

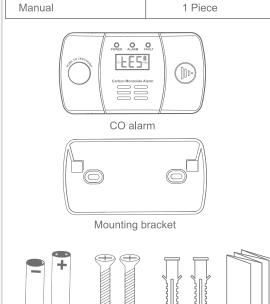




IMPORTANT! PLEASE READ CAREFULLY AND SAVE. This user's manual contains important information about your CO Alarm's operation. If you are installing this CO Alarm for use by others, you must leave this manual—or a copy of it—with the end user.



PACKING LIST						
ľ						
	PART NAME	QUANTITY				
	CO alarm	1 Piece				
	Mounting bracket	1 Piece				
	AA battery	2 Pieces				
	Screw	2 Pieces				
	Anchor plug	2 Pieces				
	14 1	4.5:				



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AA battery	Screw	Anchor plug	Manua

CONTENTS
1. TECHNICAL SPECIFICATIONS AND FEATURES01 2. ALARM CONDITIONS

	1.TECHNICAL FEATURES	SPECIFICATIONS AND	
l	1.1 TECHNICAL SPE	CIFICATIONS	
l	Power	DC 2×1.5V Alkaline AA LR6(PAIRDEER)	
l	Sensor Lifespan	max.10 years	
l	Temperature	−10°C~+40°C	
l	Humidity	0%~95%RH non-condensing	
l	Sound Level	≥85dB at 3 m	
l	Alarm output	Visual and audible indication	
l	Warm-up period	Approx.100 seconds	

According to EN 50291-1: 2018

Advanced electrochemical CO sensor technology

competent person.If the apparatus is tam-

pered with, then there is possible hazards

of electric shock or malfunction.

What you should know about carbon monoxide(CO)

Carbon monoxide(CO) is a dangerous poison.It is

a colourless,odourless and tasteless gas. CO gas

is generated by combustion of carbonaceous

materials, namely, when not enough oxygen is

This hazard can occur, for example, in open

fireplaces, boilers, stoves and automobile

exhaust. This toxin is bound in the blood where it

prevents the transport of oxygen, which can cause

death by suffocation. Everyone is susceptible but

experts agree that unborn babies, pregnant

respiratory problems are especially vulnerable.

Initial carbon monoxide poisoning symptoms are

similar to the flu with no fever and can include

dizziness, severe headaches, nausea, vomiting

and disorientation.if symptoms of carbon

be determined by a carboxyhaemoglobin test.

and exhaust systems.

∠ Danger CO |

50ppm

monoxide poisoning are experienced, seek

medical attention immediately,CO poisoning can

Digital temperature compensation technology

■LCD backlight, visible in the dark (Optional)

Hush mode:silence an unwanted alarm

△ IMPORTANT:

Battery life 5 years

1.2 FEATURES

Low battery warning

Anti-RF Interference

3. IMPORTANT SAFETY INFORMATION PLEASE READ AND SAVE THESE INSTRUCTIONS.

IMPORTANT! This Carbon Monoxide (CO) Alarm is a sophisticated instrument that has been carefully designed and tested to detect CO build-up in residential environments. CO cannot be seen, smelled or tasted and can be fatal. The build-up of CO in the blood is called the carboxyhaemoglobin level and interferes with the body's ability to supply itself with oxygen. Depending on the concentration, carbon monoxide can kill in minutes. The apparatus should be installed by a

2. ALARM CONDITIONS

50 ppm

O concentration No alarm within

30 ppm 120 min

60 min

100 ppm 10 min 40 min

90 min

■ The most common sources of CO are malfunctioning, or misuse of gas appliances used for heating and cooking, vehicles engines, electric generators, blocked chimneys or 4. HOW DOES YOUR CO ALARM WORK flues, portable fuel burning heaters, fireplaces, fuel powered tools and operating a grill in an enclosed space. ■ Indications of CO poisoning include 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 unbom babies, small children, pregnant women, senior citizens and people with heart or respiratory problems may experience symptoms sooner. Each year a qualified technician should inspect and clean your heating system, women,senior citiizens and people with heart or Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations.

