

EVO OBD



FEATURES

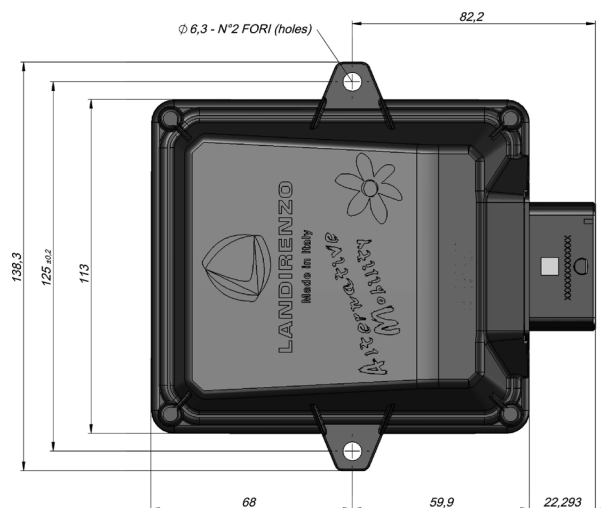
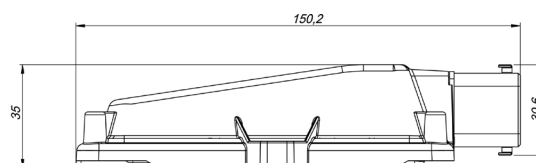
The LANDIRENZO EVO OBD control unit sums up the concept of essential quality. The new control unit's strong points are the dependability and precision of the self-calibration functions, permitting rapid, correct completion of vehicle calibration. without sacrificing the potential to adjust the extended calibration map and integrate with petrol if necessary.

With EVO OBD you can also perform diagnostics of the petrol injector connection and functioning of individual gas injectors with an OBDII (On Board Diagnostic II) connection with the petrol control unit.

EVO OBD is Connect Ready (compatible with Landi Renzo Connect).

FUNCTIONALITIES

Vehicle OBD II CAN (correctors - rst errors - adaptivity)
OBD II Vehicle Line-K (correctors - rst errors - adaptivity)
SW Tool Remote Assistance Dedicated Future world gas devices
Separate control front EV and EV rear
CC Diagnosis and OC for EV front and rear
Command for external detachment petrol pump relay (is possible by using an output EV)
Ability to read also the RPM signal from the phonic wheel sensor hall effect
Full map of each engine with the possibility of petrol contribution on single motor point
Petrol-gas passes (switchover - idle - cut_off - ..) managed with progressive petrol-gas mix until full gas
References correctors petrol for self-adaptation
Use the SF Tool as an AEB 214 handheld viewing 4 parameters selected from a list of 12-15 parameti most commonly used in gas



HOMOLOGATIONS

E3 10R-036385
E3 67R-6043
E3 110R-006070

TECHNICAL DETAILS

TECHNICAL SPECIFICATIONS	
GAS TYPE AND NUMBER OF CYLINDERS	LPG, CNG - 2÷4 CIL
CASE	TECHNOPOLYMER
SUPPLY VOLTAGE	10 ÷ 16 V
MAX CURRENT WITH ACTUATORS OFF	≤ 0.5 A
STANDBY MAX CURRENT:	≤ 50 µA
DRIVER INJECTORS:	4
SOLENOID VALVES OUTPUT:	2
MAXIMUM CURRENT (FOR SINGLE OUTPUT):	2A
FLASH MEMORY:	128 kb
PROCESSOR SPEED (pII):	25 MHz
WEIGHT:	196 g
DIMENSION:	134x152x36 mm
WORKING TEMPERATURE:	-40°C ÷ 110°C
CLASS IP :	IP54
ECU CONNECTOR:	48 PIN

FEATURES

HW GENERAL	OBD	SENSOR LEVEL	DIAGNOSIS	LAMBDA	COMMUNICATION
<ul style="list-style-type: none"> • Low standby current (iq <50µa) • Two independent EV command (front-rear) 	<ul style="list-style-type: none"> • CAN OBD connection • KLINE OBD connection • Fast/Slow trimmer reading • Auto-adaptive Strategy • Showing of main scan tool parameters • OBD error reset (complete or selective) 	<ul style="list-style-type: none"> • Management of level sensor AEB/LR/0-90 ohm • Management of level sensor Cartesio • Management of custom level sensor • Automatic embedded bypass for level sensor power supply: AEB CNG sensor or Cartesio/Linear sensors • Gas level 	<ul style="list-style-type: none"> • Gas injectors • EV • DHLP • Sensor and switch • Gas injectors enable/disable • Real time diagnosis on petrol injectors connection 	<ul style="list-style-type: none"> • Lambda probe reading • Lambda probe emulation <p style="text-align: center;">RPM</p> <ul style="list-style-type: none"> • RPM Negative Coil • Inj. Time (MAP) 	<ul style="list-style-type: none"> • Serial usb • Serial wireless • App connect <p style="text-align: center;">TEMPERATURE SENSORS</p> <ul style="list-style-type: none"> • Management of water temperature sensor • Management of gas temperature sensor
<p style="text-align: center;">OTHER STRATEGIES</p> <ul style="list-style-type: none"> • Start & stop • Valvetronic vehicle management • Pressure gas work setting • Input for the level of oil dispensing systems (alternative to the Gas level sensor) • Petrol Pump Cutting • Ticket Service 	<p style="text-align: center;">SWITCH TO GAS STRATEGIES</p> <ul style="list-style-type: none"> • Smooth Change Over petrol to gas (Custom transition between cylinders) • Smooth Progressive Switching to gas: Change Over / Cut Off / Idle to Petrol / Other • Switch to Gas on water temperature • Switch to Gas on gas temperature • Progressive standard Change Over petrol to gas • No switch (Button disabled) 	<p style="text-align: center;">GAS STRATEGIES</p> <ul style="list-style-type: none"> • Autotuning • 12x12 gas map • Switch Led dimmer • Switch Buzzer Volume setting • Changing GAS injections sequences • Antistall • Pre heating Gas Injectors • Flex fuel • Extra injection management • Dither • Injector flow rate Correction 	<p style="text-align: center;">PETROL STRATEGIES ON GAS</p> <ul style="list-style-type: none"> • Split fuel option • Automatic Petrol addition • (Gas Inj. Time > Cycle Time) • Petrol addition high RPM & high T_INJ 	<p style="text-align: center;">PRESSURE SENSORS</p> <ul style="list-style-type: none"> • Management of Gas pressure sensor • Management of MAP sensor • Management of system without MAP sensor 	<p style="text-align: center;">SWITCH TO PETROL STRATEGIES</p> <ul style="list-style-type: none"> • Switch to petrol at High RPM & High T_Inj • Switch to petrol at IDLE