

### EVENTUALLY, YOU MAY WANT TO REPLACE THIS TRANSFORMER:

When your transformer comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste, please recycle where facilities exist. When you need to dispose of this transformer, check with your retailer or local authority for suitable options. New regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005-UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ



### IF YOU EXPERIENCE PROBLEMS:

If your transformer is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna Lighting product but may not be able to give specific instructions regarding individual installations.

**If in doubt, consult a qualified electrician.**



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#### HELPLINE:

• T: 01933 673 144  
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## SAFETY AND INSTALLATION INSTRUCTIONS



BS EN 61558-2-8  
BELL TRANSFORMER  
INPUT 230V~ 50/60Hz  
OUTPUT 4-8-12V~(1A)  
  

#### Pack contents:

Bell transformer x 1  
Fixing screws x 4  
Wall plugs x 4

## Model: BT4812 Multi Voltage Bell / Chime Transformer

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE USING YOUR NEW FITTING  
PLEASE RETAIN FOR FUTURE REFERENCE**

## General Information and Safety Instructions:

### READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

**This transformer must be installed by a competent person in accordance with the Building Regulations** making reference to the current edition of the IEE Wiring Regulations (BS7671). The Building Regulations may be obtained from OPSI (Office for Public Sector Information) or the department of Communities and Local Government and viewed and downloaded from [www.communities.gov.uk](http://www.communities.gov.uk) following the link for Building Regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this transformer is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

If in any doubt, consult a qualified electrician.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service. Use of this transformer for any other than its intended purpose, may result in a foreshortened working life.

Switch off the mains before commencing installation and remove the appropriate circuit fuse.

When working at heights, please use a suitable platform.

Do not overload the transformer; check that the total load does not exceed the maximum marked on the transformer.

Disconnect the transformer from the electrical supply before flash or high voltage testing.

Suitable for indoor use only.

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard, masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

The chosen location of your new transformer should allow for the product to be securely mounted and safely connected to the mains supply.

Do not cover the transformer with any insulating materials.

Ensure that the transformer will be accessible after installation for maintenance or replacement.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

If the location of your new transformer requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations making reference to the current edition of the IEE Wiring Regulations (BS7671).

This product is designed for permanent connection to fixed wiring: this should be either a suitable circuit (protected with a 5 or 6 Amp MCB or fuse) or a fused spur (with a 3 Amp fuse) via a fused connection unit. We recommend that the supply incorporates a switch for ease of operation.

Make connections to the electrical supply in accordance with the following code:  
Live - Brown or Red  
Neutral - Blue or Black

This transformer is double insulated, and the transformer output is SELV (Safety Extra Low Voltage). Do not connect any part to earth.

When making connections, ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation. Wrap loose terminal blocks well with insulating tape.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out: these tests are specified in the Wiring Regulations (BS7671) referred to in the Building Regulations. If in doubt, consult a qualified electrician.

## Installation, Cleaning and Specification:

### INSTALLATION:

- 1) Choose the location for your new transformer giving consideration to each of the points opposite.
- 2) Loosen the screw on the front of the case and lift off the top.
- 3) Remove the fixing kit.
- 4) Using the rear of the case as a template, mark the fixing holes on the mounting surface.
- 5) Secure the transformer in place using the fixings supplied. If the fixings are not appropriate for your installation use suitable alternatives.
- 6) Make the connections to your bell and/or bell push according to the instructions supplied with them. Check the Voltage required by your bell/sounder and connect to the terminals as shown in fig.1 below.
- 7) Make the connections to the mains supply as detailed above.
- 8) Replace the front of the case.
- 9) Restore the power supply and switch on.

### CLEANING:

- Clean this transformer only with a soft dry cloth
- Do not use any chemical or abrasive cleaners.

### SPECIFICATION:

<b>Supply Voltage:</b>	<b>240V</b>	<b>50Hz</b>
<b>Output Voltage:</b>	4V	50Hz or
	8V	50Hz or
	12V	50Hz
<b>Maximum Current:</b>	1A	

**Fig 1** DIAGRAMS BELOW SHOW HOW TO CONNECT TO THE CORRECT VOLTAGE

