The AVS30 micro is an Automatic Voltage Switcher rated at 30 Amps. The AVS will switch off the equipment connected to it if the mains power goes outside pre-set acceptable limits, and will reconnect automatically when the mains power returns to normal. Reconnection takes place after a delay, to ensure stability of the mains.

The new version of the AVS30 has a built-in microprocessor that adds advanced features. These include:

- Variable Blind time. Response time to under voltage disconnect (See P2)
- Variable High voltage disconnect level (See P4)
- Variable Low voltage disconnect level (See P3)
- Variable time delay (see P1 in diagram 2)
- By-pass the wait time, press the reset button on the front panel of the AVS30.
- Variable ‘Wait’ control) while the AVS monitors the mains.
- The AVS30 Micro has a reset button on the front panel. This button will eliminate the delay time.
- 5 LEDs to indicate the state of the mains supply.

By adding microprocessor control to the AVS30, you can enjoy advanced functions which include:

1. The limits of the AVS as a standard are set for a window of 190-260 volts.
2. The limits for the load. It is a spike protection fuse. Replace if it gets damaged. (0.5A Anti Surge).
3. The AVS has to be wired to the mains supply and to the equipment it is supplying. Please refer to the wiring diagram on diagram 2 below.
4. On first switching on, there will be no output for the wait time of approximately three minutes (or as set on the ‘Wait’ control) while the AVS monitors the mains.
5. If a different wait time is required, then change the settings on potentiometer marked ‘Wait’. Settings are available in increments up to 10 minutes.
6. To by-pass the wait time, press the re-set button on the front panel of the AVS30.
7. The AVS30 Micro is a reset button on the front panel. This button will eliminate the delay time.

**NOTES:**

- In the upper compartment of the AVS, you will find a fuse (see diagram below). The fuse is not for the load. It is a spike protection fuse. Replace it if it gets damaged. (0.5A Anti Surge).
- The AVS must be installed on a wall, and then made secure using the two mounting holes in the terminal compartment.
- The AVS must be connected to the mains supply at all times. Make sure it is not for the load. It is a spike protection fuse. Replace it if it gets damaged. (0.5A Anti Surge).
- It is recommended that the AVS is kept switched on, and the appliance switched on and off to prevent activating the time delay every time the appliance is switched on.

**OPERATION:**

1. Make sure that your load does not exceed the rating of the AVS which is 30Amps.
2. The limits of the AVS as a standard are set for a window of 190-260 volts.
3. The AVS has to be wired to the mains supply and to the equipment it is supplying. Please refer to the wiring diagram on diagram 2 below.
4. On first switching on, there will be no output for the wait time of approximately three minutes (or as set on the ‘Wait’ control) while the AVS monitors the mains.
5. If a different wait time is required, then change the settings on potentiometer marked ‘Wait’. Settings are available in increments up to 10 minutes.
6. To by-pass the wait time, press the re-set button on the front panel of the AVS30.
7. The AVS has to be wired to the mains supply and to the equipment it is supplying. Please refer to the wiring diagram on diagram 2 below.
8. If a different wait time is required, then change the settings on potentiometer marked ‘Wait’. Settings are available in increments up to 10 minutes.
9. You can also set the WDT (Wait to Diag) to MANUAL. While on MANUAL the AVS30 will not reconnect the mains unless the reset button is pressed. For that period the yellow LED indicates that the mains are within acceptable limits, after which the green LED goes on and the load is connected.
10. It is recommended that the AVS is kept switched on, and the appliance switched on and off to prevent activating the time delay every time the appliance is switched on.

**DIAGRAM 1. AVS30 LOCATION OF SPICE PROTECTION FUSE**

**DIAGRAM 2. AVS30 CONNECTION TERMINALS LAYOUT**