

# Capacitive-Discharge Ignitions

For Single and Dual coil CDI applications using conventional distributed spark or for Rotary applications, We recommend our proven single and dual channel

CDI boxes. Over 100 millijoules of energy is available per spark and the hardware is produced to hang tough under this kind of operating condition in a racing environment.



M CDI-1 M&W

M CDI-2 M&W

M CDI-4 M&W

M CDI-8

The Motec CDI-8 answers the call for world-class ignition capability in a compact, rugged package. Designed to drive up to eight low-impedance CDI coils. The CDI-8 can operate in ECU slave mode or in stand-alone mode with Windows spark-mapping software.

The CDI-8 boasts features like Autosport connectors and CAN-based diagnostics.

Reliable, refined circuitry can deliver full 450-volt primary voltage at 15,000 revs (30,000 RPM for 4 cyl). Output stages can deliver up to 200 amps into a CDI coil primary without damage. CDI links into the vehicle network CAN bus to provide instant diagnostic messaging. Simply the best CDI available anywhere. CDI-8 has been proven on engines producing more than 3000 Horsepower.



## Capacitive-Discharge Ignitions Accessories

### Capacitive-Discharge Coils



Twin Output CDI coil assembly  
M CDI 583740



Single Ended CDI coil  
M CDI 551 101



Double Ended CDI coil  
M CDI 551 102



Single Ended CDI  
Highest Output on the Market  
M CDI 832757A4

### CDI-8 Wiring



10' unterminated harness  
with Autosport connector  
M CDI-8H

### Multi Coil Inductive



Mitsubishi 6-cyl coil pack  
6-cyl wasted spark  
M 6-D846251



4-cyl coil pack  
w/integral ignitors  
(ECU controlled only)  
M 4-2100

## Coil-Near Plug Inductive



Coil-near plug w/integral ignitor  
M DEN-580



Denso 580 production spark plug wire  
M DEN 580 WIRE



Termination kit  
M DEN 580 TERM

*Custom made Spark Plug Wires available*

## Denso Termination



Straight coil-end boot  
M 12-2254



Coil-end termination  
M 12-2977



45° coil-end boot  
M 12-3659



7mm Spark Plug Wire  
M 015561



90° coil-end boot  
M 12-2220



Straight Spark Plug Boots  
M 12-2264

## Like Thunder and Lightning

The Denso 580 Coil Near Plug features a built in Ignitor making them an excellent choice for ignition because they eliminate the need for an external ignitor between the ECU or Ignition Expander and the coil. Do they have a good spark? We have had success using them to ignite the spark under 20 PSI boost on some 2000 Hp Engines!

## MoTeC Mitsubishi Diff Controller



The Mitsubishi Diff Controller (MDC) is a direct replacement for the Active Centre Diff (ACD) controller for the EVO 7, 8 and 9 models. The MDC is a fully programmable centre diff controller. Six different diff control mode are selectable from the standard ACD button located on the dash board. The modes include 0% and 100% lock and four user programmable modes. The MDC can be used on vehicles fitted with Active Yaw Control (AYC) but the AYC will be disabled.

Mitsubishi Diff Controller  
M MDC

## MoTeC Ignition Expander

The MoTeC Ignition Expander enhances the ignition control capability of any MoTeC ECU. The MoTeC IEX will allow a single MoTeC ECU output to control up to 8 individual coil drivers.

M IGN EX

Modified for use w/Denso 580  
Additional \$



## MoTeC Traction Control Multiplexer

The MoTeC Traction Control Multiplexer goes between the ECU and the wheel speed sensors. It gathers the speed information from the 4 wheels and calculates the ground speed from the fastest rolling wheel and speed difference from the driven wheels. The MoTeC Traction Control Multiplexer is very useful in allowing 4 separate speed channels to be brought into one input of the ECU.

M TC MUX



## Did You Know?

The MoTeC ECU software will not let you perform an ignition test while using the ignition expander. However you can easily make a jumper and change the ignition setup in the software to 1 coil. Then you can go into the ignition test screen, and use the jumper on the harness at the Expander connector (Expander unplugged) and test each coil Output.

## IGN EX / TC MUX Harness Spares MoTeC Traction Control Multiplexer



18-way plug set for M IGN EX and M TC MUX  
M ECONO 18