

Ethanol Fuel Controllers

05

Perfect Power Ethanol Fuel Controller Range.

Perfect Power Products.

All products are manufactured by Digital Data Systems (Pty) Ltd in Johannesburg, South Africa. Digital Data Systems is a proudly South African company being the holding company for the Perfect Power brand of products and we have been in business since 1972. With German engineers at the helm, you can expect quality at an affordable price with innovative features.

Perfect Power specializes in the design and manufacture of fuel injection systems for every application from your everyday street car to your high-tech performance car.

All our products are made to the highest international standards with our advanced production facilities. We strive in making our products better and better each time. We do offer our spare production capacity out to our clients and we also offer custom made OEM products that suit our client's requirements and budgets. Please inquire at info@ddsystems.co.za with OEM in the subject for more information.

Brought to you by dds.

The logo features a large, stylized white letter 'P' on a red background. To the right of the 'P', the words 'Perfect' and 'Power' are stacked in a bold, italicized, white sans-serif font.

All our products are assembled by SMT (Surface Mount Technology) machine and then computer tested against a go / fail test procedure. Only once they pass all the tests, then only do they enter into the next phase. All products are then heat soaked for a period of 24 hours and then re-tested to make sure there are no component failures. This process ensures that the product you buy will last forever and give you years of service.

All Perfect Power products are powerful "real time" programmable fuel injection and ignition computer systems. High speed communication is achieved from USB communication. LetRipp II tuning software is used to manage the tuning, in real time, with all of our modern tuning units. The software was designed with tuners in mind and has many features to assist in the chip tuning process. All our products have extensive help documentation, application notes, FAQ and manuals that will answer almost every question you might have. Email info@perfectpower.com for support.

The Perfect Power range of products falls into three major categories: Stand Alone Systems and "Piggy Back" or Add-on Systems and "Accessories and Peripherals".

Warranty.

Perfect Power unit(s) come with a 12 month warranty on the electronics, excluding the drivers, from shipment date. The warranty will fall away if:

- The unit(s) has / have been tampered with.
- The unit(s) has / have been abused, misused or incorrectly maintained.
- The unit(s) has / have been incorrectly installed.
- The unit(s) was / were not tested on receipt.

If the unit(s) was / were damaged in transit, then the dealer from whom the unit(s) was / were purchased, will replace it as soon as possible.

Please note that if the unit(s) has / have been working fine for a while and then fails, it could be because of one of the following:

- The unit(s) has / have been damaged in installation (not covered by warranty)
- One of the internal drivers has been destroyed (not covered by warranty)
- Malfunction of electronics (warranty claim)

The damaged unit(s) will need to be sent back to the factory, by your dealer, for inspection and a new unit(s) needs to be purchased to replace it. If the problem is a manufacturing fault, the cost of the unit(s) and shipping fees will be refunded. However, Perfect Power will not be held liable for the cost of removal, reinstallation, dyno time and mapping of the unit(s).

Perfect Power unit(s) need to be returned to your relevant dealer before any claims procedure can begin. PRS and SMT units CANNOT be repaired

DISCLAIMER

Under no circumstances will Perfect Power be held responsible for any incidental, indirect, specific or consequential damages arising from the use of the unit(s).

RETURNS

All returns need to be authorized in advance. Please contact us on +27 11 792 9805, or info@perfectpower.com for authorization.

Warranty.

Please return the goods to one of the following addresses:

For returns by post :

Digital Data Systems (Pty) Ltd
P O Box 1577 Bromhof
2154 South Africa

For returns by shipping company :

Digital Data Systems (Pty) Ltd
22 Arbeid Avenue
Strijdom Park, Randburg
South Africa

All returns must be sent prepaid and no collect shipments will be accepted. Please ensure the parcel for its full value. If we determine that we are at fault for the return, we will refund the shipping costs.

We cannot accept returns on custom ordered parts. We also cannot accept returns on used or installed parts, parts not in their original packaging, parts that are not in a resalable package and parts that have come into contact with oil, coolant or fuel.

Contact.

