

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.

Specification:

Power rating: 10A Resistive or 3A Inductive load
Supply Voltage: 240V
Timer: 1—8 Hours or Dusk to Dawn setting
Lux level: 5—300 approx
Switching delay: 60 sec approx
Size: 110 mm x 68 mm x 38 mm

Eventually, you may want to replace this fitting:

When your fitting comes to the end of it's 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 fitting, check with your retailer or local authority for suitable options. New regulations will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).



If you experience problems:

If your Photoelectric switch 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.**

Help line:

Tel: 01933 673 144 Fax: 01933 678 083 Email: sales@eterna-lighting.co.uk
For answers to frequently asked questions (FAQs) and other information visit our web-site www.eterna-lighting.co.uk



IMPORTANT !

Safety and Installation instructions

Photoelectric Switch with Timer

Model(s)
RDT10A

Pack contents:

Photoelectric Switch 1

**PLEASE READ THESE INSTRUCTIONS BEFORE
INSTALLING YOUR NEW FITTING**

PLEASE RETAIN FOR FUTURE REFERENCE

Read this first:

- > **This fitting must be installed in accordance with the Building Regulations.** These may be obtained from HMSO or viewed and downloaded from www.odpm.gov.uk following the link for Building Regulations.
- > **If in any doubt, consult a qualified electrician.**
- > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- > Suitable for outdoor use.
- > This product is suitable for installation on surfaces with normal flammability (indicated by the "F" in a triangle) 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.
- > Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).
- > If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations.
- > Make connections to the electrical supply in accordance with the following code:
Live - Brown or Red
Neutral - Blue or Black
- > This fitting 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. If in doubt, consult a qualified electrician.

Installation:

- 1) Select an open area for installation where artificial light (especially the controlled load) will not enter the window on the front of the unit.
- 2) Release the four screws in the front and remove the front panel.
- 3) Mark the fixing points using the case as a template.
- 4) The power and switching cables can be fitted by making small holes in the cable entry grommet or through the knock outs in the rear panel.
- 5) If using the knock outs suitable cable entry glands should be used to preserve the IP rating.
- 6) Secure the cables under the cable clamp which is fitted with 2 screws.
- 7) Connect the supply cables to the L in & N in terminals and the lighting load to the L out & N out terminals.
- 8) Ensure that the connections are secure and there are no "whiskers" or bare wires free of the terminals.
- 9) Fit the product to the mounting surface using fixings suitable for the installation.
- 10) Restore the power, the load will flash 3 times and then go off when power is first applied.
- 11) Adjust the Lux and Timer controls to suit the individual installation.
- 12) Replace the front cover ensuring that the thin gasket is in place to preserve the IP rating and tighten the four screws.

Safety markings:



- 13) When the set Lux level has been reached the LED illuminates to indicate that the load will be switched on in 60 seconds (approx).
- 14) The LED flashes once if the timer is set for one hour, twice for between one and two hours and up to 8 times for between 7 and 8 hours.
- 15) In the case of Dusk to Dawn setting the LED will flash rapidly nine times.

Please note the following:

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 extinguished within 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) under the following conditions:

1. If the Lux value exceeds the switch off value for more than 10 minutes.
2. The power is interrupted for more than 2 seconds.

Lux Adjustment Guide

Lux Setting	Load On Value	Load Off Value	Timer Reset Value
☾ Min	Approx. 5 lux	Approx. 25 lux	Approx. 60 lux
☼ Max	Approx 300 lux	Approx. 500 lux	Approx. 800 lux

RDT10A - Photoelectric Switch with Timer 050706KS