Lantern Receiver

E-997

INSTALLER GUIDE

IQ Europe Limited
Sandbeck Lane, Wetherby LS22 7TW.
Visit us at www.iq-europe.co.uk
Installation helpline 0871 717 1100

V1.0 - 04/05
IQLA-BC-RX-W

MANUFACTURER'S EXTENDED WARRANTY

In addition to your statutory rights relating to this product it is also guaranteed by IQ (Europe) Limited ("IQ") for 12 months from the date of purchase against faulty materials or workmanship which affect its designed ability to detect or switch. During this period if the product has a defect of this nature it will be repaired or replaced free of charge by IQ with the same item, or a similar one of higher specification, ON CONDITION THAT:-

The buyer takes advantage of any 'return to store' scheme operated by the seller from whom it is bought.

If the product has a defect outside the period of any seller's 'return to store' scheme it should be returned to IQ (Europe) Limited at Sandbeck Lane, Wetherby, W. Yorks LS22 7TW, England at the expense of the buyer together with evidence of the date of purchase (it is the responsibility of the buyer to prove delivery to IQ).

The product has been bought by the user.

The product has not been misused or handled carelessly, installed incorrectly, or used on a voltage supply other than that shown on it.

Repairs have not been attempted by anyone other than IQ's staff.

The product has been used for domestic purposes only.

The product has not been installed in any unusually exposed or harsh environmental conditions.

If the buyer is resident in the EU the product or its replacement will be returned to the buyer at the expense of IQ.

This guarantee excludes liability for discolouration of paint or plastic, or any user replaceable parts and in particular lamps, glass panels, or globes/lanterns. It does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage.
This guarantee is offered as an additional benefit and does not affect your statutory rights as a consumer.

This contract is subject to the laws of England and Wales.

***** IMPORTANT *****

As of 1 January 2005, changes to the Building Regulations affect domestic electrical installations in England and Wales. You don't need to be a qualified electrician to make changes to your home's electrical system, but the work must be done in accordance with the Regulations.

Where you employ an electrician who is a member of a competent person self-certification scheme, they will be able to certify the work complies with the Regulations.
If you decide to carry out the work yourself we recommend that you make yourself aware of the Regulations before you begin and if you require any clarification you should contact your Local Authority Building Control Department.

Details of the Building Regulations can be obtained on the internet via the government website www.odpm.gov.uk/explanatory-booklet

SECTION ONE
GENERAL INFORMATION

This Lantern Receiver must be used in conjunction with suitable IQ Transmitter units in the IQ Wirefree range.
Upon detection of a signal from a transmitter (bought separately) this Lantern Receiver will react as programmed.

PLEASE NOTE:- PLEASE SEE THE SEPERATE INSTRUCTION MANUALS FOR THE TRANSMITTER PRODUCTS TO UNDERSTAND HOW TO PROGRAM AND ADJUST THAT SPECIFIC TRANSMITTER.

THIS MANUAL COVERS THE INSTALLATION OF THIS SPECIFIC LANTERN RECEIVER ONLY

PARTS INCLUDED
- AC Lantern receiver unit
- Instruction manual. Please keep safe for future reference.

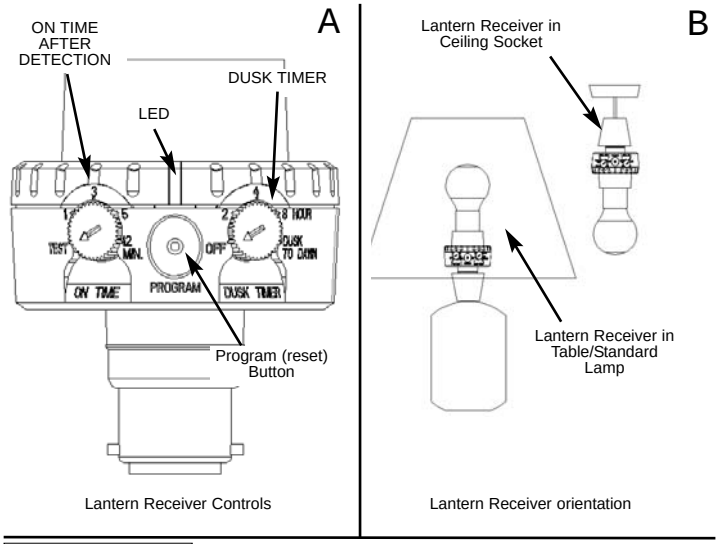
The Lantern receiver must be used indoors and can be placed inside any household lamp using a BC lamp holder. It must be placed within transmission range of the PIR Transmitter. (See later sections for details).

SECTION TWO
LANTERN RECEIVER:- INSTALLATION

The Lantern Receiver (Rx) must be within transmission range of your PIR transmitter.(Tx). We suggest that firstly, that the Tx is placed in its optimum position to give the coverage and detection required, then the Receiver is located indoors at a point where it can receive the Tx`s signal.
1. Position your PIR Tx in desired area, perform walk tests to confirm detection zones.

