



## INSTALLATION INSTRUCTIONS

### A guide for qualified electricians



**Pack contents:**  
1 x Bell transformer  
4 x Fixing screws  
4 x Wall plugs

Model:  
**BT4812**

### Multi Voltage Bell / Chime Transformer

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION  
AND RETAIN FOR FUTURE REFERENCE**

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

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.

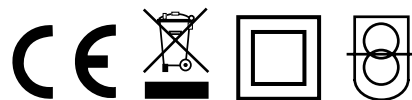
WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

#### CLEANING:

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

#### IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Visit our website: [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

Made in China

Issue 0915

## 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).

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.

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.

## 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 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.

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

**THIS PRODUCT IS DESIGNED FOR DOMESTIC INSTALLATION UP TO 15M RANGE**

## DIAGRAMS BELOW SHOW HOW TO CONNECT TO THE CORRECT VOLTAGE

