

ALLCLEAR ACGL-001PE Smoke Detecting Alarm User Manual



ACGL-001PE Smoke Detecting Alarm User Manual

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Amendments

Version	Amendment	Date of Issue	
1	New	6/10/2022	AC

Contents

- [1 Introduction](#)
- [2 Features](#)
- [3 Technical Parameters](#)
- [4 Appearance](#)
- [5 Dimensions](#)
- [6 Activation](#)
- [7 Installation](#)
- [8 Alarm memory](#)
- [9 Maintenance](#)
- [10 Troubleshooting](#)
- [11 Documents / Resources](#)
- [12 Related Posts](#)

Introduction

The ACGL-0011DE Smoke detecting alarm is composed of a sophisticated analog circuit and digital circuit It is a low voltage, photoelectric, independent smoke alarm with a 3v lithium manganese battery. The alarm has a low power consumption, and the battery can last for up 10 years.

Features

- ✓ photoelectric smoke detection
- ✓ High sensitivity
- ✓ Local smoke alarm memory
- ✓ Normal detection mode and low sensitivity detection mode (hush)

- ✓ Built-in 10-year lithium/manganese battery (battery does not need to be replaced)
- ✓ 10 years life end warning tone
- ✓ low voltage warning tone
- ✓ low power consumption.

Technical Parameters

Technical Parameters	Smoke Detector		
	Voltage	DC3V (built-in CR123A)	
	Low voltage inspection	2.2V	
	Current	Working Current	Quiescent current
		5.120mA	52uA
	Status display	Normal	LED (red) flashes once every 344 seconds. no alarm sound
		Smoke detection or Key Test	LED (red) flashes and continuous alarm is given
		Low sensitivity detection (Hush mode)	LED (red) flashes every 10 seconds, no alarm sound. automatically cancel low sensitivity detection about 9 minutes later
		Alarm memory	LED (green) flashes 3 times every 43 seconds and stops after 24 hrs. The first time you press test/mute button after alarm is activated, the detector will enter special alarm mode.

		End of service life	After 10 years of active life the alarm will sound 3 times every 43 seconds. (Replace alarm with new device)
		Low voltage inspection	LED (red) flashes once. alarm sound continuously for about 43 seconds
	Alarm loudness		≥ 85dB/3m
	Working Temperature		-10°C – +40°C
	Ambient Humidity		59-96RH (no condensation)