2. Chose your preferred location for the Lantern Rx up to 60m away (free air space) from the Tx, take into account the path between the sensor and receiver to ensure range is acceptable as the range can be reduced by metal objects, walls etc.

Turn the light fixture OFF and fit the Lantern Rx into the light fixture as you would fit a standard BC lamp. Fit a 60W BC incandescant lamp or Max 27W Compact Fluorescent Lamp into the receivers socket.
The Lantern Receiver is designed for both Pendant Lamps (suspended from ceiling) and table or standard lamps (normal orientation) and can also be fitted to uncontrolled outdoor decorative lanterns if there is sufficient space. See diagram B



Lantern Receiver Controls

Lantern Receiver orientation

SECTION THREE

LANTERN RECEIVER OPERATION AND TESTING

Auto Programming

Once the PIR Transmitter (TX) and Lantern Receiver (RX) are installed, the Receiver needs to learn the coded signal transmitted from the Transmitter.IQ makes this easy with its Auto Programming function.

See diagram I

1.Set the Lantern Receiver **ON TIME DIAL** to **TEST**

2.Set the Lantern Receiver **DUSK TIMER** to **OFF**

3. Turn the light fixture ON.

4. When the Lantern receiver first powers up, the light will remain off for a short period. After this short period the light comes ON to indicate the programming period has begun, the Lantern RX LED will flash slowly. See diagram I.

5. To activate the Sensor`s signal to the Receiver, walk in front of the Sensor. the Sensor`s LED flashes red indicating motion has been sensed and a signal has been transmitted. The lamp will now illuminate for 5 seconds after each detection and the RX LED will flash slowly.

6. The Lantern receiver acknowledges this signal by turning the light OFF. The Receiver is now programmed to respond to the sensor. The RX LED will remain constantly ON.

REMINDER: the light fixture needs to stay in the ON position for the Lantern Receiver to remain in AUTO MODE. No other transmitter can activate this light unless you program another transmitter to do so.

Go to step 8.

7. If the light did NOT GO OFF, the Lantern Receiver is not picking up a signal from the TX. Check the radio signal path between transmitter and receiver for any metal obstructions (support beams, aluminum window casings etc). these can block the radio signals and interfere with signal transmission. To determine a clear signal path, move the Lantern Receiver to different outlets and activate the Transmitter. Locate the Lantern Receiver in an outlet where the Transmitter activates it.

8. Remove the sticker from the photocell on the DC PIR Transmitter.

Lantern Receiver Settings
After Auto Programming is complete, the ON TIME and DUSK TIMER can also be set:-
1.ON TIME
The ON TIME setting determines how long the light will remain ON after motion has been sensed by the DC PIR TX. Turn the ON TIME dial to 1, 3, 5 or 12 minutes.

PLEASE NOTE THAT THE LANTERN RECEIVER IS DESIGNED TO TURN THE LIGHT ON IN DAYLIGHT AS WELL AS NIGHT IF MOVEMENT IS DETECTED.
THE LIGHT WILL REMAIN ON FOR THE LENGTH OF TIME SET BY THE USER AND THE LED WILL FLASH ON/OFF FOR APPROX. 5 SECONDS

IF FURTHER MOVEMENT IS DETECTED WHILST THE LIGHT IS ILLUMINATED, THE LIGHT WILL BLINK OFF QUICKLY AND THEN TURN BACK ON FOR THE LENGTH OF TIME SET BY THE USER AND THE LED WILL FLASH ON/OFF FOR APPROX. 5 SECONDS

2. DUSK TIMER.
To set how long the light remains ON after dusk, set the DUSK TIMER dial to 2, 4, 8, hours or DUSK/DAWN.
After dusk, the light will turn on in **DIMMED MODE** for the time you set.
If motion is detected by the DC PIR TX, the light turns ON for the length of time you have set using the ON TIME dial then will return to **DIMMED MODE.**.

WARNING!!
If you decide to use a Compact Fluorescent Lamp (CFL) in the Lantern Receiver, you MUST set the dials as follows:-

ON TIME DIAL to 3, 5 or 12 minutes. DO NOT SET TO 1 minute as a CFL can be damaged by short term switching on and off.

DUSK TIMER to OFF position as it is NOT possible to use the dim fuction with a CFL . In this case the Lamp will remain OFF until it is activated, then will remain on for the duration set by the ON TIME DIAL.

Manual Override.
To turn the light fixture on manually, flip the mains switch off/on within one second and the lamp will illuminate permanently at full power.
The return the Receiver to Auto Mode repeat the same action.

ADDING ADDITIONAL TRANSMITTERS TO CONTROL THE LANTERN RECEIVER
The Lantern Receiver can be programmed to operate with up to 16 additional Transmitters. These products are easily added to expand your system.
To add additional Tx`s, press the Rx PROGRAM button for 1 second while the Rx is powered.

