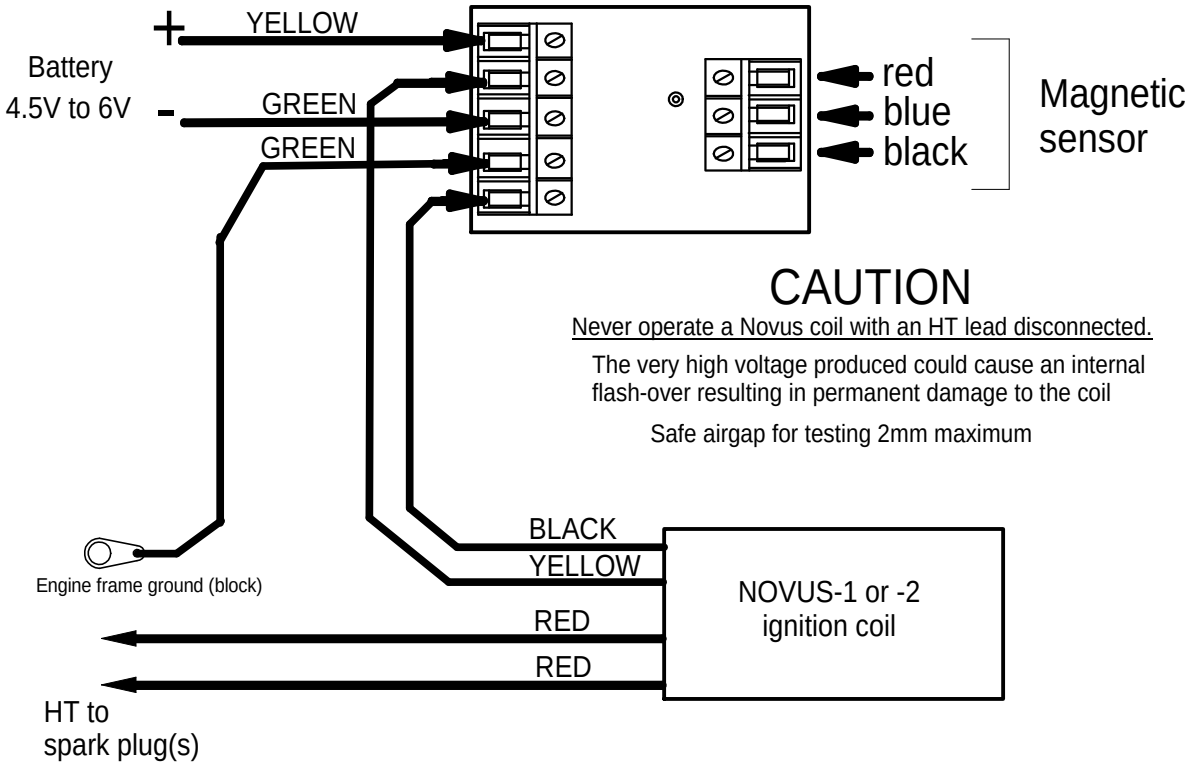
Wiring Diagram



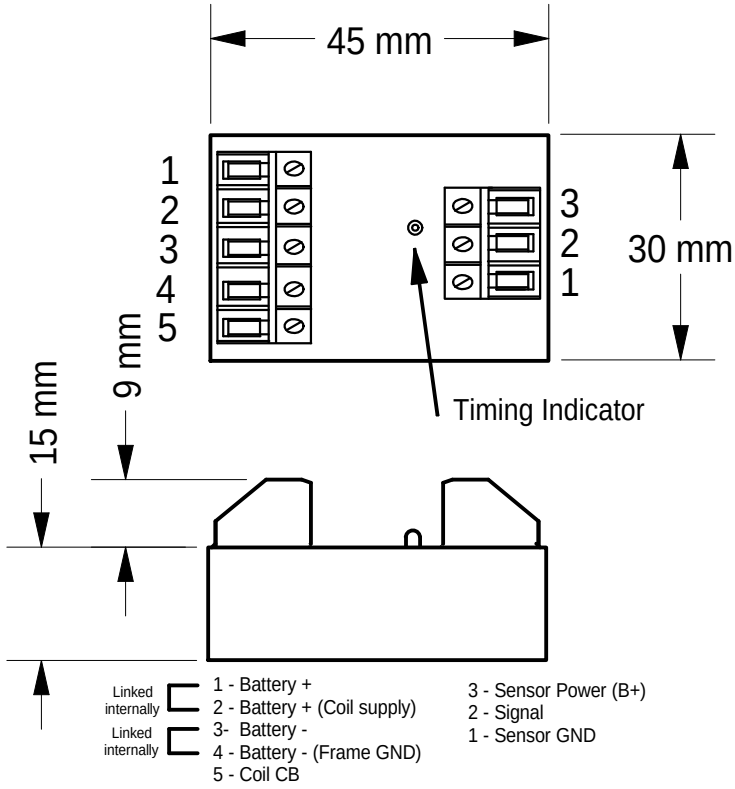
CAUTION

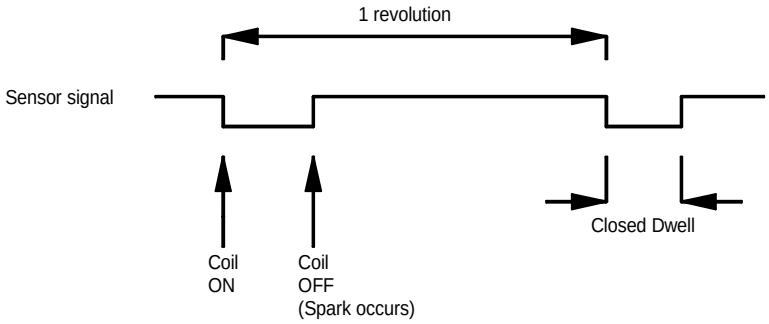
Never operate a Novus coil with an HT lead disconnected.

The very high voltage produced could cause an internal flash-over resulting in permanent damage to the coil

Safe airgap for testing 2mm maximum

Outline Drawing and Data





Supply voltage range 4.5V to 12V, maximum switching current 11A (pulsed)
Power saver - If the engine stops with the sensor active, coil is switched off after about 0.5 seconds
Use heavy gauge wire for all coil connections.
A battery capable of delivering high currents should be used eg. lead-acid or a NiCd pack.

Dwell

Very important! To ensure sufficient spark energy, arrange closed dwell to be about 1.5 milliseconds at maximum desired RPM with a 6 volt supply. A longer dwell wont harm.
Built-in static timing light is useful for checking. On = sensor active, spark occurs at switch-off.
Example using a crankshaft mounted sensor magnet:
Max RPM = 6000.
= 100 rev/sec
= 10ms per rev.
Need 1.5ms closed dwell, so sensor needs to be active for at least
1.5/10 x 360 = 54 degrees

DRWN jk	CHKD		Date 4 Feb 2011	**Minimag Co.** **Lingfield, Surrey. Made in England**	1 24/10/11 Changed wiring detail Minimag Ignition Controller Type-1A Connections when used with Novus coils
DRWG 1 of 1			File MIC1A+Novus.fcw REV2		Outline & Connections