Email : Info@perfectpower.com
Tel : +27 11 791 5947
Fax : +27 11 792 9818
Physical Address : 22 Arbeid Avenue, Strijdom Park, Randburg, South Africa, 2194
Postal Address : P.O. Box 35872, Northcliff, Gauteng, South Africa, 2115



www.facebook.com/PerfectPower



www.twitter.com/PerfectPowerEMS



www.youtube.com/TurboFueller



shop.perfectpower.com



www.pinterest.com/perfectpower/



plus.google.com/117756464898907011562/posts

Ethanol Fuel Tuner

Applications for the E-TUNE include:

Tuning, Auto tuning, Chip Tuning, Tuning cars, Remap engine, Performance chip, Car performance, Auto performance, Performance tuning, Computer tuning, Saving fuel, Power chips, Vehicle tuning, ECU tuning, Cars fuel economy, Dyno tuning, Power management, Fuel Mileage, MAF sensor tuning, MAF sensor replacement, E85 installations, Ethanol tuning, Ethanol fuel increase, and many more.

The purpose or aim of the E-TUNE is to provide a fuel-controlling unit with a “Plug-and-Play” facility. The E-TUNE requires no engineering, no cutting of wires and installs in minutes. In other words, it is GUARANTEED to work!

The E-TUNE applies to the environmentally conscious installer, who would like to reduce fuel consumption or maximize the best possible fuel consumption in various situations, or it serves as an Ethanol adaptor. The E-TUNE also applies to the “performance” enthusiast, who would like to run his/her engine at the most powerful fuel ratio possible. Equally, the E-TUNE applies to after market turbo and supercharger installations, which require more fuel under full boost. The performance side may require some engineering.

In any event, the E-TUNE simply connects to the fuel-injected petrol engine’s injector connectors, and this completes the minimum or basic installation for modifying fuel.

There are more powerful units available for the ultimate performance enthusiast but not with this DIY capability and with this performance/price ratio.



Features

- One Injection map with 384 sites
- RS232 Communication at 19.6KB
- Reduce or increase fuel
- Connects to the injectors clips only
- 3 default application to choose from
- Applicable to fuel or E85 installations

Fuel and Ethanol Applications

Plug and Play Fuel Tuner: Connect to the injector clips (and nothing else) and tune the fuel up and down. With the optional (supplied) PC software you can do magic to your engine, or iron out these little performance wrinkles. It is your choice!

Application: Manual Ethanol control

Connect the injector clips and locate the supplied potentiometer near the dashboard. Then tune the amount of Ethanol enrichment as required: The final enrichment depends on the actual tank mixture of fuel and E85 and your driving style. Assuming that you have pure E85 in your tank then you can save fuel by turning the adjustment to mid point or to full if you need the extra 5-10% more power. The typical fuel economy achieved while cruising is 15% with E85. The unit is shipped with this operating mode.

Application: Fuel tuning #1

Connect the injector clips and locate the supplied potentiometer near the dashboard. Then tune the amount of fuel ENRICHMENT as required while you drive to get rid of these flat spots. Please note that you can only ENRICH the engine up to 33%.

Application: Fuel tuning #2

Connect the injector clips and locate the supplied potentiometer near the dashboard. Then install the supplied PC software on your computer and connect to the RS232 port. You can now load a Fuel reduction and Fuel addition program in to the unit, which allows you to LEAN out the engine, or enrich it, while driving by tuning the supplied potentiometer left or right.

Application: Fuel tuning #3

To unleash the full power of the E-Tune you need to cut of the potentiometer and connect the wire to your TPS sensor, or to MAF (Mass airflow sensor) or to the MAP (Manifold pressure) sensor. You can now map your fuel as the engine load changes for 16 load conditions and 24 RPM settings resulting in 384 map sites. It is possible to calibrate the RPM and load conditions to suit your engine. Although a little engineering is required to connect the load wire, you are rewarded with a fully mapped engine. If you have a laptop, then you can observe what the engine is doing, and you can tune while driving. Ask for the help of a friend! Of course, you can de-tune (lean out) and enrich the engine to take care of the new pressure regulator, bigger injectors or the turbo charger.

The unit is PRE-TUNED to 33% enrichment via the potentiometer.

This setting can be replaced via the supplied PC software and the RS232 port. Once the PC is connected, you can affect all settings to suit your application. A variety of PC display options make your tuning effortless and fun.

Units are available for 4 and 6 cylinder engines.