Mercury Coil Driver

The **MERCURY Coil Driver** is a quality high performance spark generator designed for plain coils without built-in drivers. The Mercury ECU can drive coils with built in drivers directly but you have to use the external Mercury coil driver for basic coils.

This driver comes in 2x2, 4x4 and 6x6 driver configuration. This means each driver has a trigger signal. If you have for example a 4 cylinder with 4 coils you will require the 4x4 driver. The mercury coil driver may be configured for wasted spark or single coil. See the wiring diagrams on these connections.

The Mercury coil drivers use a specialized component that can drive the primary up to 360 Volts creating a 36 Kilo Volt output on most coils. The driver is current limited to 10 Amp and has a soft discharge feature should the ECU not trigger it within a certain time. It has over temperature protection that will prevent overheating of the driver in long charge time duty cycles. It also has an overload LED that comes on at 4 amperes and can be used as an indication to set up charge times. See the charge time section.

Specifications

Coil maximum primary voltage 360 Volt
Coil maximum charge current 10 Amp protected
Coil lockout against accidental trigger when charge signal is too long

LED Indication
Yellow Power on indication
Green Trigger indication for input signal on Channel 1
Red Overload indication for output signal on Channel 1

Power required
12V 100mA

Inputs
2, 4 or 6 Coil Drivers
1 to 12 volt On Charging, 0-1 volt Off (Discharging).

Outputs
2, 4 or 6 Trigger Outputs 10A 360V to ground protected

Dimensions
Size 95 x 60mm x 21mm
Weight 120g Epoxy Filled
2 x Connector Type Plastic Molex 8, 6

Hardware

Below are the links for the Pin Layout, Harness Drawings and Harness Overviews for the Mercury Coil Driver.

Mercury Coil Driver Pin Layout

Harness Drawings

MC1-P1 Harness

MC2-P2 Harness

MC4-P2 Harness

MC6-P2 Harness

Harness Overviews

MC1 P1 Harness Overview

MC2 P2 Harness Overview

MC4 P2 Harness Overview

MC6 P2 Harness Overview