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FLOOR STANDING ISOLATING TRANSFORMER INSTALLATION AND SAFETY INSTRUCTIONS

Manufactured to BSEN 61558
CM10000/FM0/230

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 continuous operation mode
6. Transformers marked 230V input should be connected to a single phase 230V supply.
   Check the transformer input matches the available supply.
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. These units may be either hard wired to an electrical junction box or may be fitted with input leads and plugs. Ensure the input plug is a suitably rated industrial style plug. The earth on the input plug must always be connected for complete safety to the output.
9. These units are designed for the equipment they are to power to be hard wired to the internal terminals on the output of the transformer. The earth lead must be connected for complete safety.
10. The 110V output of the transformer has a centre tap that has been connected to the incoming earth lead giving a 55V – 0 – 55V supply. The centre tap connection has been made with a removable link so the unit can be converted to a straight 0 – 110V supply. When converting ensure the label is marked to indicate the conversion
11. Connection leads should be secured through the walls of the enclosure with cable glands to prevent damage
12. Secure the wall panels and the lid of the enclosure after wiring before using the unit
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 IP22 and are not designated for outdoor installation.
16. In the event of connecting an input lead/plug 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 model: **CM10000/FM0/230** single phase isolation 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

Country of Origin - United Kingdom

Name: Karen Shovelin

Title: Quality health & Safety Manager

Signature: *Karen Shovelin*

Date: 15/08/2019

On behalf of CARROLL & MEYNELL Transformers Limited

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