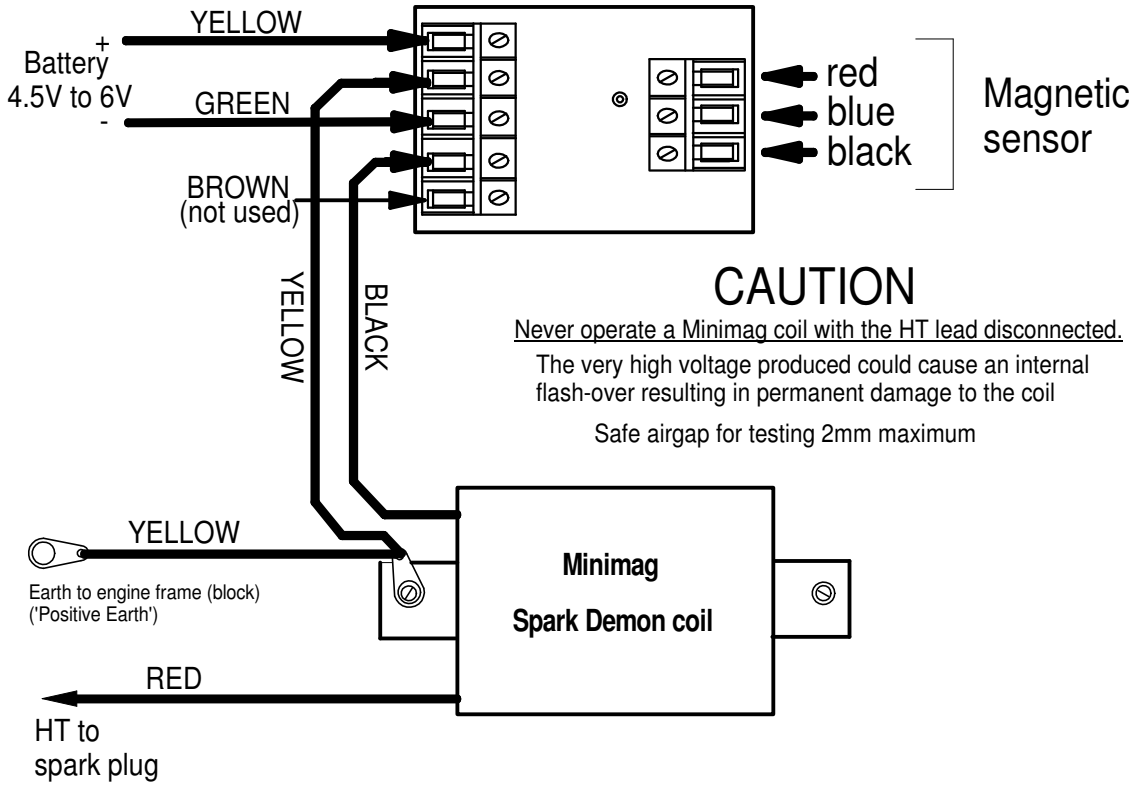
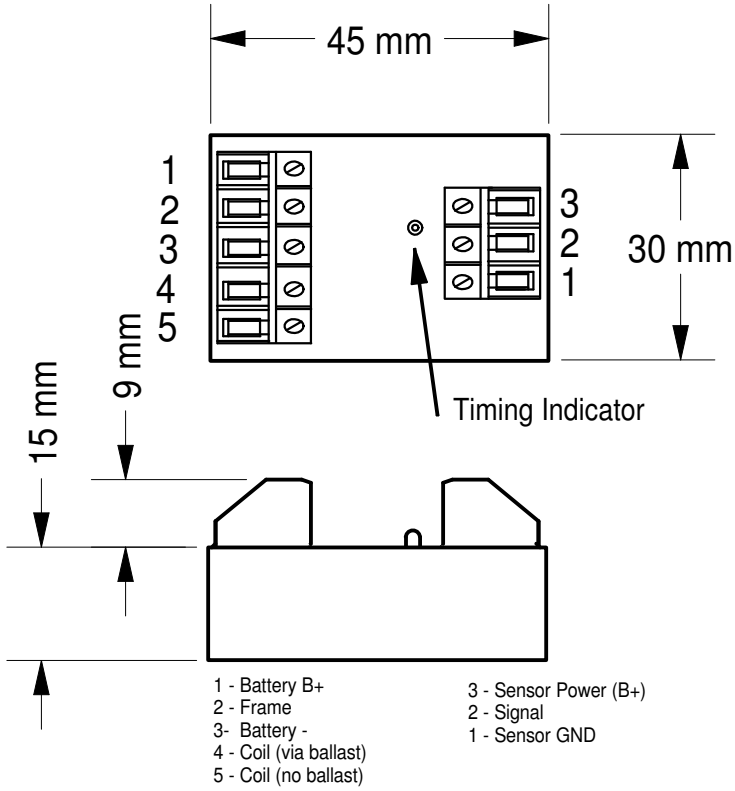
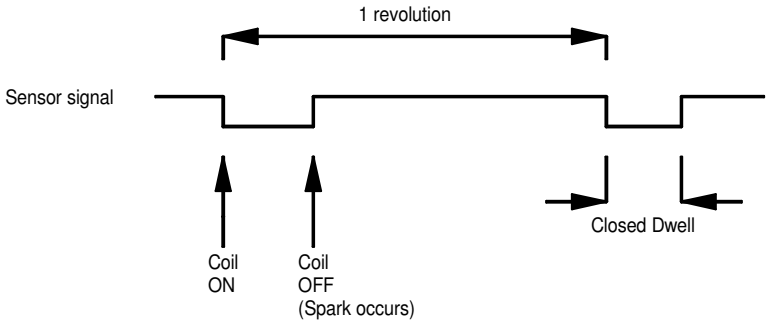
Wiring Diagram



Outline Drawing and Data





Supply voltage range 4.5V to 12V, maximum 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.
Use the internal 0.5 ohm ballast resistor on terminal 4 and a 6 volt battery with Minimag coils.
Dwell
Very important! To ensure sufficient spark energy, arrange closed dwell to be about
1 millisecond at maximum desired RPM. A longer dwell won't harm, it just wastes power.
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 1ms closed dwell, so sensor needs to be active for
1/10 x 360 = 36 degrees

DRWN jk	CHKD		Date 20 June, 2010	**Minimag Co.**	Minimag Ignition Controller Type-1
DRWG 1 of 1			File MIC1.fcw REV1	**Lingfield, Surrey. Made in England**	Outline & Connections