DO NOT PRESS FOR LONGER THAN 2 SECONDS AS YOU MAY ERASE ALL EXISTING CODES.
The light will turn ON, indicating the Lantern RX is in PROGRAM MODE and will remain ON up to 5 minutes. During this time, activate the Transmitter you are adding to send its code to the Lantern Receiver and the light will go off. This code is stored in the Lantern Receiver along with existing codes and the Lantern Receiver will now respond to the additional Transmitter.

Erasing All Codes.
Tx codes can be erased for reprogramming. To erase codes, while RX is powered, press and hold the PROGRAM button for more than 5 seconds. The light will turn on, go out briefly then turn on again. This will clear the Rx of all programmed codes and place it into the AUTO PROGRAMMING Mode.

Note:- to prevent inadvertent programming by other transmitters, remove then gradually add batteries or turn on power to the Tx you want coded to the Chime Rx during the AUTO PROGRAMMING Mode.

SECTION FOUR
TECHNICAL SPECIFICATION
LANTERN RECEIVER

Power Supply	**230/240 V AC ~ 50Hz**
Maximum Switchable Load	**75W Max BC GLS or 23W Compact Fluorescent Lamp (CFL)**
Time On Adjustment	**1, 3, 5, 12 minutes (3, 5, 12 minutes for CFL)**
Dusk Timer Adjustment	**2, 4, 8, hours and Dusk to Dawn.**
Dimmer	**Fixed at 30% of full power((NO DIM function if using a CFL)**
Transmission Range	**Up to 60m (varies with surrounding structures)**

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

Telephone the IQ Customer Helpline

0871 7171100 Weekdays 9.00am - 5.00pm
support@iq-group.com www.iq-europe.co.uk
Qualified Customer Support Co-ordinators will be on-line to assist in resolving your query.

SECTION FIVE

TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
o Lamp stays ON all the time at night.	The unit may be suffering from false activation. Cover the sensor lens completely with a thick cloth. This will prevent the sensor from "seeing" anything. If the unit now switches off after the set time duration and does not re-activate, this indicates that the problem was caused by false activation. The problem may be solved by slightly adjusting the direction/angle of the sensor head (see previous section).
o PIR keeps activating for no reason / at random.	You may not be allowing the unit time to complete it's warm-up period. Stand well out of the detection range and wait (the warm-up period should never exceed 1½ minutes). Occasionally, winds may activate the sensor. Sometimes passages between buildings etc. can cause a "wind tunnel" effect. Ensure the unit is not positioned so as to allow detection of cars/people using public thoroughfares adjacent to your property.
o PIR sensor will not operate at all.	Check that the batteries are in good condition and fitted correctly
o The PIR sensor will not operate at night. o PIR coverage is poor/sporadic o Detection range varies from day to day	Unit may be poorly located. See previous section - 'Selecting The Location' and re-locate the unit. PIR sensors are influenced by climatic conditions. The colder the ambient temperature, the more effective the sensor will be. You may need to make seasonal adjustments to the sensor head position to ensure trouble-free operation all year round.

Problem	Possible cause/solution
o Chime/light did not activate when motion is sensed.	1. Socket switch is turned off. 2. Re-aim sensor to cover desired area. 3. Turn Sensitivity Knob to maximum 4. Photocell determines it is daylight. Move away from light source. 5. Sensor is too far from Receiver. Move closer. 6. Metal on building, chain link fence, etc. blocking path of Sensor's signal transmission. To check signal path, set Receiver's on time dial to Test. Remove Sensor from bracket (recover photocell if daylight). As you walk the Sensor around the Receiver, wave your hand in front of Sensor. Note when it turns the Receiver ON. Remount Sensor in that area. 7. Check the lamp. If the lamp has failed, replace. The level of ambient light in the area may be too bright to allow operation Relocate in a darker area.
o Chime/light activates in daylight **LANTERN RECEIVER IS DESIGNED TO OPERATE IN DAYLIGHT.**	For Chimes 1. Sticker not removed from sensors photocell. Remove label 2. Sensor installed in dark location. Reposition Sensor
o DC PIR TX LED flashes on and off 5 times when activated.	This is the low battery signal. Replace transmitter batteries.
o Lantern receivers light flashes on and off twice when activated.	This is the low battery signal. Replace transmitter batteries.
o Tone/Light activates for no apparent reason	Check area for false activation from heat or reflective source. Re-aim sensor

DID YOU KNOW...

IQ products are designed and manufactured to give many years of trouble-free service.
The materials used during manufacture have been selected to allow the product to be easily recycled when no longer functional.
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice

LIGHT POLLUTION & CONSIDERATE LIGHTING
Please be aware of the annoyance over-lighting an area can cause to your immediate neighbours.

Light pollution caused by incorrectly installing a unit or over-lighting an area can be limited by carefully considering the location and position of your unit before installation. The light spread on all halogen floodlights can be reduced by angling the floodlight downwards on the mounting bracket. This will also concentrate the light on your property and limit the potential inconvenience of the light shining into your neighbours windows etc.

Please see **Selecting a Location** for information on choosing the optimum location for your security light.