

ACCEL 500+ DIGITAL PRO STREET/RACE IGNITION CONTROLLER



49500



Now you can have all the power and features of a typical 7 Series racing type CD ignition system, but designed for use on the street as well as at the track. The RISC micro-controller digital circuitry provides high-speed processing, maximum energy output and greater efficiency. The control unit provides several multi-strike spark events of 550V and 150mj of energy up to 2500 RPM. The ACCEL 500+ features a remote hand-held display/input unit for easy real time programming and observation or it can be unplugged from the control unit after programming. The ACCEL 500+ Pro Street/Race ignition can be used with a wide variety of coils, but to maximize the performance potential a high turns ratio CD type coil should be used. The recommend coil for maximum performance is the ACCEL p/n 140019.

Features include:

- Three rev limiters, adjustable from 1000 to 12800 RPM
- Four high speed / fixed timing retards, adjustable from 0.1 to 20.0 degrees
- Start retard, adjustable from 0.1 to 20.0 degrees (all out by 500 RPM)
- Two RPM switches, adjustable from 1000 to 12800 RPM

- One RPM activated window switch; "on" at 1000 to 12700 RPM, "off" at 1100 to 12800 RPM
- Boost retard in degrees/PSI, adjustable from 0.1 to 4.0 degrees per PSI of boost (Requires the use of MAP sensor and harness, each sold separately)
- Selectable MAP sensor input, for 2 or 3 BAR sensors
- Cylinder select for even fire 4 to 12 cylinder engines.

500+ ProStreet/Racing Ignition controller49500

Optional Accessories:

- 2-3 BAR MAP Sensor harness29785
- 2-BAR MAP Sensor74776
- 3-BAR MAP Sensor74777

OPERATING SPECIFICATIONS

- Spark Energy:** 150 MJ per spark
- Primary Voltage:** 550 volts
- Secondary Voltage:** 45,000 volts
- Spark Series Duration:** 20° crankshaft rotation
- RPM Range:** 12,500 PRM with 14.4 volts
- Voltage Required:** 12-18 volts, negative ground
- Current Draw:** .7 Amp per 1,000 RPM

Tested with E-Core Super Coil, part #140019