Pay special attention to these items. ● THIS IS NOT A SMOKE ALARM! This CO Alarm is designed to detect carbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any

It is NOT designed for marine or RV use. CAUTION! This CO Alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas. **!**\ WARNING! Always check your home for a potential problem after any alarm. Failure to do so can result in injury or death.

This CO Alarm is approved for use in single-family residences.

NEVER ignore any alarm. If there is any question as to the cause of an alarm it should be assumed that the alarm is due to dangerous levels of carbon monoxide and the dwelling should be evacuated. See Section 9 WHAT TO DO IF TH ALARM SOUNDS for more information on how to respond to an alarm. Failure to respond can result in injury or death. Test this Carbon Monoxide Alarm once a week. If it ever fails to test correctly, have it replaced immediately! If the CO Alarm is not working properly, it cannot alert you to a

may make them more sensitive to carbon monoxide may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm. For additional information on carbon monoxide and your medical condition contact your physician.

■ This product is intended for use in ordinary indoor locations of

family living units. Individuals with medical conditions that

POWER ALARM FAULT SHOTESTALE CESTALE

Carbon Monoxide	Marm 6
1 Test / Hush Button	2 Power Light
3 Alarm Light	4 Fault Light
	_

1 Test / Hush Button	2 Power Lig
3 Alarm Light	Fault Ligh
5 LCD Display	6 Battery Co
Alarm Horn	

—01—		— 03 —				
The following symptoms are related to CARBON MONOXIDE POISONING and should be discussed with ALL members of the household:	NOTE: "DISPLAY" item only covers the model with digital display.					
1.Mild Exposure:Slight headache,nausea,vomiting,	CONDITION	OPERATION	LED	HORN	DISPLAY	
fatigue(often described as Flu-like symptoms). 2.Medium Exposure:Severe throbbing headache, drowsiness,confusion,fast heat rate. 3.Extreme Exposure:Unconsciousness,convulsions,	Power up and Warm-up	Install 2 * AA battery correctly to power the alarm on. Warm-up lasts approx.100 seconds LCD backlight will be on for 5 seconds. LCD will display from 0 to 9 in sequence. When completed, LEDs and backlight turn off.	The red/yellow/green LEDs flash alternately.	One short beep	888*	
cardiorespiratory failure,death.	Stand-by condition	After warm-up period, the alarm turns to standby condition.	The green LED flashes every 30 seconds.	None	None	
Important information Note that there are other hazards where the CO detector will not trigger an alarm, such as gas	Test condition	Press and release Test/Hush Button to check whether CO alarm works normally.	Green and yellow LEDs turn off. Red LED flashes four times.	The alarm sound four beeps.	FE2.	
leaks, fires or explosions. A CO detector is no substitute for smoke, fire, heat or other gas detectors!	Alarm condition	The presence of carbon monoxide.	Red LED flashes every 5 seconds.	Four beeps every 5 seconds	Display Number from 25-999	
This device is intended for use within private housing.It is suitable neither for commercial or	Low battery	None	Yellow LED flashes every 30 seconds.	One beep every 30 seconds	Lb ^o	
industrial applications nor for use on recreational craft or commercial vessels.	Malfunction	None	Yellow LED flashes twice every 30 seconds.	Two beeps every 30 seconds	Err"	
This detector is intended to protect persons from the acute effects of carbon monoxide. It can not provide people with special medical properties	End of unit life	None	Yellow LED flashes twice every 30 seconds.	One long beep and one short beep every 30 seconds	End*	
complete security. If in doubt you should consult a physician.	Exceed CO measuring range	None	Red LED flashes every 5 seconds.	Four beeps every 5 seconds	со 999 🖺	
Gas appliances/equipment should be installed by trained personnel only. Get the devices/equipment in good mechanical condition and have them		Silence an unwanted alarm, push and release the test/hush button, it will enter hush mode.	RED LED flashes quickly	None(Hush condition duration: about 10 minutes)	Display number from 25 to 999*	
checked regularly. The installation of the CO detector should not be used as a substitute for proper installation, use and maintenance of fuel-	Hush condition	When the CO alarm is alarming as low battery, push the test/hush button, it will enter hush mode.	Yellow LED flashes every 30 seconds.	None(Hush condition duration: about 12 hours)	Lb ^o	
fired facilities, including appropriate ventilation	* Attention, If remote allegains function is qualished, any remote allegains feature shall only be used in line of sight of the CO clare.					

