

S40 PRO The Detail



Overview

The primary aim of the S40 is to provide an economic ECU for relatively simple wasted spark four cylinder engines using semi-sequential injection. Maintaining the highest manufacturing quality and reliability of more sophisticated ECU's in the S series range it provides a lower priced solution for a wide range of applications.

Essential features are not sacrificed to this aim and still maintained are important auxiliary functions to allow this unit to be used on road vehicles where required.

Also Available in Ignition Only Version

S40 Functions

All functions are as listed on the main brochure except where noted.

Main Fuel and Ignition Functions:- Except twin maps, sequential injection and individual coils.

Lambda Control Functions
Turbo Control Functions
Idle Control Functions
Launch Control
Full Throttle Shift Cut
Flexible Input Output
CAN Networking
Sensor Flexibility and Crankshaft Oscilloscope
Voltage Compensation Tables
Diagnostics and Test Features

Other Features

Sealed Latching Connectors
Size 115 x 100 x 41 mm
Weight 268 gm

All outputs protected against over temperature and over current
Inputs protected against severe wiring mistakes and accidents
Reverse battery protection
Alternator load dump protection

Input and Output Features

Inputs

Crank Shaft (Magnetic Only)
Throttle Position
Coolant Temperature
Air Temperature
Manifold / Barometric Pressure
Lambda
Oil Pressure
Fuel Pressure
Oil Temperature
Battery Volts
3 x User Defined Analogue (Shared Use)
Launch Switch
Shift Cut
Undriven Wheel Speed

Outputs

2 x Coil Drivers
2 x Injector Drivers
Tacho
Fuel Pump Relay
Fan/Aux 2/Turbo Pressure Valve (Shared Use)
Idle Valve (Shared Second Injector Driver)
Shift Light

For further details, please contact us or visit the DTA website

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