

## Wireless smoke detector "CT-RMPro"

**Item no. 21198**

### Product description:

The highlight of this detector: if a smoke detector sounds an alarm, all networked smoke detectors of this type are activated by radio. In this way, the fire is immediately reported throughout the house and not just in the room where it occurs. Your life and that of your family should be worth so much security to you! Corresponds to the latest, strict EN 14604 and thus offers first class fire protection

### Technical details:

- easy installation under the ceiling
- 85dB strong alarm signal
- Radio range up to 40m
- Networking of up to 20 detectors
- Operation via 9V battery (not included) and 3x1.5V mignon (not included), no external power supply required
- Specification of the maximum radiated transmission power: 10dBm
- Test switch • ØxH 127x45mm



### Safety instructions and important information!

In order to ensure safety at all times and to use the full performance range of the device, please read the safety instructions carefully and at your leisure!

The product must not be modified technically or mechanically, otherwise the operating permit and conformity will expire with immediate effect! The type plate / imprint must not be removed under any circumstances! Check the product for damage before each use. If damage is visible on the product, it must be checked, repaired or replaced by a specialist company and disposed of in accordance with the applicable guidelines (footer page 1). Under no circumstances may a damaged or defective product continue to be put into operation! Please ensure that all packaging material and accessories, especially small parts such as screws and foils, are protected from children and animals. Danger of suffocation! In the event of non-compliance with the instructions or improper use, the manufacturer Misappropriation or changes made to the product, no liability for property damage or personal injury. This product must never be operated, kept, placed or stored within the reach of children or animals. Please keep these instructions in a safe place. If this product is passed on, the instructions and the packaging must be included. Thank you! We reserve the right to misprints or changes to the packaging, the product or the instructions.

### Notes on cleaning, environmental protection and battery operation

Clean this product with a dry, lint-free cotton cloth. For heavier soiling, possibly with a slightly damp, slightly damp cloth. Make sure that the product is switched off and disconnected from the mains. Never use chemical cleaning agents. Never use liquids that could damage the surface of the product (e.g. scouring cream). The product contains no serviceable parts. The product is marked with a crossed-out garbage can. Please note the disposal information in the footer on the first page of these instructions.

Open the battery cover and insert the batteries correctly. When inserting the batteries, be sure to observe the correct polarity ( $\pm$ ). Please only use leak-proof, high-quality batteries/rechargeable batteries. Always remove batteries/rechargeable batteries if they will not be used for a long period of time. Storage of product and batteries / accumulators only at 15-25°C in dry rooms. Batteries / rechargeable batteries are not toys and must not be kept or used within reach of children. Always pay attention to the batteries / accumulators, damaged or leaking batteries / accumulators can cause serious injuries - Always use safety goggles and protective gloves.

Electronic products marked with the crossed-out wheeled bin do not belong in household waste! You can hand these products over to municipal collection points free of charge. Inquire here at your municipal administration, the responsible town hall or a local or municipal waste disposal company. Many Thanks. Used batteries should not be put in the household garbage. Consumers are legally obliged to take batteries to a suitable collection point in retail or in the municipality. Old batteries may contain pollutants or heavy metals that can damage the environment and health. The symbols under the label (garbage can) stand for: Pb: battery contains lead, Cd: Battery contains Cadmium Hg: Battery contains mercury. The environment and ChiliTec say thank you.

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## Product description:

The product is an electrical smoke detector that is operated with 9V and an additional 3x1.5V (AA Mignon). You can use this smoke detector with a 9V battery (type is 6LR61 or 6F22) for about 1 year, depending on the type. The high sensitivity of the smoke detector also detects dense smoke from smoldering fires and black smoke. This means fire can be extinguished before it spreads. This smoke detector can be installed in any room except for bathrooms. During installation, it must be ensured that people can hear the alarm and thus react as quickly as possible. Install at least one smoke alarm in the hallway near the living area and bedroom. By installing it near the living and sleeping areas, you can ensure

### Recommended installation concept for typical one-storey residential buildings:

Mount the smoke detector on ceilings or inside walls. Every corridor should be equipped with a smoke detector. If the corridor is longer than 10 meters, we recommend installing one smoke detector at each end of the corridor. If you live in the basement, a smoke detector should be mounted on the basement ceiling.

### Recommended installation concept for typical multi-storey residential buildings:

Proceed exactly as in the assembly concept for one-story residential buildings. However, you should also install a smoke detector on each floor of the stairwell, but at least on the first and second floors.