ger CO Levels			level. The Hush Feature is intended		
	APPROXIMATE INHALATION TIME AND SYMPTOMS DEVELOPED		5.	WHERE TO LOCAT	
	The maximum allowable concentration for continuous exposure for healthy adults in any 8-hour period.		5.1	A CO Alarm should be cer separate sleeping area in bedrooms. For added pro	
	Olimbet beautiful of etimes dimeiorance			beardonns, i or added pre	

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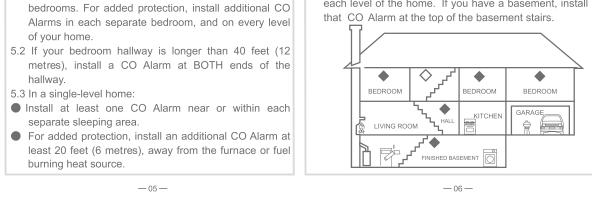
200ppm 400ppm	Slight headache,fatigue,dizziness,nausea after 2-3 hours. Frontal headaches within 1-2 hours,life threatening after 3 hours.	Alarms in each separate of your home. 5.2 If your bedroom hallwa
800ppm	Dizziness,nausea and convulsions within 45 minutes.Unconsciousness within 2 hours. Death within 2-3 hours.	metres), install a CO A hallway.
1600ppm	Headache, dizziness and nausea within 20 minutes. Death within 1 hour.	● Install at least one CO
3200ppm	Headache, dizziness and nausea within 5-10 minutes. Death within 25-30 minutes.	separate sleeping area. For added protection, ins
6400ppm	Headache, dizziness and nausea within 1-2 minutes. Death within 10-15 minutes.	least 20 feet (6 metres), burning heat source.
12800ppm	Death within 1-3 minutes.	Janning Heat Searce.
	00	

ded to temporarily silence the Alarm horn, if will not correct a CO problem. 5.4 In a multi-level home—(same as above plus): ● Install at least one CO Alarm near or within each centrally located outside of each separate sleeping area. in the immediate vicinity of the For added protection, install at least one CO Alarm on protection, install additional CO each level of the home. If you have a basement, install Alarms in each separate bedroom, and on every level that CO Alarm at the top of the basement stairs. 5.2 If your bedroom hallway is longer than 40 feet (12 metres), install a CO Alarm at BOTH ends of the

Hushing: When the CO Alarm is sounding an alarm after a suspected false alarm, you can press the Test/Hush button and the CO alarm will remain

silent for 10 minutes. While the Alarm is silenced, it will continue to monitor the air for CO. The alarm will sound again, if CO level still at dangerous

* Attention: If remote silencing function is available, any remote silencing feature shall only be used in line of sight of the CO alarm.



CO alarms for limited protection Additional CO alarms for better coverage For added protection, install an additional CO Alarm at least 20 feet (6 metres) away from the furnace or fuel burning heat source.

6. LOCATIONS TO AVOID

IMPORTANT: Improper location can affect the sensitive electronic components in this alarm. To avoid causing

Align the two longest mounting slots with the line. Draw damage to the unit, to provide optimum performance, a mark in the centre of each slot. and to prevent unnecessary nuisance alarms, DO NOT Note: The arrow marked in the bracket shall be placed 6.1 In garages, kitchens, furnace rooms, or in any

extremely dusty, dirty or greasy areas. 6.2 Where combustion particles are produced. Combustion particles form when something burns. Areas to avoid include poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 metres) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6-metre) distance is not possible — in modular, mobile, or smaller homes, for example — it is recommended the CO Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fueldirectly next to a fuel-burning source. Ventilate these areas as much as possible. 6.3 Within 5 feet (1.5 metres) of any cooking appliance. 6.4 In extremely humid areas. This Alarm should be at

least 10 feet (3 metres) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other source of high humidity. 6.5 In areas where temperature is colder than -10°C or hotter than 40°C . These areas include nonairconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and 6.6 In turbulent air , like near ceiling fans, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from reaching the sensors. 6.7 In direct sunlight.

