

TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Suggested Remedy
Lights do not operate	1. No power	Check all connections, and fuses/switches
	2. Blown fuse in transformer	Check. Replace
	3. Low voltage cable has not been connected to transformer	Re-check
Light switches ON for no apparent reason	Heat sources such as aircon. vents, heater flues, barbecues or very cold objects are near sensor.	Remover these sources if possible
On during daytime	Mounted in a position where there is too little daylight	Re-position

SPECIFICATIONS

Detection Range	6 metres at 110° scan approx.
Time On (fixed)	5 seconds to 5 minutes approx.
Detection Circuitry	Passive controlled infrared motion sensor, plus daylight sensor
Ambient Light required to operate in Auto Mode	<30 lux
Maximum Globe	20W halogen 12Volt G4 Bi-pin globe
Weatherproof Rating	IP44.

MAINTENANCE

To avoid dust build up and ensure proper functioning of the Sensor Light, wipe the sensor lens lightly with a damp cloth every 3 months.

Care should be taken when cleaning to prevent scratching. A soft cloth or fine hair brush should be used together with a non-abrasive cleaner.

Do not use solvents or abrasive cleaners on any part of your Sensor Light.

WARRANTY

Arlec guarantees this product in accordance with the Australian Consumer Law.

Arlec also warrants to the original first purchaser of this product (“you”) from a retailer that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for commercial purposes (“Warranty”).

If you wish to claim on the Warranty, you must, at your own expense, return the product, and provide proof of original purchase and your name, address and telephone number, to Arlec at the address below or the retailer from whom you originally purchased the product within 12 months from the date of purchase.

Arlec will (or authorise the retailer to) assess any claim you may make on the Warranty in the above manner and if, in Arlec’s reasonable opinion, the Warranty applies, Arlec will at its own option and expense (or authorise the retailer to) replace the product with the same or similar product or repair the product and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty. The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



Arlec Australia Pty. Ltd. ACN 009 322 105 (“Arlec”) gives the Warranty.

Arlec’s telephone number, address and email address are:

Customer Service: (03) 9982 5111

Building 3, 31 – 41 Joseph Street, Blackburn North, Victoria, 3130

Blackburn North LPO, P.O. Box 1065, Blackburn North, 3130

Email: [custservice@arlec.com.au](mailto:custservice@arlec.com.au)



The Arlec Movement Activated Combination Lights are 12 Volt AC operated for use in garden lighting systems

FUNCTIONS

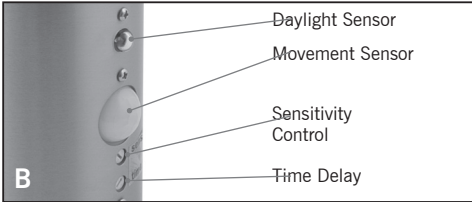
Your Light Has Two Sections

A. LED Strip Light

The LED strip light is a low-power light that is operated by the daylight sensor. It will stay illuminated permanently during low light conditions to provide a “night light” function giving a small amount of light throughout the night.

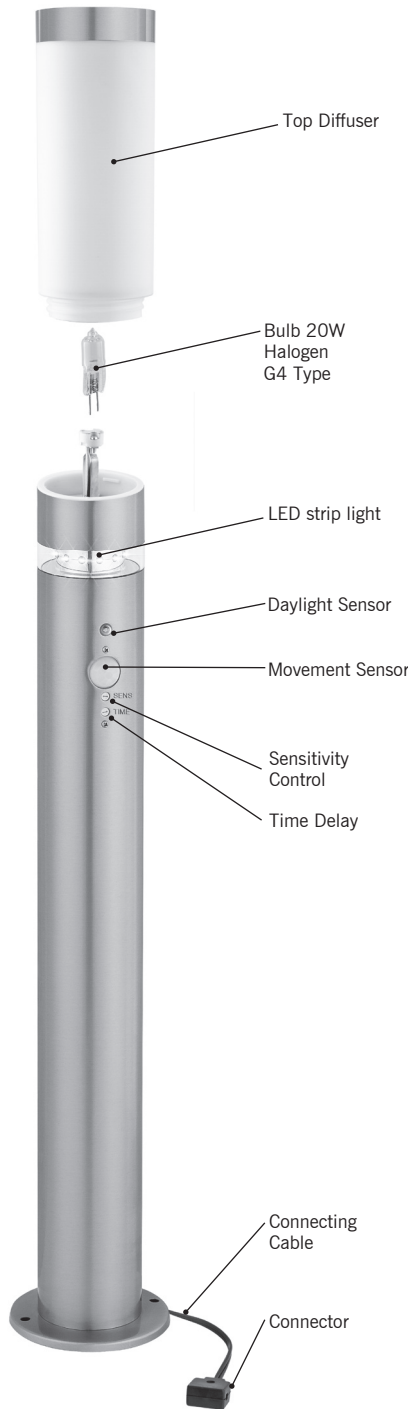
B. Sensor Light

The main sensor light gives a normal movement-activated sensor light function, operating the main bulb on the top of the light whenever the sensor detects motion in the detection area during dark conditions.