## Important safety information:

1. The test button is specially designed to test the alarm function of the smoke detector. Never test the smoke detector with other test equipment! To ensure the smoke alarm is working properly, test the smoke alarm every week.
2. For your safety: Never remove the battery to stop the alarm. You can open the window or turn on a fan to let the smoke out and then stop the alarm.
3. Consult an electrician to install the smoke alarm. When installing, the electrician must follow local and national requirements and building regulations.
4. This smoke detector is particularly suitable for a single-family household. In residential buildings with several families, individual smoke detectors are required for each family. Never install smoke detectors in empty residential buildings. Furthermore, smoke detectors must not be used as alarm backup systems.
5. A smoke detector should be installed in every room.

6. The smoke detector cannot trigger an alarm in the following situations:

- a) the fire is too far from the living area,
- b) the fire is on another floor,
- c) the fire is in a gas duct,
- d) the fire is in a wall,
- e) the fire is on the roof,
- f) in an airtight place.

ATTENTION: In the situations mentioned above, the smoke detector cannot trigger an alarm. The smoke detector cannot detect and warn of fires outside of the detection area or outside of the room.

7. The smoke alarm sounds to warn the residents of a fire. However, there are situations in which individual residents cannot hear the alarm. Examples: The resident(s).

- a) are not in the room where a smoke detector is installed,
- b) sleep deeply or snore very loudly,
- c) are under the influence of medication, drugs or alcohol,
- d) have impaired hearing or wear hearing protection,

If you find that the smoke alarm is not sounding, first check the smoke alarm. In any case, it must be ensured that everyone in the house can hear the alarm and can react quickly to avoid personal injury. If individual residents have poor hearing, install a smoke detector with a display or vibration system.

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8. The smoke alarm can only sound when it detects the presence of smoke or burning granules; the smoke detector can sense the changed temperature, flame or flammable gases. This device was developed for small fires. However, there are fires that start suddenly, or are explosive, or are caused by insufficient safety measures. In such situations, the smoke detector cannot warn the residents of the house quickly enough about the fire.

9. The functionality of the smoke detector can also reach its limits. The smoke alarm should not be considered the only protection against fire. If the smoke alarm is installed, it does not mean that you are absolutely safe. The landlord and residents are responsible for their own lives and property. In addition, there are also situations in which the smoke detector could not be functional. That's why you need to check the smoke detector every week.

### Battery specification:

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Target voltage: DC 9V (alkaline battery or zinc-carbon battery) Type: 6F22 (zinc-carbon battery) or 6LR61 (alkaline battery), 3x1.5V alkaline mignon (AA)! No rechargeable batteries may be used!

### Replacing the batteries :

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1. Turn the smoke detector counterclockwise, then take out the alarm part.
2. Remove the battery and insert a new battery (spill-proof!).
3. Place the new battery in the battery holder. Put on the alarm part, turn it clockwise.
4. Use the test button to test the smoke detector. To do this, press and hold the test button for approx. 5 seconds. Release the button as soon as the alarm sounds, this "test" alarm will stop by itself after a few seconds. When inserting the last AA battery, please push down the red tab first, then push the battery in. The smoke detector cannot be attached to the mounting plate without batteries.

### The smoke detector should not be used in the following places!

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1. Near flammable electrical appliances or in areas such as B. in the kitchen, near furniture or water heaters. If necessary, install a suitable smoke detector in such areas.
2. In areas with high temperatures eg near dishwashers or washing machines - the smoke detector must be installed at a distance of at least 3 meters from these devices.
3. The smoke detector must be installed at a distance of at least 1 meter from the air conditioning systems or ventilation. Smoke spreads quickly in close proximity to these devices and the smoke detector cannot detect the smoke in these environmental conditions.
4. In rooms with a temperature below 4 degrees Celsius or above 37 degrees Celsius.
5. Dusty or unclean areas. Areas with a large number of insects.
6. Not in the kitchen, not in bathrooms and not in other wet rooms!

### Checking the smoke detector:

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1. Check that each smoke alarm is properly installed and adjusted.
2. Never test the smoke detector with fire. The smoke detector and also the room could burn down.
3. Check the working condition of the smoke detector every week and after every holiday.
4. When checking the smoke alarm, keep your arms' distance from the device. Check the smoke detector once a week according to the following steps.
5. Use the test button to test the smoke detector. To do this, press and hold the test button for approx. 5 seconds. Release the button as soon as the alarm sounds, this "test" alarm will stop by itself after a few seconds. When inserting the last AA battery, please push down the red tab first, then push the battery in. The smoke detector cannot be attached to the mounting plate without batteries.