— 07 —

6.8 When scouring or stripping a wooden floor, painting,

safe place to prevent damaging the sensor.

cleaning agents can cause damage.

7.HOW TO INSTALL

perform the following steps:

compartment.

sounds one beep.

6.9 High concentrations of the following substances can

wallpapering or using adhesive or aerosol, you should

remove the carbon monoxide alarm and keep it in a

damage the sensor, which often results in a false alarm:

methane,propane,isopropyl butane,ethylene,ethanol,

hydrogen,hydrogen sulfate and sulfur dioxide.Also

aerosol sprays,alcoholic products,paint,solvents,

adhesive,hair spray,aftershave,perfume and certain

isopropyl alcohol,benzene,toluene,ethylacetate,

!\ Caution:

Mounting slot

(3) Screw the alarm into the bracket.

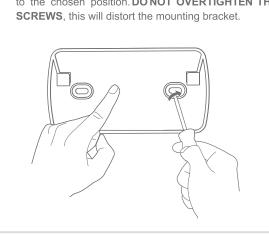
alarm by using the test button.

.2 MOUNTING

humidity may reduce battery life. After installing or

changing the batteries, reinstall your alarm. Test your

burning source, and thus reduce "unwanted" alarms. (3) Drill the holes at the marks with a 3/16-inch (5mm) drill. Unwanted alarms can occur if a CO Alarm is placed Note: Keep CO alarms away from getting plaster dust when you drill the holes. (4) Insert the anchor plugs and screw the mounting bracket to the chosen position. DO NOT OVERTIGHTEN THE **SCREWS**, this will distort the mounting bracket.



keyholes in the back mounting bracket of the alarm.

Screw the alarm into the mounting bracket until it snaps

After the mounting bracket is secured to the wall,

(5) Hook the CO alarm over the screws and onto the 10. TROUBLESHOOTING

9. WHAT TO DO IF THE ALARM SOUNDS IMPORTANT: Constant exposures to high or low 9.1 Call your emergency services (fire dept.). 9.2 Immediately move to fresh air - outdoors or by an open door/window. Do a head count to check that all persons

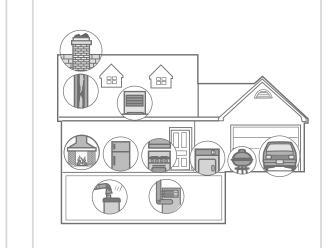
are accounted for. Do not re-enter the premises nor

emergency services responders have arrived, the

move away from the open door/window until the

For wall mounting or ceiling mounting, follow these steps: premises have been aired out, and your alarm remains (1) Draw a horizontal line 4 inches (10 cm) long on the in its normal condition. area of walls where this CO alarm is intended to locate. 9.3 After following steps 9.1-9.2, if your alarm reactivates (2) Locate the mounting bracket in your chosen position. within a 24 hour period, repeat steps 9.1-9.2 and call a qualified appliance technician to investigate for sources of CO from fuel burning equipment and appliances, 9.4 If problems are identified during this inspection have

the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturer's instructions, or contact the manufacturer's directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence. 9.5 Do not press the Test Button, the Test Button can not cancel the alarm.



Please check whether

one who has recently used drugs or has been drinking alcoholic beverages. This is especially true if the door is closed or only partly open. Even persons who are awake may not hear the alarm horn if the sound is blocked by distance or closed doors. Noise from traffic, stereo, radio, television, air conditioner, or other appliances may also prevent alert persons from hearing the alarm horn. This CO Alarm is not intended for people who are

hearing impaired.