Both sections automatically switch off in daylight conditions.

This combination of lights enhances safety and security by maintaining light levels to assist you and your visitors to safely find their way around your home, while deterring strangers.



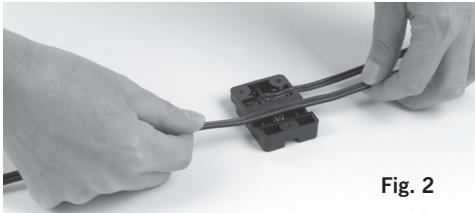
INSTALLATION

CONNECTING LIGHT TO LOW VOLTAGE CABLE

**IMPORTANT:** Low voltage cable is NOT to be used for 240 volt wiring.

NOTE: Cable lengths greater than 18 metres may cause a small reduction in brightness to the lights furthest away from the transformer.

1. If you are adding lights to your existing garden lighting plan, first check that the transformer is powerful enough to illuminate lights. (See chart at back).
2. Additional cable can be joined to existing cable either at the end of the length, or joined anywhere along the cable using an Arlec Cable Connector LV700. Arlec low voltage cable is completely weatherproof and may be used above or below ground.
3. Lay low voltage cable out in position in readiness for connecting lights.
4. Plug the transformer into a household power point and switch “ON”. This will enable you to check light connections during installation. This operation is completely safe because the wiring is only carrying a low 12 volt.
5. Open the cable connector provided by unscrewing the top cover of the connector. Do not remove the insulating strip from the middle slot (Fig.1).
6. Fit the cable from the light into the narrower slot of the connector, keeping the cable straight, push it down onto the two spiked pins (Fig.2).
7. Fit the connector to the main garden lighting cable at the chosen position by placing the garden lighting cable in the larger slot of the cable connector. Push it down on to the two spiked pins (Fig.3).
8. Refit the cover of the cable connector and tighten all three screws.
9. The light should now illuminate. If the light does not illuminate, see section headed “Trouble Shooting and User Hints”



NOTES ON DESIGN OF YOUR LIGHTING SYSTEM

1. Ensure that the wattage of the transformer is greater than the total wattage of lights. (For example, a 100 watt transformer is capable of supplying max 100 watts of lighting, This lamp requires approx 22W total, so 4 of these lamps could be run off the 100W transformer.
2. If possible avoid cable runs of more than 18 metres, as reduced brightness occurs, and definitely no more than 32 metres. In larger systems, or where the total wattage is over 50 watts, split the lighting into two cable runs, where each cable comes back to be fed by the transformer. This will ensure better power distribution and globe brightness.

GLOBE

TO FIT GLOBE AND INSTALL

1. Unscrew and remove the top diffuser from lamp.
2. The globe is packed separately to avoid damage. Insert globe in the globe socket, aligning the pins of the globe with the socket contacts. Avoid touching the glass of the globe with bare hands, use a tissue or the globe packaging to handle it (oils from the hands can cause the globe to fail prematurely-if necessary wipe the globe with methylated spirit and dry before use). Push the globe into the socket firmly, without forcing or bending the pins, which may damage the glass envelope of the globe.**NOTE: Globe is halogen, 12 volt, 20 watt, G5 Bi-Pin type**
4. Refit top diffuser.
5. Follow the steps for connecting to 12 volt supply in the following section.



TO TEST

During daylight hours, the unit cannot be ‘walk’ tested as the daylight sensor disables the operation. As a quick test in daylight, cover the movement sensor completely with your hand or a dark cloth for a few seconds, then take it away. The main light should trigger on. Ideally, test in darkness by switching the unit on and walk slowly across the detection area.

Check that the light will remain on for a period set by adjusting the timer, from approx 5 seconds to 5 minutes depending on the setting after the last movement in the sensing area occurs. (Refer to adjusting the sensitivity and time delay).

To check the LED striplight, cover the daylight sensor. After a few seconds the LED striplight should illuminate.

Adjusting Sensitivity and Time Delay

To adjust the sensitivity turn the adjusting arrow clockwise to increase sensitivity and anti-clockwise to decrease sensitivity. The sensitivity range is approximately 6 metres max at a scan angle of approximately 110°. To adjust the time delay turn the time adjusting arrow clockwise to increase the delay and anti-clockwise to decrease the delay. The time delay is from approximately 5 seconds to 5 minutes.

NOTE:

1. This highly responsive unit may occasionally operate due to rapid environment changes.
2. To avoid false triggering do not install this unit near wiring of large appliances such as airconditioners, refrigerators, fluorescent lights etc.
3. When first switching on allow approximately 30 seconds warm up time for sensor operation to settle to normal sensitivity.