

## WALL MOUNTING ISOLATING TRANSFORMER WITH SOCKETS INSTALLATION AND SAFETY INSTRUCTIONS

Manufactured to BSEN 61588  
CM5000/WM4

1. Read all of these instructions before you use the transformer
2. These transformers are designed to provide mains isolation and reduce the main voltage to a lower, safer value
3. Check the transformer case for signs of damage before use. Do not use if damage is discovered.
4. Check the transformer rating against the power usage of the equipment to be used.
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 5.0kVA unit may be operated continuously at 2.5kVA
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 may be either hard wired to an electrical junction box or may be fitted with input leads and plugs. Units rated above 3.3kVA should not use 13A domestic plugs but be fitted with a suitably rated industrial style plug. The earth on the input plug must always be connected for complete safety to the output
12. These units are designed for the equipment they are to power to be plugged into the BS EN sockets provided. The earth lead on the equipment plug must be connected for complete safety.
13. Input leads should be secured through the walls of the enclosure with cable glands to prevent damage
14. Secure the wall panels and lid of the enclosure after wiring before using the unit
15. 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
16. 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
17. These units are protected against ingress of solid and liquid contaminants to IP22 and are not designated for outdoor installation.
18. In the event of connecting an input lead and 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

Carroll & Meynell declare its sole responsibility for model: **CM5000/WM4** single isolation transformer (open style) 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

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On behalf of CARROLL & MEYNELL Transformers Limited