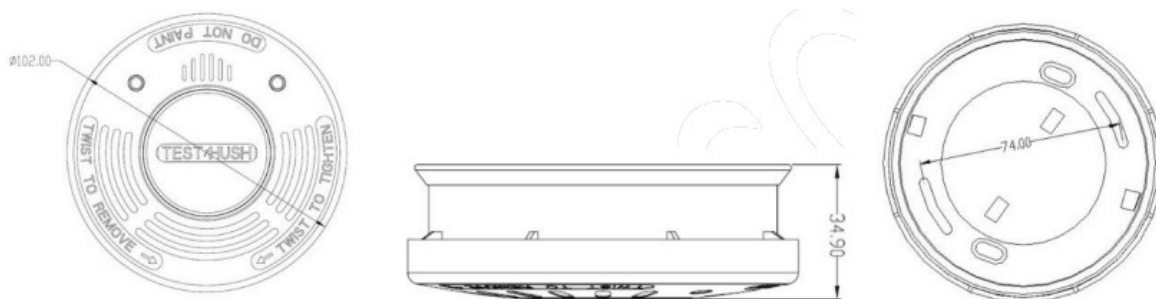
Appearance



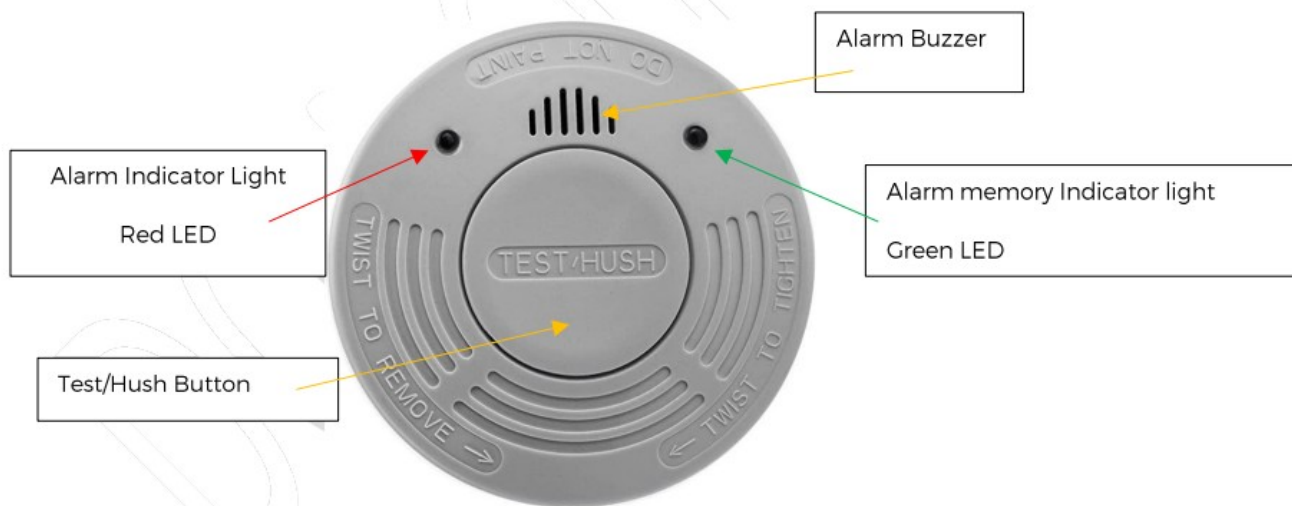
ACGL-001PE

Dimensions

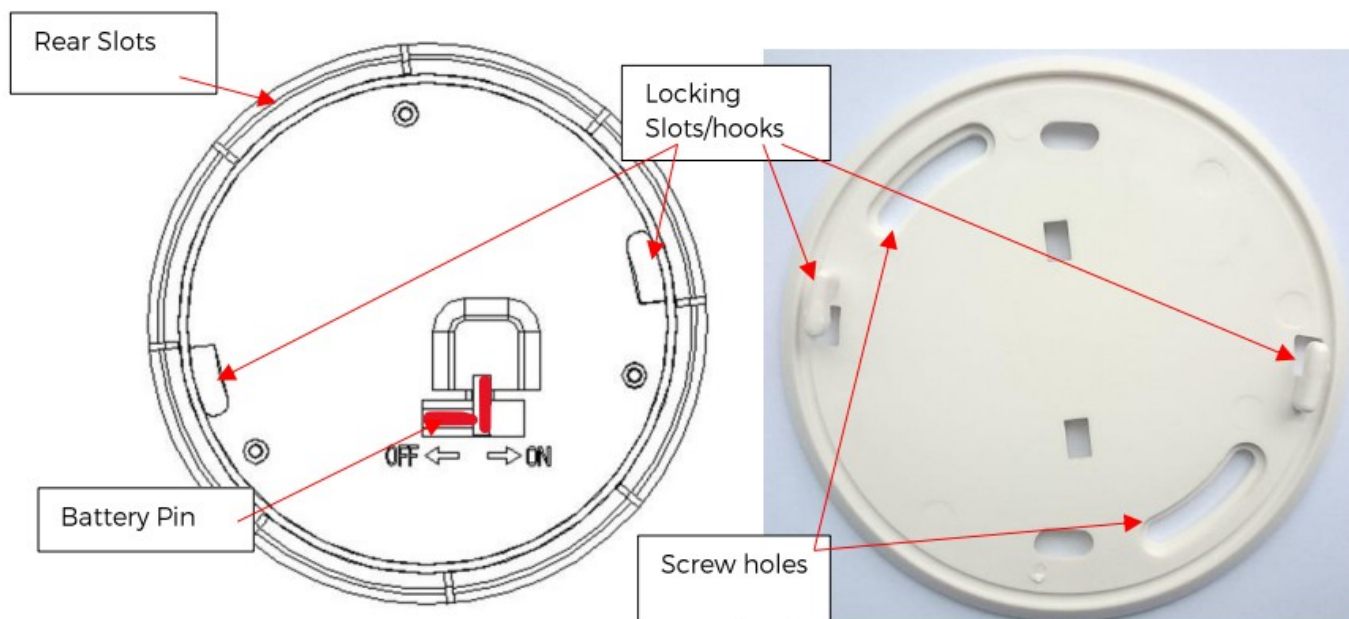
Overall diameter	102.
Height	34.9
Distance between base screw slots	74.0



