Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

GB IE

PRODUCED IN CHINA FOR:

ALDI STORES LTD. PO BOX 26, ATHERSTONE
WARWICKSHIRE, CV9 2SH

ALDI STORES (IRELAND) LTD.
PO BOX 726, NAAS, CO. KILDARE.
Visit us at www.aldi.com

AFTER SALES SUPPORT 803287

GB **01909 517672** IE **012 475 437**

aldi@0800repair.com

MODEL:
872-S-S, 872-S-G, 872-S-W 03/2021

3 YEAR WARRANTY

User Manual

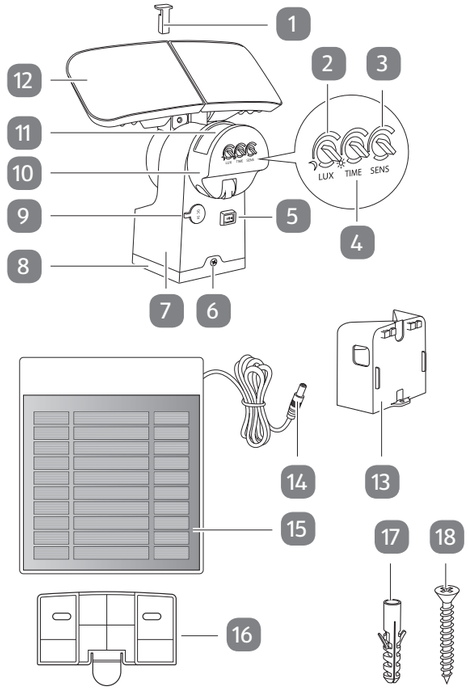
LIGHTWAY

SOLAR-POWERED SPOTLIGHT

Contents

Scope of delivery

A



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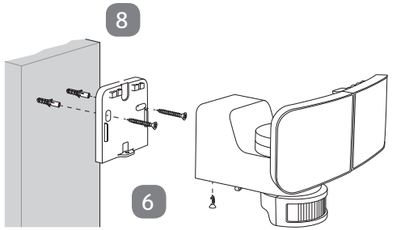

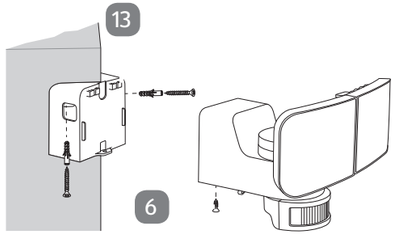

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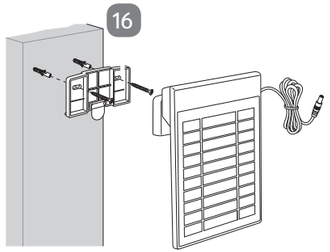

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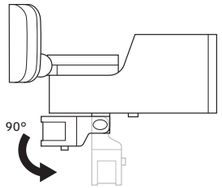

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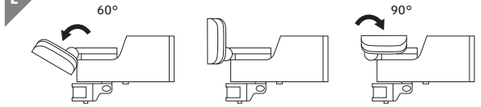

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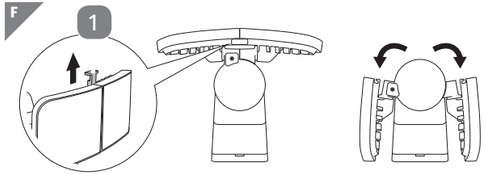

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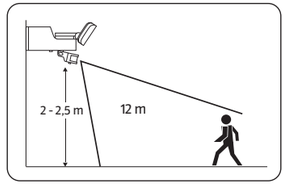

Components

1	Tab	9	Charging slot
2	LUX controller	10	Sensor housing
3	SENS controller	11	Motion sensor
4	TIME controller	12	Spotlight head, 2×
5	Power switch	13	Wall bracket (spotlight)
6	Fixing screw	14	Plug with charging cable
7	Spotlight	15	Solar panel
8	Rear panel	16	Wall bracket (solar panel)

Connecting elements supplied

17	Wall plug, 4×	18	Screw, 4×

Required tools (not included)

19	Electric drill	19 
20	Cross-head screwdriver	20 
21	Garantie Card	

General information

Reading and storing the user manual

This user manual accompanies this solar-powered spotlight (referred to below only as the ‘product’). It contains important information on start-up and handling.

Before using the product, read the user manual carefully. This particularly applies to the safety instructions. Failure to follow this user manual may result in serious injury or damage to the product.

