Comprising:

a) Transistor Box (BLUE BOX with five wires)  
   b) Stator Plate (round printed circuit board with two coils)  
   c) Magnetic Rotor (round plated steel unit with three magnets)  
   d) 1.25" x 0.25" UNF caphead screw and washer  
   e) 1 dual output digital coil & 1 single output digital coil

7) The machine has 6 Volt coils as standard and it will also have a ballast resistor fitted in the circuit.

8) If the machine has a very different layout of electrical components the system can still be fitted provided the circuit diagram is followed.

General Data:

1) All ignition coils are switched together, thus any problem on one cylinder can only be due to the ignition coil, HT lead, spark plug or the mechanics of that cylinder.

2) Either the coils can be run directly from a rectifier, zener diode & capacitor system, provided the supply voltage does not exceed 16 Volts. The best method is to use a BOYER SINGLE PHASE POWER BOX this replaces these components.(Kick starting will not work)

3) If an electronic rev-counter is to be operated from this system, the feed must be taken from the negative (-) black wire from the ignition box.

4) This system can be run negative earth on special machines, but the coils must always be fed from the positive (+).

5) If the battery voltage drops below 8 Volts the unit will stop triggering.

6) Suppressor HT leads can go high resistance and give general bad running. If this is suspected they should be changed for copper-cored leads and 5000 ohm suppressor caps. With this system non-suppressed caps cannot be used.

7) The T160 machine has 6 Volt coils as standard and it will also have a ballast resistor fitted in the circuit.

This must be removed and the white ignition box wire connected to the live wire feeding it with the ignition on.

8) If the machine has a very different layout of electrical components the system can still be fitted provided the circuit diagram is followed.
WARNING
HIGH VOLTAGES DEVELOPED FROM THIS SYSTEM CAN BE VERY DANGEROUS
ALWAYS SWITCH OFF BEFORE WORKING ON THE SYSTEM.

Fig. 1. Wiring Diagram

Micro-Power Transistor Box
Box 00236

BY = Black/Yellow
BW = Black/White
WY = White/Yellow
W = White

Digital Coils
Mount in a convenient place with some airflow for cooling.

No earthing or heatsink required.

Use suppressed spark plug caps and copper core H.T leads.

Fig. 2. Rotor Diagram

A magnets width

Fig. 3. Stator Diagram

Adjust the rotor angle until the magnet trailing edge is just appearing through the timing hole.

Circuit Diagram

Micro-MkIV TRI/BSA 3-Cylinder - Positive Earth Circuit
(Most British Bikes)