PORTABLE STEP-DOWN AUTOTRANSFORMERS SAFETY INSTRUCTIONS

Manufactured to BS7453 / IEC60989

CARROLL & MEYNELL TRANSFORMERS LIMITED

Models CM1000/A/US CM2000/A/US CM3000/A/US

1. Read all of these instructions before you use the transformer
2. These transformers are ***NOT*** designed to provide mains isolation
3. These transformers are designed to power electrical products designed to operate on US single phase supplies. **Note however that the transformers *DO NOT* convert the European 50Hz AC to the 60Hz US supply frequency.** Care should always be taken to ensure the operation of the electrical appliance you wish to power is not frequency sensitive. If unsure consult the appliance manufacturer
4. Check the transformer case, plug and cable for signs of damage before use. Do not use if any damage is discovered
5. Check the transformer rating against the power usage of the equipment you are going to use
6. These transformers may be used in a continuous operation mode at their specified rating
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 etc
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. These units are fitted with a BS 1363 UK mains domestic style input plug and mains lead. The earth on the input plug must always be connected for complete safety to the output
12. These units are fitted with NEMA type 5-15R output sockets
13. These units must not be tested on Portable Appliance Testers (PAT) as Class 2 double insulated products. Flash test only at 1.5kV between earth and live. ***DO NOT*** flash test between input and output
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 IP20
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
18. Note. The UK BS1363 style plug and socket have clearly defined live and neutral polarity on the pins, this is not the case with some other types of European mains plugs and sockets. When re-wiring for such systems extreme care has to be taken to ensure the correct polarity to the unit or the output can give 115V to 230V instead of 0V to 115V