

# Sparkrite SX4000

## ***What is the Sparkrite SX4000?***

The Sparkrite SX4000 is an Electronic Ignition system that can be fitted to any 12 Volt negative earth points ignition system. In minutes this will give the benefits of increased spark voltage and power, that comes from electronic ignition, without removing the original points and condenser. In addition, this system can be switched back to running on points at the flick of a switch, so you have the reassurance of points back up if any problems should occur.

## ***How Does the Sparkrite SX4000 work?***

In a traditional points system, the points have to carry the full voltage of the ignition system.

The point's gap is critical as it determines the dwell time for the coil. This is the time the coil is connected to ground allowing it to charge between each firing, every time the points open and close a spark can often be observed, this can cause damage to the contact surface leading to failure. In addition the point's heel is constantly wearing closing the point's gap and altering the dwell causing reduced performance.

The Sparkrite SX4000 diverts the high electrical current away from the points and controls the dwell time electronically, constantly adjusting and giving the correct dwell time. The points now only having to deal with a tiny current will not burn and will last indefinitely. The point's gap now only needs to be roughly correct, as dwell is now electronically controlled. It will only need very occasional adjustment to take up any wear of the heel.

## ***To Connect:***

A suitable position should be located as far away from any heat source as possible

1. The red wire should be connected to 12 Volts. The positive side of the coil can be used. Or any 12 Volt supply controlled by ignition.
2. The White wire should be connected to a good Earth
3. Remove the wire from the negative side of coil that runs to the Distributor and connect this to the Blue wire
4. The Black wire should now be connected to the negative side of coil
5. The Unit has 2 LEDs  
Green LED only = Power on  
Green Led only with engine Running = Points ignition  
Green (10 seconds only) and then Red LED only with engine Running = Electronic ignition.
6. Switch  
O = Electronic Ignition  
I = Points Ignition

UNDER NO CIRCUMSTANCES SHOULD THE IGNITION BE SWITCHED WHILE THE ENGINE IS RUNNING. Switching from points to electronic should be done with ignition off.