11.5 CO Alarms are not a substitute for a smoke alarm. Although fire is a source of carbon monoxide, this CO Alarm does not sense smoke or fire. This CO Alarm senses CO that may be escaping unnoticed from malfunctioning furnaces, appliances, or other sources. 11.6 CO Alarms are not a substitute for life insurance. Though these CO Alarms warn against increasing CO

11.7 CO Alarms have a limited life. Although the CO Alarm and all of its parts have passed many stringent tests and are designed to be as reliable as possible, any of these parts could fail at any time. Therefore, you must test your CO Alarm weekly. 11.8 CO Alarms are not foolproof.

levels, we do not warrant or imply in any way that

they will protect lives from CO poisoning. Homeowners

and renters must still insure their lives.

Like all other electronic devices, CO Alarms have limitations. They can only detect CO that reaches their sensors. They may not give early warning to rising CO levels if the CO is coming from a remote part of the home, away from the CO Alarm. The CO Alarm may not prevent the chronic effects of long time exposure to CO

Correct Disposal of This Product(Waste Electrical&Electronic Equipment) (Applicable in the European Union and other European countries with separate

collection systems). This marking shown on the product or its literature,indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal,please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they

can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes

batteries are properly installed *Always throw used batteries to the battery Press Test button, CO If no problem with batteries recycling bin. alarm shows no response. and CO alarm still shows no *If the battery is built-in inside the product,open response, please contact your the product and remove the battery. Yellow LED flashes and the alarm sounds one beep every 30 seconds.

Battery is low – REPLACE IT IMMEDIATELY!

✓!\ Warning: Except the battery replacement, it's forbidden for the user to disassemble the CO alarm privately which may cause damage to the CO alarm.

! Caution: The CO alarm is for indoor use only, and it is not designed for use in a recreational vehicle or mobile home. The CO alarm should be installed by a competent person. This apparatus is designed to protect individuals from the If children or others do not readily waken to the sound acute effects of carbon monoxide exposure. It will not fully safeguard individuals with specific medical conditions. If in of the CO alarm, or if there are infants or family

doubt, please consult a medical practitioner.

11.3 CO Alarms may not sense CO on another level of the home. For example, a CO Alarm on the second level, Simplified Declaration of Conformity near the bedrooms, may not sense CO in the Importer: Ferguson Sp. z o.o., ul. Dworska 1, 61-619 Poznań basement. For this reason, one CO Alarm may not give Name: Standalone CO Alarm FACO1 adequate warning.Complete coverage is recommended. Type of device: Carbon monoxide sensor The aforementioned product complies with Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment, and repealing Directive 1999/5/EC. The full Declaration of Conformity is available for

download at:



8.1 Test the alarm once a week by pressing the 8.2 Vacuum the alarm cover once a month to remove someone is assigned to assist them in the event of an accumulated dust.



contaminate the sensor. aerosols near the alarm. interfere with proper sensor operation.

Carbon Monoxide Alarm

8.3 Never use detergents or solvents to clean the alarm. Chemicals can permanently damage or temporarily 8.4 Avoid spraying air fresheners, hair spray, paint or other 8.5 Do not paint the unit. Paint will seal the vents and

Place CO Alarms on each level of the home. 11.4 CO Alarms may not be heard. The Alarm horn loudness is above 85 dB at 3.28 feet(1 metre). However, if the CO Alarm is installed outside the bedroom, it may not wake up a sound sleeper or

Yellow LED flashes twice | Sensor or unit malfunction.

members with mobility limitations, make sure that

11.2 This CO Alarm will not sense carbon monoxide that

does not reach the sensor. CO may be present in

other areas. Doors or other obstructions may affect the

rate at which CO reaches the CO Alarm. For this

reason, if bedroom doors are usually closed at night,

we recommend you install a CO Alarm in each

bedroom and in the hallway between them.

and the alarm sounds two Please contact your local

beeps every 30 seconds. distributor.

11. LIMITATIONS OF CO ALARMS