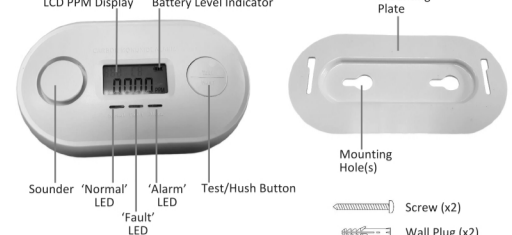
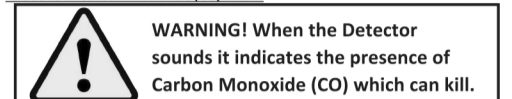


Description of Parts



IMPORTANT:
Please read these instructions thoroughly before use and retain for future reference.
Please check that all parts are present (see *Description of Parts* above) and that the product is intact and not damaged.

About Your Carbon Monoxide (CO) Alarm



• This Carbon Monoxide (CO) Detector is for detecting CO build up in domestic households.

About Carbon Monoxide (CO)

• CO is invisible and cannot be seen, tasted or smelt and can also be fatal. CO builds up in the blood and is called the carboxyhemoglobin level which reduces the body's ability to supply oxygen to itself.

• Depending on the concentration, Carbon Monoxide can kill in minutes.

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• Common causes of CO are faulty gas boilers, gas fires (and fireplaces), gas cookers, etc. Other potential CO sources are Combustion Engines (Petrol or Diesel), Generators (electrical), blocked Chimneys, blocked Flues, Paraffin heaters, portable Gas Fires, Log or Coal Burning Stoves. Petrol or Diesel powered tools. Using a Gas or Charcoal Grill/Barbecue in an enclosed space.

• Indications of CO poisoning are symptoms similar to the flu, but with no fever. Other symptoms include dizziness, fatigue, weakness, headache, nausea, vomiting, sleepiness and confusion.

• Everyone is susceptible to the danger of CO, but unborn babies, small children, pregnant women, senior citizens and people with heart or respiratory problems may experience symptoms sooner.

• Anyone feeling unwell, even after being exposed to mild levels of Carbon Monoxide, should immediately seek medical attention.

• Symptoms of Carbon Monoxide exposure are:

- **Mild exposure** – Headache, Dizziness, Nausea, Vomiting, fatigue (Flu like symptoms), Confusion, Transient Unconsciousness/Blackouts.
- **Moderate exposure** – Severe Headache, Drowsiness, Cherry red lips and Nails, coma can occur if exposure continues.
- **High level exposure** – Pale Complexion, Dilated Pupils, Unconsciousness, convulsions, Cardio-respiratory failure, Possible death.

• To reduce the risk of CO poisoning:

- Gas appliances should be serviced annually by a qualified Gas Safe engineer.
- Solid Fuel appliances (Wood, Coal burners, etc.) should be serviced by a HETAS registered engineer to inspect and clean your heating system, vents, chimneys and flues.

• This Carbon Monoxide Detector should be tested once a week without fail.
• This Carbon Monoxide Detector is to detect Carbon Monoxide (CO) gas only. It is NOT designed to detect smoke, fire, heat or other gases.
• This is NOT to be used as a substitute for a smoke or heat alarm.

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Recommended Locations for the Carbon Monoxide Detectors

• Ideally a Carbon Monoxide Detector should be installed in each room of the house.

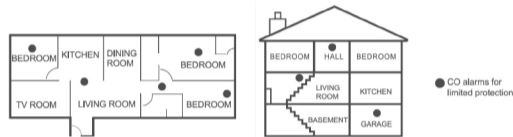
• Install the Carbon Monoxide Detector in a room where the Burner/appliance is located e.g. near a fireplace or kitchen door.

• Whilst fitting the Carbon Monoxide Detector in the same room as a fuel burning appliance:

- The horizontal distance between the Carbon Monoxide Detector and the fuel burning appliance should be between 1m – 3m,
- If there is a partition wall in the room, the Carbon Monoxide Detector should be located on the same side as the fuel burning appliance.
- DO NOT obstruct or block the detectors inlet(s) on the rear of the unit.
- When the Carbon Monoxide Detector is mounted on the wall, ensure that it is mounted at a minimum of 2m from the floor.

