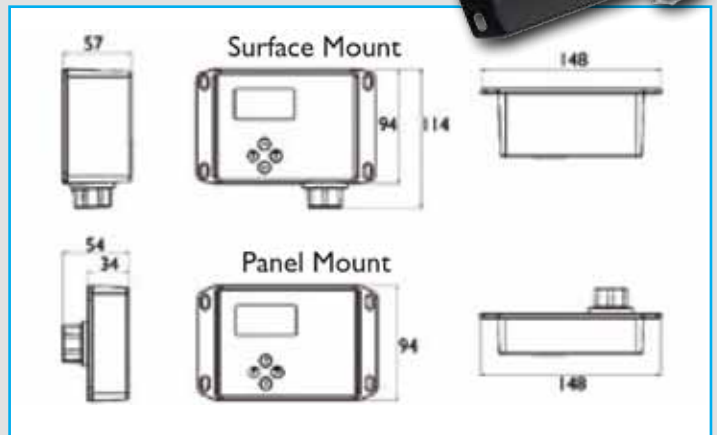
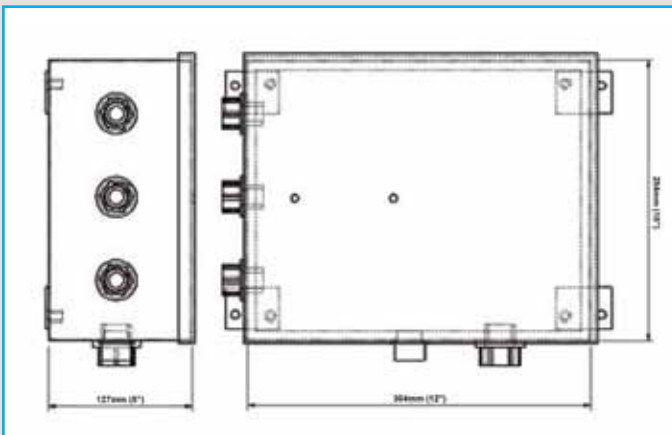
EH12 SHIELDED IGNITION SYSTEM

The EH12 ignition housing offers a shielded enclosure for the GS6, GS8 and GS12 igniters. This ignition system provides highly accurate and extremely powerful inductive ignition, which when tailored with the Gill range of ignition coils, produces spark durations well in excess of any CDI ignition system. This power and accuracy enable the GS6, GS8 and GS12 series to control normally aspirated or turbo-charged engines, running on natural gas, biogas, LPG and CNG in either lean burn or Stoichiometric air/fuel ratios. The enclosure provides header type connectors to enable quick and simple installation. Designed to be user-programmable via the Windows® GUI.



Key Features

- CSA® Certified Class 1, DIV 2, Groups C & D
- Compatible with GS6, GS8 & GS12 Ignition Modules
- Header-type connectors for quick and simple installation
- Controls up to 24 coils on up to 12 cylinder engines (two coils per cylinder)
- Optional remote display
- Optional pick-up interface unit (PIU) for two crank inductive pick-ups and single cam hall pick-up
- Optional advanced spark diagnostics to monitor real-time performance of spark plug voltage and spark duration



Specification

GS12			
Number of Cylinders	1-12 (programmable)	Inputs	TPS or MAP sensors for load, thermistor for temperature mapping. Ignition inhibit / enable switch
Ignition Point	Fully programmable for engine speed, load, temperature and fuel type	Outputs	On-board visible status indicators Optional: Fuel valve drive, Tacho / Speed signal
Timing Maps	Typically 10, programmable to 4,000 RPM	Communications	RS232 for programming via Windows® based GUI
Ignition / Fuel Rev Limits	Fully programmable to 4,000 RPM	Power Supply	12V or 24VDC
Spark Energy / Duration	Full user control via selectable dwell time with automatic supply voltage compensation	Environmental	-40 ° C to + 90 ° C, Sealed to IP67
Advanced Spark Diagnostics	Option	Connection	AMP Econoseal 36-way
		Certification	CSA® Certified Class 1, Div. 2, Groups C and D when installed in the EH12 shielded enclosure



Engine Controls