The user manual is based on the standards and rules in force in the European Union. When abroad, you must also observe country-specific guidelines and laws.

Store the user manual for future use. Make sure to include this user manual when passing the product on to third parties.

Proper use

The product is designed for permanent installation in a location protected against rain and is intended only for temporary lighting outdoors, e.g. to light building entrances, garages or pathways and as a deterrent against burglary. Do not use it for indoor lighting or for accent lighting. It is only intended for private use and is not suitable for commercial purposes.

Use the product only as described in this user manual. Any other use is considered improper and may result in damage to property.

The manufacturer or vendor accepts no liability for damage caused by improper or incorrect use.

Explanation of symbols

The following symbols are used in this user manual, on the product or on the packaging.

This symbol provides you with useful additional information about start-up or operation.

Declaration of conformity (see chapter “Declaration of conformity”): Products marked with this symbol meet all applicable Community regulations for the European Economic Area.

IP44

The product’s type of protection is IP44. This means it is protected against splashing water and against ingress of solid foreign objects with a diameter of more than 1 mm.

This symbol identifies electric devices corresponding to protection class III. This means the product operates at low voltage and is operated with a safety extra low voltage (SELV).

Any cracked protective cover must be replaced.

Safety

Explanation of notes

The following symbols and signal words are used in this user manual.

WARNING!

This signal symbol/word designates a hazard with moderate degree of risk which may lead to death or severe injury if not avoided.

CAUTION!

This signal symbol/word designates a hazard with low risk that, if not avoided, may result in minor or moderate injury.

NOTICE!

This signal word warns against potential damages to property.

General safety notes

WARNING!

Risk of explosion and fire!

Improper handling of the product can cause an explosion or a fire.

- Keep children away from the product.
- Keep the product away from water, other liquids, open flames and hot surfaces.
- Do not hang any objects over the product and do not cover it. Maintain a distance of 1 m between the spot light and easily flammable materials.
- Do not use the product anymore if it exhibits damages. Only replace damaged parts with corresponding original spare parts.
- Do not open the housing and do not make any modifications to the product. Have only qualified professionals perform repairs.
- Do not position the product over bathtubs, sinks or other objects filled with water.

- Only charge the rechargeable batteries using the solar panel supplied.
- Protect the rechargeable batteries against mechanical damage.
- Do not throw rechargeable batteries in fire. They could explode or release toxic vapours.
- Do not expose rechargeable batteries to unrestricted sunshine or heat. Increased risk of leaking!
- Do not take rechargeable batteries apart and do not short-circuit them. Danger of explosion!
- The non-replaceable rechargeable batteries are located inside the housing.

WARNING!

Risk of chemical burns!

Leaked fluid from the rechargeable batteries could cause burns if it comes into contact with skin or other body parts. Swallowing rechargeable batteries may result in severe internal injuries or even death.

- If battery acid leaks out, avoid contact with skin, eyes and mucus membranes. In the event of contact, immediately rinse the affected areas with plenty of clean water and consult a physician.
- In the event that battery acid leaks out, protective gloves must be worn and the leaked acid removed using a dry, absorbent cloth.
- Store both new and used rechargeable batteries so that they are not accessible to children.
- If you are no longer able to securely close the battery compartment, do not use the product. Remove the rechargeable batteries and store them in a location that is inaccessible to children.
- If you suspect that a rechargeable battery has been swallowed or has otherwise entered the body, promptly consult a physician.

CAUTION!

Risk of injury!

The light emitted by the LEDs is very bright and can damage the eyes if looked at directly.

- Never look directly into the light of the product's LEDs.
- Ensure not to shine the light into the eyes of people or animals when inspecting or assembling/installing the product.

WARNING!

Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities) or lack of experience and knowledge (e.g. older children).

- This product may be used by persons with impaired physical, sensory or mental capacities or those lacking experience and knowledge if they are supervised or have

been instructed in how to safely use the product and have understood the risks associated with operating it. Children may not play with the product.

- Cleaning and user maintenance must not be performed by children.
- Keep children away from the product.
- Do not let children play with the packaging wrapper. Children may get caught in it when playing and suffocate.

NOTICE!

Risk of damage!

Improper handling of the product can damage the product.

- Protect the product against drastic temperature fluctuations, e.g. those near ventilators, air conditioning units and heaters.
- The LEDs are permanently installed and cannot be replaced. Once the light source has reached the end of its service life, the entire product has to be replaced.

