

Model No: **TR1000.V3, TR1500.V3, TR2000.V3 & TR3000.V3**



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

WARNING! It is the user's responsibility to read, understand and comply with the following:

You must check all electrical equipment and appliances to ensure they are safe before using. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. **You must** also read and understand the following instructions concerning electrical safety.

1.1.1. The **Electricity At Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year (see para.2.7).

1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**

1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).

1.1.4. Ensure that cables are always protected against short circuit and overload.

1.1.5. Regularly inspect power supply, leads, plugs for wear and damage and all electrical connections to ensure that none is loose.

1.1.6. **Important:** Ensure the voltage marked on the product is the same as the electrical power supply to be used and check that plugs are fitted with the correct capacity fuse. A 13 amp plug may require a fuse smaller than 13 amps for certain products, see fuse rating at right.

1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.

1.1.8. DO NOT pull plugs from sockets by the power cable.

1.1.9. DO NOT use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely). (UK only - see diagram at right). **Ensure the unit is correctly earthed via a three-pin plug.**

a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**

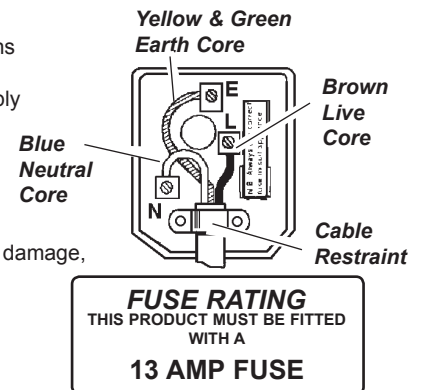
b) **Connect the BROWN live wire to live terminal 'L'.**

c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**

After wiring, check there are no bare wires, that all wires have been correctly connected, that cable outer insulation extends beyond the cable restraint and that the restraint is tight.

Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol . **To re-wire, connect the brown & blue wires as indicated above. DO NOT connect the brown or blue to the earth terminal.**

1.1.10. Some products require more than a 13 amp electrical supply. In such a case, NO plug will be fitted. **You must** contact a qualified electrician to ensure a 30 amp fused supply is available. We recommend you discuss the installation of a industrial round pin plug and socket with your electrician.



1.2 GENERAL SAFETY

WARNING! Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this transformer.

✓ Familiarise yourself with the application and limitations of the transformer, as well as the potential hazards.

✗ **WARNING!** Disconnect the transformer from the mains power before performing any maintenance.

✓ Maintain the transformer in good condition (use an authorised service agent).

✓ Replace or repair damaged parts. Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.

✗ **WARNING! DO NOT** connect to mains if any parts are damaged or missing as this may cause failure and/or personal injury.

✓ Keep the transformer clean for best and safest performance.

✓ Keep children and unauthorised persons away from the working area.

✗ **DO NOT** use the transformer for any purpose other than that for which it is designed.

✗ **DO NOT** exceed the rated capacity of the transformer.

✗ **DO NOT** allow untrained persons to use the transformer.

✗ **DO NOT** use the transformer when you are tired, under the influence of alcohol, drugs or intoxicating medication.

✗ **DO NOT** pull the plug from the power supply by the cable.

✓ When not in use unplug from the mains power supply and store in a safe, dry, childproof area.

2. SPECIFIC SAFETY & USAGE

- 2.1. The Tool Rating (kVA) marked on the transformer data plate is the rating assuming a 25% duty factor on a 20 minute cycle i.e. 5 minutes equipment use followed by 15 minutes rest.
- 2.2. Check the equipment rating **and operation** against the transformer rating. The transformer will supply intermittently used equipment up to the plate rating but if the equipment is used continuously then the transformer rating should be halved. See Section 3.
- 2.3. It is normal for the transformer to get warm during use, particularly if being used continuously, so care should be taken to place only on surfaces that will not be damaged by the heat.
- 2.4. A temperature sensitive cut-out switch is fitted to prevent overheating. If this switch trips, determine and rectify the cause of overheating and allow time for the transformer to cool before pressing the reset button. (Located on one of the sides adjacent to the output sockets)
- 2.5. The transformer should be plugged directly into a 230V mains socket and should not be supplied via an extension lead. Any necessary extension lead should be between the transformer and the tool/equipment. Extension leads are available from your Sealey dealer.
- 2.6. The transformer is not double insulated and the safety screen between primary (230V) and secondary (110V) windings is connected to the earth core of the power cable. For these reasons it is extremely important to confirm that the power socket to be used is reliably and permanently earthed.
- 2.7. Tool transformers can draw a very high initial current when switched on. If fuse failure occurs at switch-on check that the fuse is a 13 amp, anti-surge type. Any circuit breaker protecting the supply socket should have a type 4 tripping characteristic.
- 2.8. **DO NOT** exceed 1.5kV when flash testing.
- 2.9. A plug suitable for the transformer output is available from your supplier under Sealey Model No: TR110VP.

3. SPECIFICATIONS

MODEL NO:	TR1000.V3	TR1500.V3	TR2000.V3	TR3000.V3
Input Voltage - 1ph AC	230	230	230	230
Output Voltage - 1ph AC	110	110	110	110
Output Rating - (VA) Tool (Intermittent)	1000	1500	2000	3000
Output Rating - (VA) Continuous	500	750	1000	1500
Output Sockets	1	2	2	2