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### Maintenance and cleaning:

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Apart from the weekly checks, the battery must be replaced annually (in the case of zinc-carbon). Use good quality batteries (alkaline or lithium) to extend the smoke alarm's working life. For the operating steps, see the Battery Replacement section. Clean the smoke detector at least once a month. Before cleaning, remove the battery. Use a soft vacuum cleaner brush to clean the smoke detector. Make sure the ventilation slots are free of dust. If necessary, clean the cover of the smoke detector with a damp cloth. Make sure that the battery compartment is properly closed and that no water can get into the device. Attention: Never open the housing to clean the interior.

### Repair :

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Caution: Never repair the smoke detector yourself. If the smoke alarm stops working within the warranty period, place the smoke alarm in the sales box. Take the device to the dealer where you bought it. If the smoke alarm does not work after the warranty period has expired, have an electrician repair it or replace the unit.

### Fire Safety Training:

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To cope with such situations, regularly conduct a fire drill with the whole family. 1. Explain to your family members what it means when an alarm goes off.

2. There are 2 escape route symbols in each room.
3. Plan suitable escape routes.
4. Explain to your family members how to properly open a door heated by fire.
5. In the event of a fire, inform your family members to leave the scene calmly and carefully to avoid smoke and flames.
6. Plan a meeting place for family members at a safe distance from the scene of the fire.

### What to do in case of a fire?

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1. Don't panic, stay calm and have presence of mind.
2. Get out of the burning building as quickly as possible. Before opening the door, first check whether the temperature of the door has risen due to the fire. If so, exit the room through a different security exit. Walk calmly, and don't try to take anything with you.
3. Meet at the agreed meeting point.
4. Once you have left the scene of the fire, call the fire department immediately.
5. Do not return to the fire building. Wait for the fire to go out.

Note: Above information can help you escape from the scene of the fire. To reduce the risk of a fire, you should conduct regular fire safety training.

### Troubleshooting:

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When checking or during normal operation: Under no circumstances should you dismantle any of the smoke detector components to stop the alarm. Immediately open the window or turn on a fan to clear the smoke.

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Possible problem 1: You pressed the test button but the alarm does not sound. Note: When testing, press and hold the button for at least 3 seconds.

Possible solution to problem 1: 1. Open the smoke detector to check if the battery has been inserted correctly. 2. The battery is dead, please replace it. 3. Clean the alarm dialer.

Possible problem 2: The alarm lasts 30 seconds.

Possible solution to problem 2: Replace the battery (see section "Replacing the battery").

Possible problem 3: The alarm is not working properly. The alarm sounds when cooking or showering. Possible solution to problem 3: Clean the smoke detector according to the instructions for use. 2. Have an electrician relocate the smoke alarm.

Possible problem 4: The alarm sounds abnormally, e.g. without any apparent reason..

Possible solution to problem 4: 1. Incorrect operation. 2. Clean the smoke detector according to the instructions for use.

Lifetime of the smoke alarm: The lifespan of the smoke alarm is 10 years. It must then be replaced in order to continue to guarantee your safety.

**The best mounting location for your smoke detector**

First you need to mount a smoke detector in the bedroom or on the escape route. If there are multiple bedrooms, install a smoke detector in each room.

- Install a smoke detector in the stairwell or on each floor.
- In a fire, smoke rises and the temperature rises from burning objects. It is best to mount smoke detectors in the middle of the ceiling so that people throughout the room can hear the alarm when it goes off.
- If the smoke detector cannot be mounted in the middle of the ceiling, the smoke detector should be installed at least 10 cm away from the corner of the wall.
- If the smoke detector is mounted on a wall, the mounting point must be 10 cm below the ceiling (see figure 3).
- If the length of the room or hallway is more than 10 meters, install several smoke detectors.
- If the roof or the ceiling is crooked, the smoke detector must be installed at a distance of 10 cm from the roof ridge (see figure 4).

