

## INSTALLATION INSTRUCTIONS

### A guide for qualified electricians

#### 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.

#### TECHNICAL INFORMATION:

Supply Voltage:	230V AC
Resistive load:	10A
Inductive load:	3A
Wattage:	Max. 250W LED (no more than 8 lights)
Time on adjustable:	Between 1-8 hours or dusk to dawn
Lux adjustable:	Between 5-300 lux

#### ENERGY EFFICIENCY:

This product is suitable for use with low energy bulbs. Please use a low energy lamp wherever possible.

This product has adjustable settings. Adjust the timer so that the light is only on when required.

#### CLEANING:

Disconnect the power and clean the exterior only of this fitting with a moist (not wet) 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.



#### Pack contents:

1 x Fitting  
1 x Fixing kit

Model:

# RDT10A

## Photoelectric Switch with Timer

These instructions are provided as a guideline to assist you.

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

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

## 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 photoelectric timer 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 photoelectric timer 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.

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 timer; check that the total Wattage of all fittings does not exceed the maximum marked on the timer.

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

Suitable for outdoor use.

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

Select an open area for installation where artificial light (especially the controlled load) will not enter the window on the front of the unit.

The chosen location of your new timer should allow for the product to be securely and safely connected to the mains supply (lighting circuit).

If the location of your new timer 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 lighting 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.

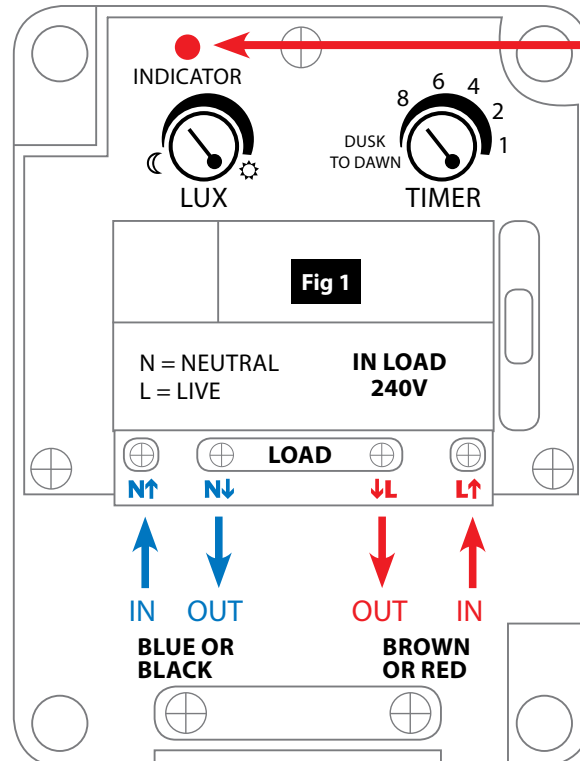
Make connections to the electrical supply in accordance with the following code and diagram:

Live - Brown or Red  
Neutral - Blue or Black

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.

This timer is double insulated; do not connect any part to earth.

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:

01. Choose the location for your timer according to the conditions above.
02. Undo the screws in each corner of the front of the timer and lift off the lid.
03. Mark the positions of the fixing holes at 2 of the corners
04. Prepare the fixing holes and insert wall plugs if necessary.
05. Secure the rear half of the case to the wall using suitable fixings.
06. Make the electrical connections to the colour code: Live - Brown or Red, Neutral - Blue or Black. Also refer to Fig. 1 opposite.
07. Install light fittings and make connections according to the manufacturers instructions.
08. Restore the mains power.
09. When the timer is initially energised the

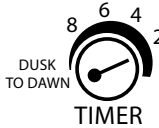
**LIGHT FITTING & RED INDICATOR WILL FLASH THREE TIMES**




10. Adjust the lux control screw to the desired setting.  
Minimum setting (☾) approx 5 lux  
Maximum setting (☀) approx 300 lux
11. Adjust the timer control screw to desired setting between 1 and 8 hours or dusk to dawn setting.

**THE RED INDICATOR WILL FLASH ONCE IF THE TIMER IS SET FOR 1 HOUR, TWICE FOR 2 HOURS AND SO ON.**

**IN THE CASE OF THE DUSK TO DAWN SETTING THE RED INDICATOR WILL FLASH RAPIDLY TEN TIMES.**



**NOTE:** When the dusk to dawn setting is selected on the timer dial, the moon setting needs to be selected on the lux dial.



12. Check gaskets are correctly positioned before closing lid.
13. Replace cover and tighten screws being careful not to over tighten.

When the set lux level has been reached the LED indicator will illuminate indicating that the load will be switched on in approximately 60 seconds.

The light fitting will be switched on and will remain on for the set time period or until dawn if the "dusk to dawn" setting has been selected.

## PLEASE NOTE:

When the load is switched on and the intensity of another light source exceeds the off lux value the load will be switched off after approximately 60 seconds and the timer will stop counting back to the set switch off time period. If the other light source is eliminated within approx 10 minutes the load will be switched on again and the timer will restart counting back to the set switch off time period.

During the timed period the electronic timer will be reset (i.e will return to the start of the set time period) if power is interrupted for more than 2 seconds.