

AMM - P1 UNIVERSAL-PERFORMANCE



IGNITION-SYSTEM



CUSTOMER INFORMATION

CONGRATULATIONS!

Congrats for owning the AMM - P1, the world's finest and most versatile ignition-system powering 1- through 12-cylinder engines in cars, motorcycles, boats or stationary applications.

We have put all our experience into this most-advanced ignition system in order to give you full control over your engine. The AMM - P1 is able to deliver unrivalled engine performance, superior to any other ignition system.

This ignition system has been designed to deliver the maximum possible performance. For all distributed 3..12 cylinder engines, as well as 1, 2 and 4 cylinder distributorless engines.

Despite its many features, this ignition system is easy to install and operate with only few wires to connect.

HALL-EFFECT CAM-SENSOR INTERFACE

The AMM-P1 universal performance ignition system relies on Hall-effect Cam-Sensor interface as is found on most carbureted engines and early fuel-injection engines. It is compatible to many automotive sensors from the '80s and '90s making it a plug-and-play solution for these engines. In addition we supply our own Hall-Sensor assembly as well as trigger-rotors and mounting adapter in order to replace points and mechanical advance units on older engines or for adaption to brand-new engines that are being simplified and/or upgraded to carburetor including experimental engines.

256 ADVANCE CURVES - 32BIT PRECISION

At least now you know that you've purchased the world's most advanced ignition system. While advance-curves traditionally are stored as lookup-tables from the very first until today's electronic ignition modules and control units, the AMM-P1 takes a novel approach in order to bring performance to an entirely new level. Since lookup-tables are inherently limited in their resolution we decided to employ the latest generation of 32-bit processors in our AMM-P1 in order to create the actual advance-curve mathematically - in real-time - and with 32-bit precision! This way we have been able to integrate a whopping 256 ultra-precision advance curves into the tiny AMM-P1 unit.

We do not want to memorize 256 advance curves (you won't too), so we have sorted them out to be selected in parametric fashion: With only two 16-position rotary knobs - one for max. advance - and one for curve rise - finding and setting the optimum advance curve for your engine is as straightforward as it can possibly be. Max advance can be adjusted in 2° steps and rise in 200 rpm steps - on the fly - during engine operation!

Whether your engine is a 2- or 4-valve, has 1, 2,3,4, 5, 6, 7,8,9,10,11 or 12 cylinders, V or straight, sport- or stock-pipes, bored cylinders, hotter cams, aspirated, compressor or turbo-charger: the AMM - P1 is able to reveal its full potential, while maintaining rock solid reliability, ultrafast throttle response and smooth idle. A blue LED monitors power- and sensor-status.

EXTRA FEATURES

The AMM - P1 ignition features 2 sensor-inputs and 2 output-stages. In distributed engines (3,4,5,6,7,8,9,10,11 or 12 cylinders) both output stages are triggered simultaneously. We leave it up to you if you leave one output as a spare or connect both outputs in parallel for driving extra hot ignition coils in race applications. Dual outputs come handy for dual-plug heads as well as dual-distributor engines. The P1's set of two sensor-inputs allow for V2 engines (of arbitrary cyl. angle) running either dual- or single-fire mode as well as 4-cylinder distributorless engines. Dwell control is fully automatic and dependent on number of cylinders.

The AMM-P1's outputs are protected against overload including short-circuit and feature a soft rampdown in order to prevent timeout-spark in case of loss of sensor signal. The AMM-P1 is reverse-polarity and overvoltage-protected but it continues operations down to 3V supply voltage - and lower - making it eminently suitable for all 6Volt and 12Volt systems as well as for battery-less operation, manual- or kick-start.

SUPPORT

If you have any questions or need more information about our products don't hesitate to contact the next AMM-dealer AMM directly. Additional information is also available on our web-site: www.amm.haan.de



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