• Carbon Monoxide Detectors are suitable for installing in Kitchens, Living rooms, Bedrooms, etc.

• Also suitable for Garages, Lofts, Boiler rooms, understairs space, store rooms, drying rooms.



Position of Carbon Monoxide Detectors in a typical Bungalow.

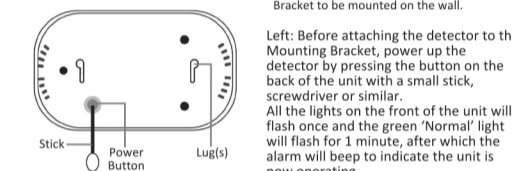
Position of Carbon Monoxide Detectors in a typical House.

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Mounting Your Carbon Monoxide Detector

Once a suitable position has been identified, mark the fixing holes using the mounting plate as a guide. Drill two holes with a 6mm Masonry drill bit (not supplied). Pass the screws through the mounting plate into the plugs and tighten with a suitable screwdriver (not supplied). Ensure that the mounting plate is mounted on the wall as shown below:

NB The plug and screws supplied may not be suitable for the surface the detector is to be mounted onto and other plugs and screws may be required.



Right: Once the detector is mounted in place, press the test button to test it for functionality. The detector will beep to confirm it is working correctly. **IF THE DETECTOR DOES NOT SOUND INVESTIGATE THE CAUSE IMMEDIATELY.**

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Interconnecting Multiple Carbon Monoxide Detectors

These Carbon Monoxide Detectors have a built-in module which enables 2 or more of the same detectors to be connected together to create a network of detectors.

This means that if one of the detectors is triggered all the detectors will sound at the same time. NB it is recommended that the detectors are interconnected together before attaching them to their mounting brackets.

Interconnect the Carbon Monoxide Detectors as follows:

Step 1
Press and hold the test button on one of the Carbon Monoxide Detectors (Let's call this Detector No. 1) until the **Normal LED** flashes **GREEN** three times then emits a short beep and then a long beep - release the button immediately. The **Alarm LED** will then quickly flash **RED** showing it is ready to pair.

Step 2
On the other detector (Let's call this Detector No.2), press and hold the test button until the **Normal LED** flashes **GREEN** twice and then a short beep - release the button immediately. The **Alarm LED** will flash **RED** slowly showing the detector is waiting to join the group. If it has paired successfully, the **Alarm LED** light flashes **RED** three times with a long beep.

• Repeat step 2 above for interconnecting more Carbon Monoxide Detectors, the new detector being 'Detector No.2'. Once all detectors have gone through the interconnecting setup, press the test button on detector No.1 to stop the interconnecting procedure.

NB the pairing mode on Detector No.1 will time out after 1 minute, if any detectors are not interconnected after this time, repeat the interconnecting mode setup again from step 1.

• If the detectors will not link together go to **Clearing Interconnect Data** first below.

Testing the Interconnected Detectors

1. Once the detectors are interconnected as above, test the system is working as follows:
2. Press the test button on any one of the detectors, the detector will start to beep.
3. After the first detector has started to sound the other interconnected detectors will then sound within a few seconds.
IF THE DETECTORS DO NOT SOUND INVESTIGATE THE CAUSE IMMEDIATELY.

Clearing Interconnect Data

Press and hold the test button until the **Normal LED** indicator flashes **GREEN** four

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times and gives a short beep – immediately release the button. If the paired data is cleared successfully, it will issue a long beep and the **Normal LED** indicator will flash **GREEN** three times. Carry out this process on all detectors to clear the interconnecting data. If the data has not cleared and the detector is still connected, repeat the process again.

NOTE: the Daewoo Smoke Alarm (Model No. ELA1386) and the Daewoo Heat Alarm (Model No. ELA1387) can all be interconnected together with the Carbon Monoxide Detector using the above process.

Alarm and LED Indicator Modes

• **Power Up**
The **Normal LED** will flash **GREEN** once every 60 seconds.

• **Normal Operating Mode**
In normal operating mode, the **Normal LED** indicator will flash **GREEN** once every 60 seconds.

• **Detector alarm Mode**
The **Normal LED** indicator will flash **RED** and the **LCD Display** will light up accompanied by the detector sounding. If other units are interconnected, they too will sound within 30 seconds.

