

# Instruction Manual

P/N 30-2840  
4 CH IGNITION DRIVER



## Introduction

AEM Coil Drivers are custom manufactured to AEM's specifications by HUCO Electronic GmbH in their ISO 9001 facility in Germany. They are specifically designed by AEM for driving the high power dwell controlled ignition coils commonly found on performance engines.

## Kit Contents

The **30-2840** Kit contains:

- Four Channel Coil Driver
- Five Pin Mating Connector
- Four Pin Mating Connector
- 10 Terminals & Wire seals (one extra of each as a precaution)
- Mounting hardware
- Thermal Grease

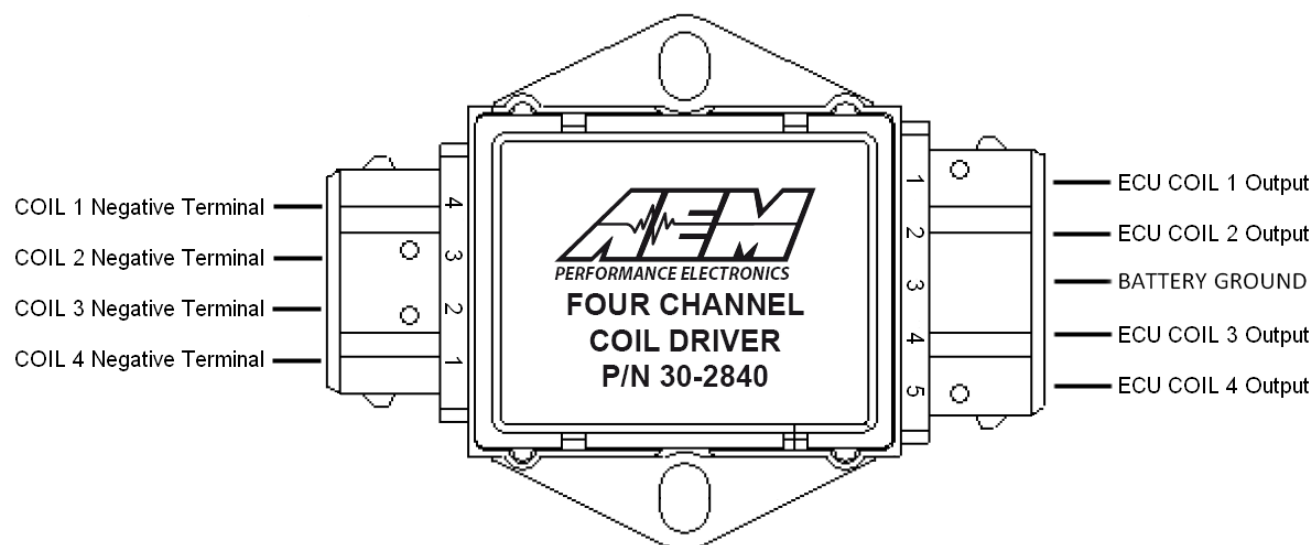
## Installation

It is critical that this driver module be mounted to a flat metallic surface and that the supplied thermal grease applied between the module and its mounting surface (units that do not include an integral heat sink). This is required to allow the heat generated to be conducted away. Failure to mount the driver in this manner will cause a premature failure and will void the warranty.

## Trigger Setup

Pay special attention when connecting this unit as improper wiring or incorrect ECU configuration can destroy the module, your coils or your ECU. If you are not 100% sure of your configuration do not power up the system until you are. This module takes a 5V logic level trigger signal (falling edge trigger) which is configured to fire the coil on its falling edge and converts it to a switched ground where the ignition coil is grounded when the input signal is high and the ignition coil is fired (disconnected) when the input signal falls from 5V to ground.

## Electrical Connections



## 12 Month Limited Warranty

AEM Performance Electronics warrants to the consumer that all AEM ELECTRONICS products will be free from defects in material and workmanship for a period of twelve months from date of the original purchase. Products that fail within this 12-month warranty period

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will be repaired or replaced when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement, at AEM's discretion, of the AEM Electronics part. In no event shall this warranty exceed the original purchase price of the AEM ELECTRONICS part nor shall AEM ELECTRONICS be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product.

Warranty claims to AEM ELECTRONICS must be transportation prepaid and accompanied by dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12-month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty.

AEM ELECTRONICS disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM ELECTRONICS.

Warranty returns will only be accepted by AEM ELECTRONICS when accompanied by a valid Return Merchandise Authorization (RMA) number. Product must be received by AEM ELECTRONICS within 30 days of the date the RMA is issued. UEGO oxygen sensors are considered wear items and are not covered under warranty.

Please note that before AEM ELECTRONICS can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned, or an RMA requested before the above process transpires. AEM ELECTRONICS will not be responsible for products that are installed incorrectly, installed in a non-approved application, misused, or tampered with.

Fuel Pumps installed with incorrect polarity (+&- wires crossed) will not be warranted. Proper fuel filtration before and after the fuel pump are essential to fuel pump life. Any pump returned with contamination will not be warranted.

Any AEM ELECTRONICS product, excluding discontinued products, can be returned for repair if it is out of the warranty period. There is a minimum charge for inspection and diagnosis of AEM ELECTRONICS parts which are out of warranty. Parts used in the repair of AEM ELECTRONICS electronic components will be extra. AEM ELECTRONICS will provide an estimate of repairs and must receive written or electronic authorization before repairs are made to the product.

Need additional help? Contact the AEM Performance Electronics tech department at 1-800-423-0046 or email us at [tech@aemelectronics.com](mailto:tech@aemelectronics.com).