- Stop using the product if any plastic parts of the product exhibit cracks or deformation. Only replace damaged parts with corresponding original spare parts.
- Do not make any modifications to the product.

First use

Checking the product and scope of delivery

NOTICE!

Risk of damage!

If you do not take care when opening the packaging with a sharp knife or other pointed object, the product can quickly become damaged.

- Be very careful when opening the packaging.

1. Take the product out of the packaging. Before start-up, remove all protective films.
2. Check to make sure that the delivery is complete (see **Fig. A**).

3. Check whether the product or the individual parts are damaged. If this is the case, do not use the product. Contact the manufacturer at the service address specified on the warranty card.

Charging the rechargeable batteries for the first time

WARNING!

Danger of explosion!

Improper handling of the rechargeable batteries can cause an explosion or a fire.

– Only expose the solar panel to direct sunlight. Never expose the rechargeable batteries to direct sunlight.

Before you can use the product, you must fully charge the rechargeable batteries. If there is sufficient sunlight on the solar panel, this usually takes 6–8 hours.

1. Insert the plug 14 into the charging slot 9.
2. Expose the solar panel 15 to direct sunlight. To achieve quick and optimal charging, place the solar panel in a place where it can absorb as much sunlight as possible. Positioning it so that it is south-facing and therefore exposed to direct sunlight is the best way of achieving this.

Selecting the installation location

Ideal installation location for the product

Motion sensors are electronic sensors that recognise movement in their environment and work as electrical switches, responding to this movement. Heat sources are sensed using the lens. If a heat source in the product's sensor area changes or moves, the product will switch on for the preconfigured time. In order to ensure that the product functions optimally, please note the following requirements:

- Affix the product to a stable, vibration-free wall.
- Choose a location for installation that is protected against wind and rain (e.g. under the eaves of a roof). The installation surface must be free from shocks or vibrations.
- To avoid unwanted triggering of the motion sensor, no moving objects such as trees or bushes should be in the range of the motion sensor. If the sensor's range is on a street, vehicles driving past may switch the spotlight on unintentionally.
- To avoid disturbing the proper functioning of the spot light, the motion sensor should be protected against direct sunlight and from light from halogen lamps or light-reflective surfaces such as swimming pools or ponds.
- Only intended for installation outside arm's length:
  The optimum height for installation is approx. 2–2.5 m or above. If the product is installed lower than this, the sensor area may be reduced (see **Fig. G**).
- The spotlight works best if the sensor area of the motion sensor is crossed horizontally. As far as possible, install the motion sensor in such a way that the main direction of approach is not straight in front of the sensor.

Ideal installation location for the solar panel

The solar panel is the main source of current for the product. It absorbs sunlight, converts it into electricity and then uses this to charge the rechargeable batteries. The longer the solar panel is subjected to direct sunlight, the quicker the rechargeable batteries will charge. In order to ensure that the product functions optimally, please note the following requirements:

- Position the solar panel 15 in a place where it can absorb as much sunlight as possible throughout the day. Positioning it so that it is exposed to direct sunlight is the best way of achieving this.
- Avoid shade of any kind and ensure that it is not covered (e.g. by dirt, foliage or snow).
- Do not mount the solar panel behind a pane of glass, as this will filter out infrared rays necessary to charge the rechargeable batteries.
- When choosing an installation location, note the length of the charging cable (3 m).

Assembly

WARNING!

Risk of electric shock!

Improper installation may result in an electric shock.

– Ensure that there are no cables or other electrical lines behind the location where the spotlight is attached.

To avoid triggering the product unintentionally, the product must be installed firmly. If the product moves, this has the same effect as moving heat sources in the sensor area.

Mounting the spot light

1. Choose a suitable surface for installation (see chapter section “Selecting the installation location”).
2. Remove the rear panel 8 from the spotlight 7 by unscrewing the fixing screw 6.
3. Hold the rear panel (for wall installation) or wall bracket 13 (for corner installation) to the installation surface and mark the installation locations.
4. Drill two holes into the wall using a drill 19 and insert the wall plugs 17.
5. Screw the rear panel or the wall bracket to the fastening points with screws 18 as based on the properties of the installation surface (see **Fig. B**). Use a cross-head screwdriver 20 for this purpose. Do not apply excessive force in the process.
6. Attach the spotlight to the rear panel or wall bracket.
7. Use the fixing screw to fasten the spotlight and the rear panel or wall bracket.
8. Tighten the fixing screw.

