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Smart Fire Pre Unit Single Magneto Replacement Ignition System



Brand: Pazon Ignitions
Product Code: PDMS1

Price: $949.00

Short Description
Smart-Fire British Pre-Unit Single magneto replacement high-performance ignition system.
Ideal for competition, highly tuned or fast street bikes. 12 volt electrics (positive or negative ground).
Suits Triumph, Bsa, Norton, AJS, Matchless pre-unit singles with auto or manual advance & 12 volt electrics (positive or negative earth).

Replaces Lucas K1F/BTH type magneto.
Not suitable for replacing other types of magneto (e.g. mag-dyno).

Description
Is your current ignition not letting your bike reach its full potential?

Need an advance curve that better suits your engine?

Does your bike not want to fully rev out due to poor spark energy?

Is your battery not lasting a full race meeting?

The PAZON SMART-FIRE is the hassle-free solution to your ignition worries.

High-performance, ignition system for single cylinder motorcycles with 12 volt electrics, positive or negative earth.
Optimised for high spark energy and low power consumption.

Suits various makes, including Triumph, Bsa, Norton, AJS & Matchless models, originally fitted with a Lucas or BTH (3 fixing bolt type) magneto, auto or manual advance.

The SMART-FIRE system completely replaces the original Lucas/BT-H magneto.
The result is improved performance, excellent starting, improved idling, smoother running and low maintenance.

System comprises:

- magneto replacement body incorporating precision engineered steel timing rotor & digital trigger unit with static timing led
- digital Ignition module with mapped advance curve, user-programmable rev-limiter (set at the push of a button)
- miniature high-energy ignition coil
- ht lead with pre-fitted connector & rubber ht cover
- plug cap
- fixing bolts/washers/nuts for ignition module & coil
- quality crimp connectors & insulators
- earthing wire (for positive earth electrics)
- full colour 16 page installation booklet

Magneto replacement housing consists of aluminium alloy body and cap, steel shaft, fully supported on two large sealed ball-bearings.
It uses the original drive gear or sprocket and requires no modifications to the engine.
Please note: this system is not self-energising.
This system does not include battery or drive gear.

7½ year warranty

Features
Is your current ignition limiting your engine performance?
The Smart-Fire ignition incorporates a mapped advance curve that precisely controls the ignition timing throughout the rev range.
The active dwell control maintains the right energy in the ignition coil for optimum performance, whatever the engine rpm.
Whereas magnetos can give varying performance, the Smart-Fire ignition module's

intelligent software maintains consistent timing & spark energy.

Have you found setting the timing on your current ignition system a bit 'hit and miss'?
Timing made easy, with the on-board static timing light.
Simply set the rear piston to FULL ADVANCE on compression, then position the trigger unit with the aid of the static timing light.
The process is explained with step-by-step colour photos in the supplied booklet.
Once set, the timing will automatically fire fully retarded at cranking speeds, then the timing advances to suit the Velocette engine. Also, the timing won't ever go out of adjustment.

Concerned about damage to the electric start mechanism?
The Smart-Fire system will stay on time as low as 7 volts, so is ideal for electric starter models that can suffer from volt drops when cranking.

Poor dynamo charging system? Concerned about ignition's drain on the battery?
The Smart-Fire system draws less than 7 watts at tick-over.
Pazon's design incorporates a miniature resin encapsulated ignition coil.
This low inductance coil is energised for a very short period of time, meaning low power consumption.

Worried about over-revving your engine?
The Smart-Fire has a built-in rev-limiter.
At the push of a button you can set the rev-limiter to limit the engine speed from 3000 rpm upwards. Can be reset just as easily at any time.

Datasheet
PDMS1.pdf

Specification

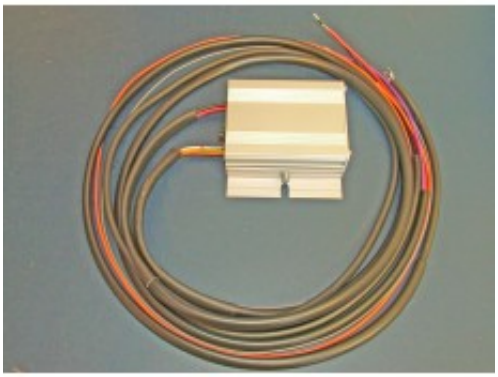
Features	
Electronic Advance	?
Electronic Tacho Output	?
Idle Stabilisation	?
Kill Switch Input	?
Low Cranking Speed Performance	??

Low Supply Voltage Performance	???
Mapped/Programmed Advance	?
Programmable Rev Limiter	?
Static Timing Led	?
Applications	
Motorcycle Brands	Triumph, Bsa, Norton
Suitable for competition bikes	???
Engine Configuration	
Piston(s)	Single
Stroke	Four Stroke
Specification	
Ignition Type	Digital
Supply Voltage	12 Volt

Product Gallery














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