ECO CFL Flood Light
with Photocell

Model: ECO1DD
Model: ECO2DD
Model: ECO3DD

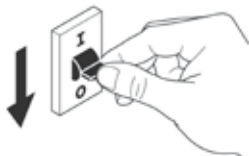TIME GUARD
LIMITED
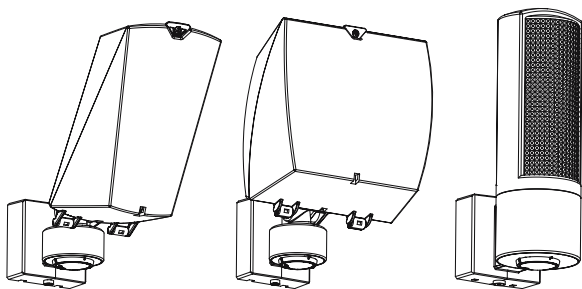
1

20W

2x
4 x 32mm

2x
6 x 30mm

2

3

4

N Ø L L'

TOP

60mm

ø 6mm

35mm

5

N **L**

6

2
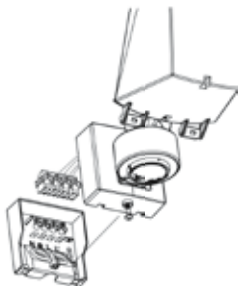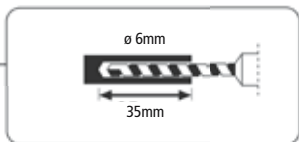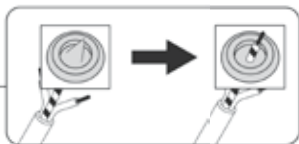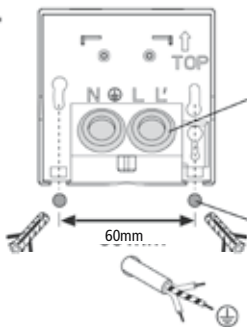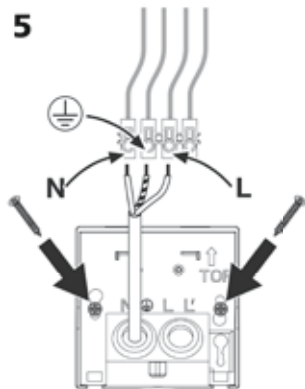
7

Slaving
For ECO CFL
Flood Light Uncontrolled Unit only

N **L'**

8 For ECO1DD & ECO2DD only

23W Max

9

PAN 30°

Tilt 60°
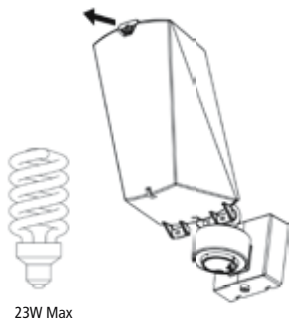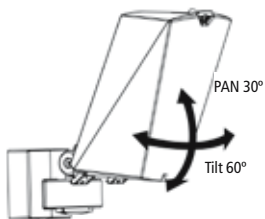
For ECO1DD & ECO2DD only

10

23W Max

②

①

For ECO3DD only

11

Time control	Dusk (LUX) control

1Hour   12 Hours

HRS   HRS

3
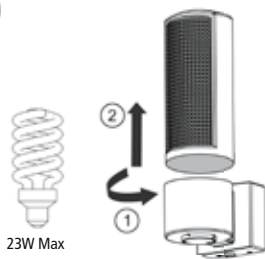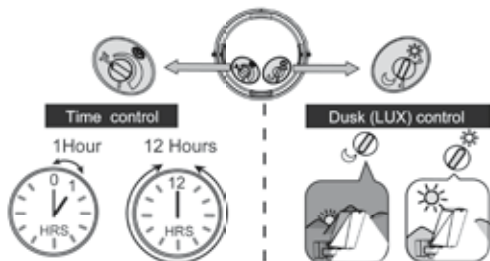
12

Lamp turns
ON at night.

Lamp turns
ON at day & night.

1. General Information

This floodlight features an integral daylight sensing motion which will automatically switch the light on based on environment lux level and at a time set by the user.

Unit is for outdoor use only. Unit must be mounted as a fixed luminaire, and is not suitable for portable use.

2. Parts Included

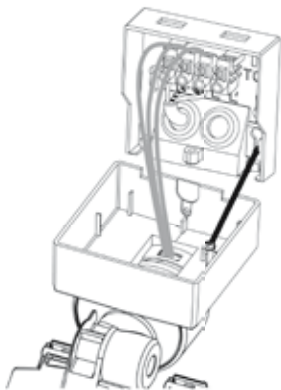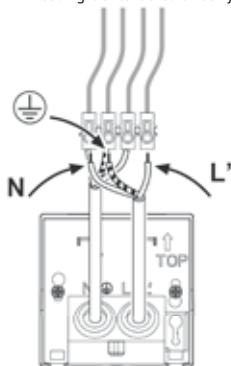- Low Energy Floodlight with photocell sensor.
- Instruction manual. Please keep safe for future reference.
- Accessory Pack including screws and wall plugs.
- 1pc. 20W low energy Compact Fluorescent Light. (For ECO1DD & ECO3DD)
- 2pcs 20W low energy Compact Fluorescent Light. (For ECO2DD)

3. Tools & Parts Needed

- 3 flexible core cable (1.0mm² or 1.5mm²).
- Electric/hand-held drill & bits.
- Terminal or Electricians screwdriver.
- Wire cutters.