Mounting the solar panel

1. Choose a suitable surface for installation (see chapter section “Selecting the installation location”).
2. Remove the wall bracket 16 from the back cover. Press the plastic tab up slightly to do this.

3. Hold the wall bracket on the installation surface and mark the three locations for fastening.
4. Drill two holes into the wall using a drill 19 and insert the wall plugs 17.
5. Screw the wall bracket to the fastening points with the screws 18 as based on the properties of the installation surface (see **Fig. C**). Use a cross-head screwdriver 20 for this purpose. Do not apply excessive force in the process.
6. Slide the solar panel 15 and back cover from above onto the wall bracket until you hear it click into place (see **Fig. C**).
7. Completely unfold the charging cable and insert the plug 14 into the charging slot 9 on the spotlight 7.

Operation

Configuring the sensor area

1. If necessary, turn the motion sensor housing 10 to reach the SENS controller 3.
2. Select the required sensor area:
   - Turning the SENS controller clockwise increases the sensor area range and the motion sensor will already react from a distance of approx. 12 m.
   - Turning the SENS controller anticlockwise decreases the sensor area range. With the lowest setting, the motion sensor only reacts starting at a distance of approx. 1 m.

To further adjust the sensor area, turn the motion sensor housing 10. The motion sensor housing can be turned by 90° (see **Fig. D**). The sensor angle of approx. 110° (+/-10°) does not change in the process.

- Select the required sensor area by turning the motion sensor housing.

Setting the lighting duration

1. If necessary, turn the motion sensor housing 10 to reach the TIME controller 4.
2. Select the desired lighting duration between approx. 10 and 60 seconds by turning the controller in the corresponding direction:
   - Turning the TIME controller clockwise increases the lighting duration.
   - Turning the TIME controller anticlockwise decreases the lighting duration.

Setting the sensitivity

You can specify at what brightness (e.g. from dusk) the motion sensor reacts and switches on the product.

1. If necessary, turn the motion sensor housing 10 to reach the LUX controller 2.
2. Choose the desired sensitivity by turning the controller in the corresponding direction:
   - Turning the controller clockwise increases the sensitivity so that the motion sensor 11 will react even in a bright environment. If the controller is on the sun symbol, the motion sensor reacts 24 hours a day, regardless of the ambient light.
   - Turning the controller anticlockwise decreases the sensitivity so that the motion sensor will only react in a darker environment. If the controller is on the crescent moon symbol, the motion sensor only reacts when it is night.

- Whether the motion sensor reacts depends on the speed at which the object is moving. The sensor will not react to movements that are too fast or too slow.
- Electrical sensors are more sensitive in cold, dry weather conditions than in warm, humid climates.

Adjusting the spotlight heads

You can rotate the spotlight heads 12 90° to the left and to right. You can also move each of the spotlight heads approx. 60° downwards and approx. 90° upwards (see **Fig. E**).

– If necessary, remove the tab 1 if you want to align the two spotlight heads individually. Then align the spotlight heads as you like (see **Fig. F**).

Aligning the solar panel

– Align the solar panel 15 so that optimum charging is ensured (see chapter “Selecting the installation location”).

Switching the product on and off

To switch the product on, set the power switch 5 to the different setting possibilities:

Position	Function
I	The spotlight switches on at full luminosity once the motion sensor is activated. The spotlight then switches off automatically afterwards.
0	Switch off the spotlight. The rechargeable batteries can be recharged.

II	The spotlight switches on at full luminosity once the motion sensor is activated. Afterwards, the spotlight decreases in luminosity (night light function) and continues to illuminate until the motion sensor is reactivated.

Troubleshooting

Fault	Possible cause	Solution
The product does not switch on despite movement in the sensor area.	The rechargeable batteries are discharged.	Remove any dust, dirt or snow from the solar panel 15 and re-position it if necessary.
	The rechargeable batteries are faulty.	Contact the After Sales Support.
	The lighting in the immediate vicinity is too bright.	Re-configure the LUX controller 2 or find a more suitable installation location.
	The sensor area is not correctly configured.	To correctly set up the sensor area, turn the motion sensor housing 10.
	The product is defective.	Have the product repaired by a professional.

