



**INSTALLATION INSTRUCTIONS
FOR
M&W PRO-10
SINGLE CHANNEL
CAPACITOR DISCHARGE
IGNITION**

CONTENTS:

2. Connections and specifications
3. Wiring diagram

M & W IGNITIONS

(C)1996 - 2004 M&W IGNITIONS

CAUTION!
HIGH VOLTAGE

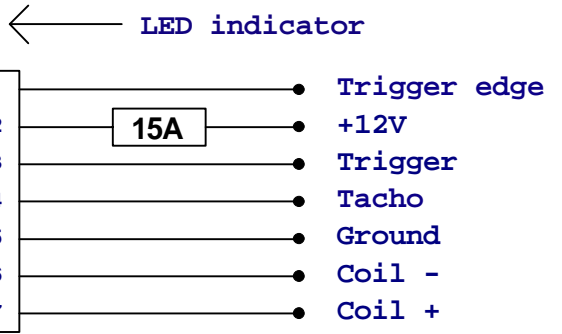
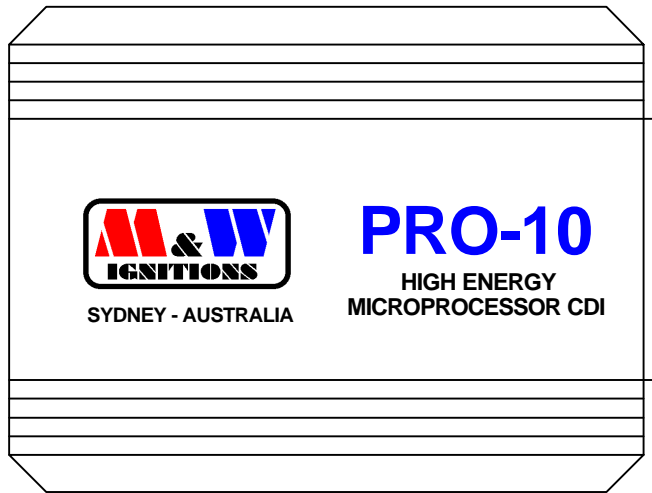
IMPORTANT INSTALLATION NOTES!

MOUNTING
Do not mount the unit where it would be exposed to water splash. Do not mount the unit near hot engine components. Where possible mount the unit in an area subject to cooling air. The unit must be isolated from strong vibration by rubber mounts.

ELECTRICAL
Protect the +12V supply with a 15A inline fuse - Warranty void if not installed!
Max coil wire length 1M, twist wires 1 twist / 15mm
Keep ignition coil wires away from all ecu wiring in particular triggers and sensors

IGNITION LEADS
Do not use carbon suppressed ignition leads. Do use premium quality magnetic suppressed, spiral wound metal conductor ignition leads.

LED INDICATOR
The LED indicator will illuminate when power is first applied to the unit and extinguish with the first trigger pulse, it will then flash with each consecutive trigger pulse



SPECIFICATIONS

Supply voltage = 13.8V DC negative ground
 Operating voltage = +6V to +18V (Restrictions apply)
 Supply current = 6A @ 600Hz
 Coil primary voltage = 450V
 Spark energy = 105 millijoules
 Maximum ignition frequency = 700Hz
 Trigger = 5mA open collector drive
 Tacho = 12V, 25mA square wave
 Maximum continuous operating temperature = 105°C
 Dimensions = 150L * 130W * 50H
 Weight = 750gm

TRIGGER EDGE

Falling edge ignition - leave pin #1 disconnected.

Rising edge ignition - connect pin #1 to ground or 0V.

When triggering this unit of an existing ignition module or an ecu with built in igniters such as the Microtech 'MTX' series it will be necessary to select rising edge trigger.