• **Testing the Detector**
Press the test button to test the detector at least once a week. The **Alarm LED** indicator will flash **RED** and the detector will beep 4 times twice. **IF THE DETECTOR DOES NOT SOUND INVESTIGATE THE CAUSE IMMEDIATELY.**

• **Low Voltage Warning**
When the built in battery starts to go flat the **Fault LED** indicator flashes **YELLOW** three times every 60 seconds, accompanied by a 'Beep-Beep-Beep' sound. The Carbon Monoxide Detector must be replaced.

• **Detector Fault**
The **Fault LED** indicator will flash **YELLOW** twice every 60 seconds and is accompanied by a 'Beep-Beep' sound. The Carbon Monoxide Detector must be replaced.

• **Hush Function**
Once the detector sounds, press the test button to silence the unit, however, if the Carbon Monoxide is still above the trigger point, the detector will sound again.

Care and Maintenance

• Press the test button to test the Carbon Monoxide Detector(s) at least once every week. **IF THE DETECTOR DOES NOT SOUND INVESTIGATE THE CAUSE IMMEDIATELY.**

• Clean the detector at least once a year using a vacuum cleaner to keep it clear of accumulated dust.

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• **DO NOT** paint your detector, this may obstruct the inlet and prevent the detector from working normally.

• Clean outside of your detector with a clean damp cloth. Never clean with harsh or abrasive cleaners.

• **DO NOT** submerge the detector in water or any other liquids.

Detector Response to PPM Concentration Levels

CO Concentration	Detector Response Time	Indicator before trigger point
<50PPM	No alarm	No Indication
50-100PPM	Alarm after about 80min.	Alarm LED flashes every 2min.
100-300PPM	Alarm after about 30min.	Alarm LED flashes every 2min with a beep
>300PPM	Alarm after about 50sec.	Detector triggered and cannot be silenced

Troubleshooting Guide

Problem	Possible Cause	Possible Solution
Detector triggers continually	High concentration of Carbon Monoxide	Open windows and doors, turn off appliances and have them checked immediately.
Detector beeps 3 times every 60 seconds and the LED flashes yellow 3 times.	Low voltage/flat battery	Replace Detector
Detector beeps twice every 60 seconds and the LED flashes yellow twice.	Detector is faulty	Replace Detector

Technical Specification

ESG Model Number	ELA1388
ANKA Model Number	AJ-833514Y
Operating Voltage	DC – 6V
Battery Type	Non-replaceable 2x 3Volt Lithium
Battery Life	Up to 10 Years
Product Life	10 Years
Detector type	Sounder, LED Indicator and LCD Display
Wireless Frequency	433Mhz
Detector Sound Level	>86dB@3m
Max. Communication Distance	200m (Line of sight)
CO Sensor Type	CO Electrochemical Sensor
Operating Temperature Range	-10°C – 50°C
Operating Humidity Range	30 – 90% RH
Dimensions (Approx.)	75mm (h) x 128mm (w) x 38mm (d)
Weight	140g
This product conforms to Radio Equipment Directive 2014/53/EU Tested to EN 50291-1:2018	

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Recycling Information

Disposal of the Packaging

Dispose of paper and cardboard in appropriate paper re-cycling facilities.
Dispose of recyclable plastics in appropriate plastic re-cycling facilities.
Dispose of non-recyclable plastics in the appropriate plastics collection service.

Disposal of the Product

You should now recycle your waste electrical goods and in doing so help the environment. This symbol means waste electrical products at the end of their useful life should not be disposed of with normal household waste. Please ensure it is taken to a suitable facility for disposal. Check with your Local Authority or retailer for recycling advice or visit www.recycle-more.co.uk, enter your postcode to find out your nearest recycling site.

This symbol means batteries and rechargeable batteries may not be disposed of with household waste!
As the end user you are required by law to bring all batteries and rechargeable batteries to a collection point run by the Local Authority or to a retailer, so that they can be disposed of in an environmentally friendly manner.



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Customer Support

Should you require any product information, replacement parts or accessories, please contact our customer care team at help@daewooelectricals.com or call 0161 831 7879.

• Replacement parts and accessories are guaranteed for 1 year from the date of purchase.

• It is important to note that your warranty becomes invalid should non Daewoo parts or accessories be used with this appliance

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