Nomenclature



Front



Rear

Base plate

Activation

1. Remove the product and detach the base plate by turning anti clockwise
2. Turn the device over and you will see the battery pin is in the off position (figure 1)
3. To activate the device, slide the pin back and lock the top into the battery pin groove. (figure 2) The pin should sit flush with the back of the device.



Figure 1



Figure 2

4. Check the device is activated by checking the alarm indicator light (red LED). This should flash once every 344 seconds (5mins)

Installation

1. Choose a suitable location to install the alarm. (Do not install alarms in "Dead Zones". near bathrooms, kitchens or air vents)
2. Mark out the screw locations using the base plate as a template.
3. Drill guide holes for the screws.
4. Insert the plastic lugs into the holes
5. Affix the base plate to the surface using the screws. Ensure the locking hooks are facing out.
6. Once the base plate is secured. take the alarm, and align the locking holes with the locking hooks.
7. To lock the device into place, turn clockwise gently.

Test the device

1. Press the Test/Hush button. The red LED indicator light will flash quickly. and the alarm will activate. This will show that the alarm is working. The alarm will enter the low sensitivity detection state (red LED flashes once every 10 seconds but no alarm is sounding) for about 9 minutes before returning to its normal state.
2. Use a small amount of smoke to test if the alarm activates under smoke conditions. Once the alarm has activated you can press the hush button to silence the alarm. The alarm will enter the low sensitivity detection state (red LED flashes once. every 10 seconds but no alarm is sounding) for about 9 minutes before returning to its normal state. The alarm will not activate again until the smoke concentration is higher.
3. If you press the Test/Hush button again you will cancel the low sensitivity detection state and the alarm will return to normal mode.

Note If. after cancelling low sensitivity detection state there is residual smoke in the chamber, the alarm will activate again.

Alarm memory

The AGL-001PE smoke alarm has an alarm memory which activates after the alarm has been set off. Green LED will flash 3 times, every 13 seconds and repeats every 43 seconds. This is so the user can tell if the alarm has been activated from a distance without touching the alarm. The LED display will deactivate after 24 hours. If you press the test/hush button after the alarm is activated the alarm will go into its special alarm mode. After you release the test/mute button the alarm memory will be purged.

Maintenance

1. It is recommended by the manufacturer to test the alarm weekly. However, once a month is fine.
2. Keep the alarm clean by wiping down with a wet wipe. Keep the device free from dust and fly droppings. This should be done regularly
3. If the alarm is faulty or not working correctly, seek the advice of an installation specialist. (DO NOT dismantle the device)

Troubleshooting


Problem	Likely cause	solution	Remarks
No response when pressing the test/hush button	Battery Pin is in the OFF position	Slide the Battery Pin to the ON position	
	Circuit fault or Battery Fault	Seek professional advice/ Replace device	
Alarm beeps every 5 minutes	Alarm has issue with temperature or humidity Battery has low voltage	Seek professional advice/ Replace device	

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