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PORTABLE TOOL TRANSFORMERS SAFETY INSTRUCTIONS

Manufactured to BSEN 61558

1. Read all of these instructions before you use the transformer
2. These transformers are designed to provide mains isolation and reduce the mains voltage to a lower, safer value
3. Check the transformer case, plug and cable for signs of damage before use. Do not use if any damage is discovered
4. Check the transformer rating against the power usage of the equipment you are going to use
5. These transformers are rated for intermittent operation at their maximum listed power capability for a duty cycle of 25%. i.e. 5 minutes “ON” 15 minutes “OFF”.
6. These transformers may be used in a continuous operation mode at a rating of 50% of their maximum capability. e.g. a 3.3kVA unit may be operated continuously at 1.65kVA
7. During normal operation these units will become warm. Ensure the transformer will not damage any floor covering it is standing on. It is not advisable to stand the unit on carpets, vinyl floor covering or other surface materials that may be prone to heat damage
8. This unit is fitted with a thermal trip device to protect against overload and short circuit
9. In the event of a short circuit to the output remove the cause of the fault before pressing the reset button on the thermal trip
10. In the event of an overload trip allow the unit to cool for at least 15 minutes before pressing the reset button
11. Units rated up to 3.3kVA are fitted with a BS 1363 UK mains domestic style input plug and mains lead. Units above this rating are fitted with a 3 core 2.5mm² mains cable, a suitably rated plug should be fitted compatible with the supply sockets. The earth on the input plug must always be connected for complete safety to the output
12. The 110V output of the transformer has a centre tap that has been connected to the incoming earth lead
13. These units are Class 1 insulated and must not be tested on Portable Appliance Testers (PAT) as Class 2 double insulated products. Flash test only at 1.5kV between input and earth ***DO NOT*** flash test output to earth
14. Transformers have an inherent high in-rush current at switch on. In the event of a supply fuse blowing check that the replacement is a suitably rated anti-surge type. Miniature Circuit Breakers (MCB’s) protecting sockets should have a type C or D tripping characteristic
15. These units are protected against the ingress of solid and liquid contaminants to IP44.
16. If the external flexible cable or cord of this transformer is damaged, it shall be replaced by the manufacturer or their service agent, or a similarly qualified person in order to avoid hazard
17. In the event of changing the input plug for connection to an alternative type of mains supply socket adopt the following wiring convention

Live	Brown Wire
Neutral	Blue Wire
Earth	Green / Yellow Wire

Ensure that such wiring is carried out by suitably qualified personnel

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EC DECLARATION OF CONFORMITY CE

Carroll & Meynell declare its sole responsibility for this portable tool transformer meets the basic safety requirements of European directives

1. Low Voltage Directive – 2014/35/EU
2. REACH – Regulation (EC) No 1907/2006
3. RoHS – Restriction of Hazardous Substances – Directive – 2011/65/EU
4. Waste Electrical and Electronic Equipment Directive – 2012/19/EU

and any amendments.

The conformity assessment is based on the following harmonised standards

BS EN 61558

Name: Mohammed Khan

Title: Quality, Health & Safety Engineer

Signature: *Mohammed Khan*

Date: 10-Feb-2025

On behalf of CARROLL & MEYNELL Transformers Limited

CE