Do not attempt to install during wet weather, if you are suffering from nausea or dizzy spells or on medication with similar side effects.

No User Serviceable Parts Inside

4. Installation

IMPORTANT
Switch off the electricity at the fuse box by removing the relevant fuse or switching off the circuit breaker before proceeding with the installation (Diagram 2).

After choosing a suitable location install the unit as follows:

The unit is suitable for connection to a 240 V ac 50Hz electricity supply. It is suggested that 3-core round flexible cable of 1mm² or 1.5mm² gauge is used. An internal switch should be installed to switch the power to the unit .

This allows the unit to be easily switched off when not required or for maintenance purposes.

This unit uses an integral wall fixing plate, detach the wall fixing plate by unscrewing and release but do not remove the fixing screw on the underside of the wall plate (Diagram 3).

Mark the position of the wall fixing holes (60mm). Ensure the wall plate is correctly positioned. Note the "UP" indent on the inside of the wall plate . Drill the holes, insert the wall plate into the holes.

Pierce and pass the cable through the grommet before securing the wall plate to the wall.

It is recommended that the grommet is pierced with a screwdriver to ensure a better seal. (Diagram 4).

Fix the wall plate to the wall with screws provided . Connect the cable to the terminal block on the unit as follows (Diagram 5):

Neutral (Blue)	**N**
EARTH (Green/ Yellow)	$\oplus$
LIVE (Brown)	**L'**

Ensure Connections are secure.

The unit is supplied with a hanging attachment (tether) to aid installation. Ensure the tether is securely fixed into the slot before releasing the weight of the unit. (Diagram 6)

To connect another unit of floodlight , connect the looping power cable to the terminal block on the master unit as follows (Diagram 7):

Neutral (Blue)	**N**
EARTH (Green/ Yellow)	⏚
LIVE (Brown)	**L'**

Fit the floodlight to the bracket by inserting the catch in the floodlight into the recess at the top of the wall plate and locating the floodlight securely over the wall plate. Fit and fully secure the locating screw (Diagram 3).

For ECO1DD & ECO2DD

To fit the CFL, release but do not remove the screw on the front cover of the floodlight, open and rotate down but do not separate from the main floodlight body. (Diagram 8)

For ECO3DD

To fit the bulb, turn the lamp enclosure 180 anti-clockwise to release from the bayonet lock. (Diagram 10)

Remove the bulbs from its packaging and fit into the lampholders. Ensure the bulb is fully secured into the lampholder and the support bracket is located around the bulb.

Close the front cover, ensure the screw is fully tighten.

This floodlight uses a universal joint, it can be directed to suit your installation by rotating the floodlight left to right and up or down. (Diagram 9)

5. Operation and Testing

Setting Up For Automatic Operation

The Sensor Head can be panned 90 degree to left and 90 degree to the right. (Diagram 10)

The adjustment controls on the unit (Diagram 11) should be set as follows.

The TIME control determines how long the lamp remains illuminated after activation (1 hour to 12 hours).

These settings allow the lamp to illuminate for the designated time on period after darkness falls and the unit is activated.

The DUSK (LUX) control determines the level of darkness required for the unit to start operating. (Diagram 12)

The setting is best achieved by the procedure below:

Set the DUSK control knob fully anti-clockwise and the Time control to the required minutes. Wait until darkness falls.

When the ambient light level reaches the level of darkness at which you wish the lamp to become operative (ie. At dusk), SLOWLY rotate the control in a clockwise direction until a point is reached where the lamp illuminates. Leave the control set at this point.

At this position, the unit should become operative at approximately the same level of darkness each evening. Observe the operation of the unit. If the unit is starting to operate too early (ie. when it is quite light), adjust the control slightly anti-clockwise. If the unit starts to operate too late (ie. only when it is very dark), adjust the control slightly clockwise.

Continue to adjust until the unit operates as desired.

6. Technical Specifications

Power Supply   230V AC ~ 50Hz

Maximum External Load
No other external loads
can be used.

	Number of Slave Unit		
Master	ECO1FL	ECO2FL	ECO3FL
ECO1DD	3	1	3
ECO2DD	2	1	2
ECO3DD	3	1	3

Lamp Type   230 AC 20W Compact Fluorescent lamp supplied
E 27 base   23W compact fluorescent maximum
                            Do not use incandescent or halogen bulbs

Time On Adjustment   1 hour to 12 hours
Dusk Level Adjustment   Day & night or night only operation
Environmental Protection   IP45 (suitable for outdoor use)

6. Troubleshooting Guide

Problem

Lamp stays OFF

Solution

- Check that the power is switch ON at the wall switch.
- Ensure no connections are loose
- Ensure that CFL is seated correctly in the lamp holder.
- Check the CFL. If the CFL has failed, replace it.

If you experience problems refer to Troubleshooting Guide.
If problems still exist, do not immediately return the unit to store.
Telephone the Timeguard Customer Helpline

020 8450 0515

Qualified Customer Support Co-ordinators will be on-line
to assist in resolving your query.

No User Serviceable Parts Inside.

3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For years 2 and 3 or any difficulty in the first year telephone the helpline on 020 8450 0515.

Note: the lamp is not covered by the warranty.

HELPLINE
020 8450 0515

or email helpline@timeguard.com

For a product brochure please contact:

Timeguard Limited.
Victory Park, 400 Edgware Road,
London NW2 6ND
Sales Office: 020 8452 1112
or email csc@timeguard.com

A **theben** Group Company

Zerofour – August 2011

Designed in the U.K. 67-058-423