Fault	Possible cause	Solution
The LEDs shine less brightly.	The rechargeable batteries could not charge sufficiently because the solar panel is not receiving enough direct solar radiation or daylight.	Select another installation location for the solar panel 15 (see chapter “Selecting the installation location”).
		Note that there is generally less sunlight in the winter months. Wait for a sunny day if necessary.
	The rechargeable batteries could not charge sufficiently because the solar panel is dirty.	Remove any dust, dirt or snow from the solar panel and re-position it if necessary.
The sensor area is too small.	Sunlight can cause faults when setting the sensitivity.	Test the settings again in the evening and re-configure the sensitivity if necessary.

Fault	Possible cause	Solution
The product turns off for no obvious reason.	The following movements or heat sources can activate the sensor: Air conditioning units, chimneys, barbecues, street lights, people, animals or moving vehicles.	Find a more suitable location for mounting the spotlight or change the sensor area by turning the motion sensor housing 10.
	Reflections from a swimming pool, a pond or other reflective surfaces are registered as movement.	Re-configure the LUX controller or find a more suitable installation location.
The product switches on throughout the day.	The LUX controller is set too high.	Reduce the sensitivity by turning the LUX controller anticlockwise.

Cleaning

NOTICE!

Risk of damage!

Improper handling of the product can damage the product.

- Do not clean the product and accessories under running water, and do not spray the product with a garden hose or a high-pressure cleaner.
- Do not use any aggressive cleaners, hard brushes and sharp, metallic or scratchy cleaning utensils such as knives, hard or scrapers or similar. They could damage the surfaces.
- Ensure that you do not exert too much pressure on the solar panel when cleaning it.

Remove dust and dirt from the solar panel regularly, as this will otherwise reduce its ability to charge.

1. Remove dust and dirt from the spotlight with a soft, slightly moist cloth. For more stubborn dirt, use a mild rinsing agent as required.
2. Clean the solar panel 15 with a damp cloth.
3. Let all parts dry completely afterwards.

Storage

All parts must be completely dry before being stored.

- Always store the product in a dry location.
- Protect the product from direct sunlight.
- Store the product in an light-free location that inaccessible to children.

Technical data

Model:	872-S-S, 872-S-G, 872-S-W
Article number:	803287
Spotlight dimensions	
Wall installation:	226 × 149 × 179 mm
Corner installation:	226 × 149 × 211 mm
Solar panel dimensions:	182 × 157 × 66 mm
Rechargeable battery	
Rechargeable battery type:	2× Li-Ion rechargeable battery, 1,500 mAh
Charging time for a full charge:	6–8 hours

Product

Protection class:	III ⟨III⟩
Illuminant:	24× 0.5 W LED
Output:	12 W (+/- 1 W)
Supply voltage:	3.7 V ⎓
Luminous flux:	Approx. 900 lm
Colour temperature:	Approx. 6,000 K (+/- 500 K)
Dimmable:	No
Minimum distance to illuminated objects:	1 m
Type of protection:	IP44

Motion sensor

Sensor angle:	Approx. 110° (+/- 10°)
Rotation:	90°
Sensor range:	Max. 12 m
Sensitivity:	15 to 1,000 lux (adjustable)
Lighting duration:	Approx. 10 to 60 seconds (adjustable)

Solar panel

Power supply:	5 V ⎓, 500 mA
Output:	2.5 W
Cable length:	approx. 3 m

Declaration of conformity

The EU declaration of conformity can be requested from the address specified on the enclosed warranty card.

Disposal

Disposing of the packaging

Dispose of the packaging separated into single type materials. Dispose of cardboard and carton as waste paper and film via the recyclable material collection service.

Disposing of the product

(Applicable in the European Union and other European states with systems for the separate collection of reusable waste materials)

Old devices must not be disposed of with household waste!

If the product can no longer be used, every user is **required by law to dispose of the device separately from household waste**, e.g. at a collection point in their community/borough. This ensures that old devices are recycled in a professional manner and also rules out negative consequences for the environment. For this reason, electrical equipment is marked with the symbol shown here.

Batteries and rechargeable batteries must not be disposed of in the household waste!

As the end user you are required by law to bring all batteries and rechargeable batteries, regardless of whether they contain harmful substances* or not, to a collection point run by the community/borough or to a retailer, so that they can be disposed of in an environmentally friendly manner.

Dispose of the entire product (including the battery) at your collection point in a discharged state only!

*labelled with: Cd = cadmium, Hg = mercury, Pb = lead