



### warranty card

the producer grants a 24-month warranty

1. ZAMEL Sp. z o.o. the producer grants a 24-month warranty for the sold goods.
2. The warranty granted by ZAMEL Sp. z o.o. does not cover:
  - a) any mechanical damages resulting from transport, loading/unloading or other circumstances,
  - b) any damages resulting from improper installation or use of the goods sold by ZAMEL Sp. z o.o.,
  - c) any damages resulting from any modifications made by the BUYER or any third party to the sold goods or to the equipment required for the proper functioning of the sold goods
  - d) any damages resulting from a force majeure event or another fortuitous event for which ZAMEL Sp. z o.o. is not responsible
  - e) the power supply (batteries) included with the device upon its sale (if applicable).
3. The BUYER shall report all claims under warranty at the point of sale or to ZAMEL Sp. z o.o. in writing.
4. ZAMEL Sp. z o.o. undertakes to investigate complaints in accordance with the applicable provisions of the Polish law.
5. The form of complaint resolution, e.g., replacement, repair or refund, shall be decided upon by ZAMEL Sp. z o.o.
6. This warranty does not exclude, limit or suspend any rights of the BUYER arising from the provisions of law concerning an implied warranty for defects of sold goods.

salesperson's stamp and signature,  
date of sale

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ZAMEL Sp. z o.o.  
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## CDB-01 SMOKE DETECTOR

### Features:

- compliant with the European standard regarding smoke detectors: EN14604:2005/AC1:2008
- photoelectric sensor
- battery operated (battery 9 V type: 6F22)
- optical signalling
- sound signalling (85 dB)
- low battery signalling
- button to test the technical condition of the detector and if need be to mute the alarm

Please read the manual thoroughly before installing the detector.

Power supply: 1 x battery 9 V type 6F22; IP20  
Product net weight: 0.13 kg



Country of origin: PRC  
Manufactured for: Zamel Sp. z o.o. by: KDM Ltd.  
The Declaration of Conformity can be found at [www.zamel.com](http://www.zamel.com)



# zamel

## SMOKE DETECTOR

# CDB-01

# gardi

alarm volume: 85 dB

photoelectric sensor

battery-operated

manual  
included

[www.zamel.com](http://www.zamel.com)



## TECHNICAL DATA

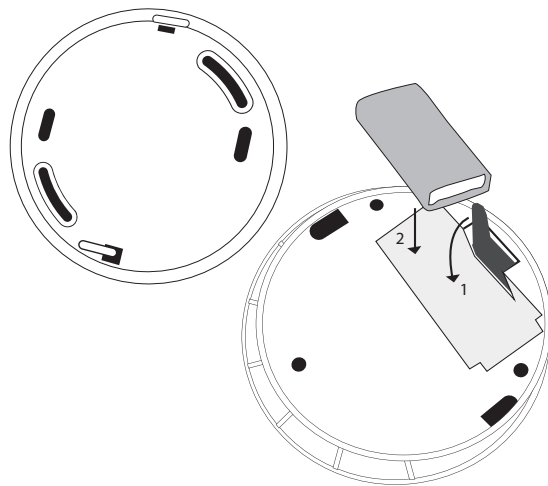
- power supply: 1x battery 9 V type: 6F22
- detector: photoelectric
- power input in sleep mode: 12  $\mu$ A
- power input during the alarm: 20 mA
- sound volume: 85 dB
- optical signalling: LED
- compliant with the standard: EN14604:2005/AC1:2008
- protection class: III
- protection rating: IP20
- temperature operating range: from -10°C to +40°C
- humidity operating range: up to 90% RH
- dimensions [mm]:  $\varnothing$  103x32

## INSTALLATION

- The smoke sensors should be installed in the middle of the ceiling of the rooms that are to be monitored for fire.
- The optimal solution ensuring the maximum protection is to place one detector in every room (excluding bathroom, boiler room, etc.)
- At the minimum you should place at least one detector on each floor of the building.
- You must make sure that the alarm signal can be well heard from other rooms.
- The detector should not be installed near windows, ventilation grilles or air-conditioners that may affect the measurement, nor in bathrooms where the steam may trigger a false alarm.
- The detector should not be installed in rooms with high level of dust (e.g. boiler rooms) and in rooms that do not meet the requirements as for the acceptable levels of temperature and/or humidity (e.g. bathrooms).

### In order to install the device:

- disassemble the backside of the casing by twisting it counterclockwise in order to release the clips
- plug the battery (9 V type 6F22) into the clip and put it in by pressing the red lock (1), which is to prevent closing the detector without installing the battery first (2)
- screw the backside of the casing to the wall with the screws included in the package, and then place the detector on the wall by rotating it clockwise until the clips click into place



## FUNCTIONS

### 1. First boot-up

After mounting the battery you must press and hold the button, TEST/HUSH, until a sound signal is made and a red LED goes on. It is a technical condition test that means that the device works properly. It is recommended to do such tests once per month, which also will result in regular checks of the device's technical condition.

### 2. Normal operation mode

After doing the test by pressing and holding the TEST/HUSH button the device will go into a lowered sensitivity mode, signalled by the diode blinking once per 10 seconds. Approximately after 10 minutes the detector will go into the normal operation and threat detection mode, signalled by the red diode blinking once per 43 seconds.

### 3. Alarm

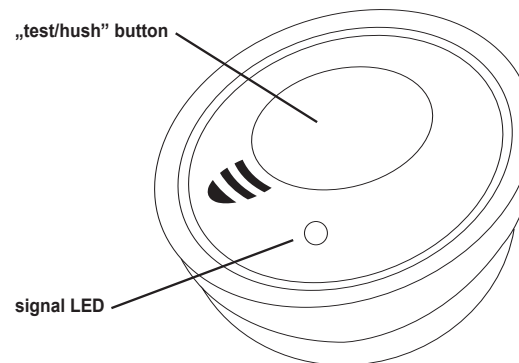
If the device detects smoke in the room, a loud sound signal is made and the diode starts blinking.

### 4. Alarm mute function

If the smoke has been detected and the alarm has gone off, the user can mute the alarm by pressing the "TEST/HUSH" button. In that case only the diode keeps on blinking every 10 seconds and the device goes into the lowered sensitivity mode. After approximately 10 minutes the device goes back to the normal operation and threat detection mode. If the threat is not gone, the loud alarm will go off again.

### 5. Low battery signalling.

If the battery is low, the detector indicates it with a single sound signal made every 43 seconds. It means that the battery in the device must be replaced immediately.



## NOTE

- clean the device regularly, do not let any dust into the air-intake of the detector
- install the devices in places that meet the requirements as for the acceptable temperature and humidity
- do not cover the device in paint when painting the walls
- do not spray cleaning products directly to the device
- do not let any water-spills on the detector
- install the detectors in accordance with the recommendations (section: Installation)
- test the device once per month or every time the battery is replaced

**It must be noted that smoke detectors improve safety, yet do not guarantee a 100% certainty of the detection of fire due to the possibility of a breakdown, discharged battery or an impact of external factors on the detector. Thus, it is crucial to systematically test the technical condition of the detectors (as indicated in this manual) and replace the batteries immediately, whenever the need of its replacement is indicated by the detector.**

**PLEASE READ THIS MANUAL THOROUGHLY BEFORE INSTALLING THE DETECTOR.**