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CTW-03 CARBON MONOXIDE DETECTOR

It is recommended that the device is installed by a qualified individual

The present device has been designed to protect people against severe outcomes of exposure to carbon oxide. However, it is not able to fully protect persons with special health problems. If in doubt, consult a physician.

Read the User Manual inside the packaging before installing the detector.

Keep the product in a dry place away from sunlight. Protect the detector from damage in transport and while handling; damage may reduce the service life.

Do not use the detector if any damage is evident.

Carbon monoxide (CO) is a highly toxic, colourless and odourless gas that easily spreads in the air. Carbon monoxide is a product of incomplete combustion of certain fuel types, including: wood, furnace oil, earth gas, petrol, kerosene, propane gas, coal, or petroleum. Carbon monoxide is colourless and odourless; it is then critical to provide early detection and warning of hazardous CO concentration in inhabited rooms.

FEATURES:

- **Tested in Poland** in a dedicated test chamber: features an additional Certificate of Performance in 300 ppm detection in less than 3 minutes of exposure
- Carbon monoxide detection levels (ref. standard: PN-EN50291-1:2010+A1:2012: 50 ppm (in up to 90 minutes); 100 ppm (in up to 40 minutes); 300 ppm (in up to 3 minutes)
- Electrochemical sensor (**10 years of service life**)
 - LCD with actual CO concentration readings and user messages
 - Battery-operated
 - Low battery indicator
 - Detector failure indicator (self-diagnostic system)
 - Past CO detection event memory



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CARBON MONOXIDE DETECTOR

CTW-03



LCD screen

Battery-operated

www.zamel.com

User Manual inside



Do not dispose of this device with other waste! In order to avoid harmful effects on the environment and human health, the used device should be stored in designated areas. For this purpose, you can dispose of household waste free of charge and in any quantity to a collection point set up, as well as to the shop when you buy new equipment.

Power supply: 3 x 1.5 V batteries, type AA; IP20
Net weight: 0,13 kg



Country of origin: PRC
Manufactured for: Zamel Sp. z o.o. by: NDE Ltd.

The Declaration of Conformity is available at www.zamel.com



SPECIFICATIONS

- Power supply: 3 x 1.5 V batteries, type: AA
- Sensor design: electrochemical (approx. 10 years of service life)
- Stand-by input current: 35 uA
- Alarm mode input current: 85 mA
- Sound level: 85 dB
- Light alarm indication
- LCD with CO concentration readings and message output
- Carbon monoxide detection levels (ref. standard: PN-EN 50291-1:2010+A1:2012):
 - 50 ppm (in up to 90 minutes)
 - 100 ppm (in up to 40 minutes)
 - 300 ppm (in up to 3 minutes)
- Additional Test Certificate for CO Detection Sensitivity (300 ppm detected in less than 3 min), tested in a dedicated test chamber
- Ingress protection rating: IP 20
- Operating temperature: 0°C to +45°C
- Operating humidity: 0 to 90% RH
- Dimensions: 140 × 65 × 27 mm

1. INSTALLATION

- It is recommended that the device is installed by a qualified individual.
- Keep the product in a dry place away from sunlight. Protect the detector from damage in transport and while handling; damage may reduce the service life. Do not use the detector if any damage is evident. It is recommended to have the product installed by a qualified professional.
- Install the detector near locations extremely exposed to carbon monoxide concentrations developing from combustion of fuel, e.g. earth gas, wood, or coal. To prevent false detection alarms, install the CO detector at least 2 m from all potential carbon monoxide emission sources.
- Install the CO detector approx. 150 cm above the floor.
- To ensure optimum protection against CO hazards, install CO detectors in all rooms of prolonged inhabitation, especially bedrooms. Install at least one CO detector per storey in multistorey buildings.
- Do not install CO detectors in 'dead spaces' (e.g. in recesses closed off by pieces of furniture or curtains, underneath the roof gable, etc.) and wherever the detection performance will be reduced by currents of fresh air (e.g. near doors, windows, ventilation diffusers or air fans). Do not install CO detectors in locations highly exposed to airborne dust, aerosols or household chemical which may cause irreparable failure of the detector.

Read the User Manual inside the packaging before installing the detector.

While an installed CO detector greatly improves indoor habitation safety, they are not 100% reliable in CO detection due to the risks of detector failure, battery depletion and ambient effects. It is critical to periodically test the performance of CO detectors (which is specified in this User Manual) and home heating equipment (including stoves, heaters, etc.) and inspect all ventilation and flue gas exhaust systems for obstruction in the rooms monitored by CO detectors to minimise CO concentrations that are hazardous to health and life.

Warranty Certificate

24-month commercial warranty granted by
ZAMEL Sp. z o.o.

1. ZAMEL Sp. z o.o. grants a 24-month warranty for the products it sells.
2. The warranty granted by ZAMEL Sp. z o.o. does not cover:
 - a) defects caused by transport, handling or other factors;
 - b) defects caused by improper installation or operation of the products manufactured ZAMEL Sp. z o.o.;
 - c) defects caused by any modifications or alterations made by the BUYER or any third party to the sold products or to the equipment required for the proper operation of the sold products;
 - d) defects caused by any force majeure event or another fortuitous event beyond any reasonable control of ZAMEL Sp. z o.o.
 - e) the power supply (batteries) included (if any) with the product as sold.
3. The BUYER shall submit all warranty claims in writing to the original reseller or to ZAMEL Sp. z o.o.
4. ZAMEL Sp. z o.o. will examine each warranty claim as regulated by the applicable provisions of the Polish law.
5. If found valid by examination, the warranty claim will be processed by replacement of the defective product, its repair or a refund of the price of purchase at the sole discretion of ZAMEL Sp. z o.o.
6. This warranty is only effective on the following territories: Republic of Poland.
7. No rights of the BUYER arising from the statutory or regulatory laws concerning implied warranty for defects of sold goods are limited, prejudiced or excluded by this warranty.

Reseller's stamp and signature with date