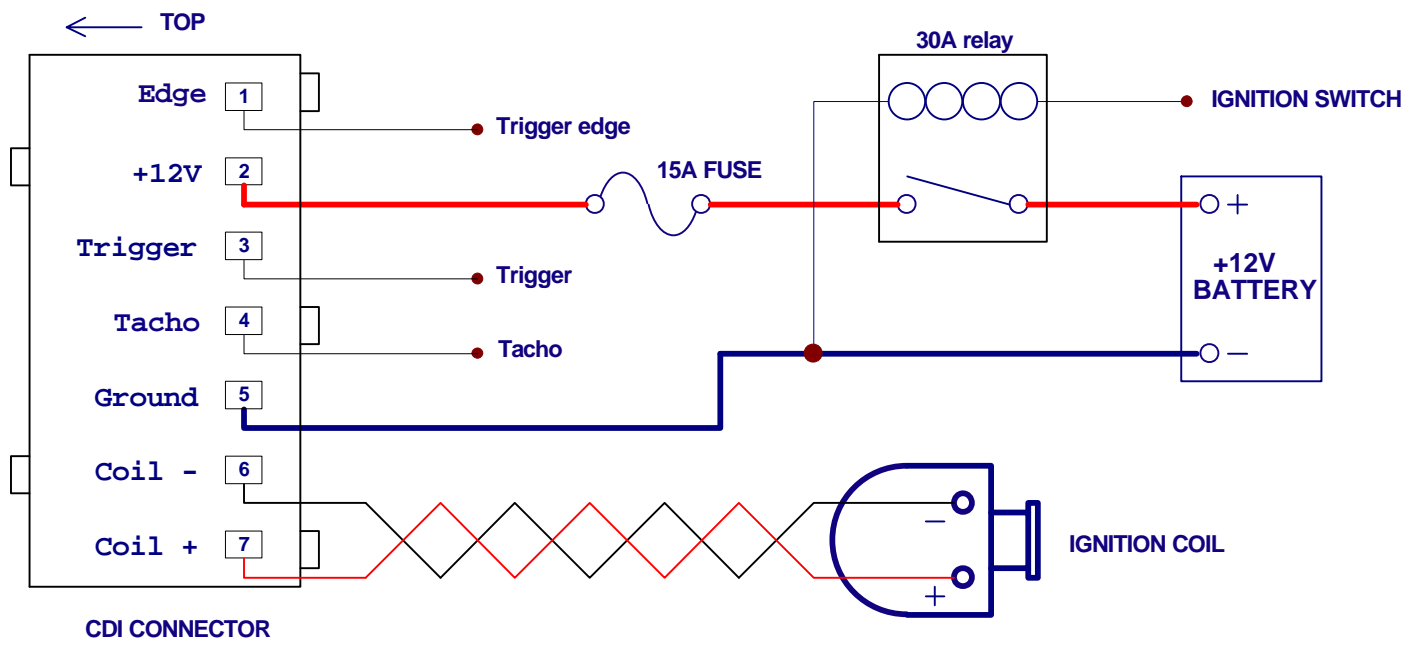
Main power to CDI must be disconnected (Pin 2) before any changes take effect.

Title		
SINGLE CHANNEL CDI		
Size	Number	Revision
A4	PRO-10	1
Date:	6-Jul-2004	Sheet 1 of 1
File:	D:\M&W\Diagrams\Pro-10\Pro10_1_2.sch	Drawn By: M&W

M & W IGNITIONS

(C)1996 - 2004 M&W IGNITIONS

CAUTION!
HIGH VOLTAGE



CDI CONNECTOR

IGNITION COIL

NOTE!

Remove all existing wiring from the ignition coil when installing M&W CDI ignition system! Do not connect +12v to the positive side of the ignition coil.

MINIMUM RECOMMENDED WIRE SIZE

	1.5mm Dia - 0.5 Sqmm - 20 AWG
	2.5mm Dia - 1.0 Sqmm - 18 AWG
	3.5mm Dia - 2.0 Sqmm - 14 AWG

Title				SINGLE CHANNEL CDI			
Size		Number		Revision			
A4		PRO-10		1.0			
Date: 15-Jun-2004				Sheet 1 of 1			
File: D:\M&W\Diagrams\Pro-10\Pro10_2_2.sch				Drawn By: M&W			