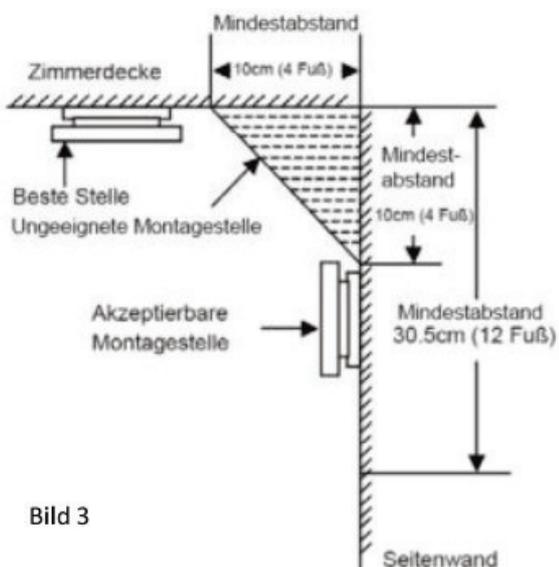


Bild 3



Bild 4

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**Programming of the main and the secondary alarms**

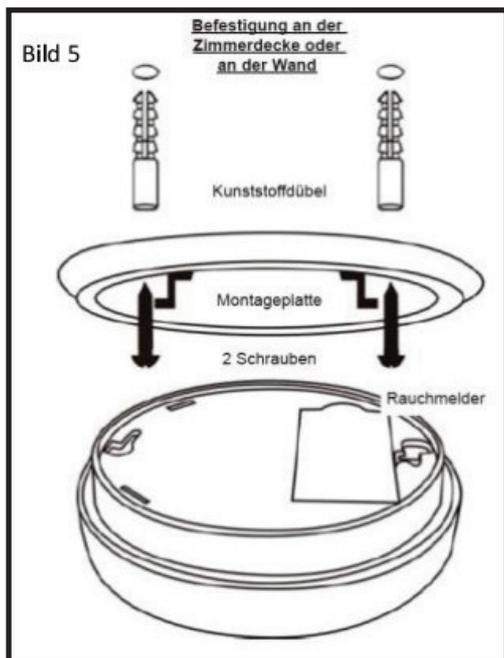
Tip: It doesn't matter which detector is the main detector or secondary detector, if all detectors have been correctly trained, the alarm will sound on all detectors, regardless of which detector detects the smoke development first! The permanent wireless connection of all smoke detectors can be released and, if necessary, renewed by removing the 3 mignon batteries (for approx. 5 minutes) (see 1-4). Turn the smoke alarm counter-clockwise. Remove the mounting plate. Hold the mounting plate at the position where you will mount the smoke alarm. Test all detectors to be installed by pressing (3-5 sec) the test button. The alarm will turn off after a few seconds. The radio connection system is based on the main and secondary detector principle. It is best to place all detectors to be installed/connected next to each other.

1. Insert fresh/new batteries, pay attention to the correct polarity!
2. Take the first detector (it will become main) and press the LEARN button twice in a row, then the green LED should light up! (remains approx. 18 seconds, as long as the detectors can be connected together.)
3. Take one or more additional detectors (these become secondary) and press the LEARN button on this (..or all) once, the red LED should light up.
4. Now press the TEST button on the main detector within 18 seconds. The main detector acknowledges with an alarm and the secondary detectors should now also trigger an alarm. The alarm goes off again after a short time. Now check again by pressing a test button whether all smoke detectors (..with a 1-2 second time delay) trigger an alarm.

**Installation on wall or ceiling:**

Turn the smoke alarm counter-clockwise. Remove the mounting plate.

- Hold the mounting plate at the position where you want to mount the smoke detector. Mark the holes with a pencil. These positions are necessary for the mounting holes.
  - Drill 2 holes according to the markings. The diameter of the holes must be 5mm. Insert a plastic anchor into each of the 2 holes.
  - Place the mounting plate on the plastic dowels. Fasten the mounting plate to the dowels with the screws (see figure 5).
  - Insert the battery into the battery compartment.
  - Place the smoke detector on the mounting plate. Rotate the smoke alarm clockwise until the smoke alarm clicks into place. (Note: Mounting plate can only be mounted with battery installed).
- Test the smoke detector with the test button. To avoid accidents, properly mount the smoke detector on the wall or ceiling according to the mounting requirements.



Tip:  
The smoke detector cannot be placed on the mounting plate without batteries:  
This safety precaution protects you from forgetting the batteries!

Certificate of constancy of performance

Notified Body 2831-CPR-F0028



Item no. 21198

**Wireless smoke alarm device "CT-RMPro"**

according to EN14604, connectable

**Technical details:**

The highlight of this detector: if a smoke detector sounds an alarm, all networked smoke detectors of this type are activated by radio. In this way, the fire is immediately reported throughout the house and not just in the room where it occurs. Your life and that of your family should be worth so much security to you! Corresponds to the latest, strict EN 14604 and thus offers first class fire protection. • simple installation under the ceiling • 85dB strong alarm signal • radio range up to 40m • networking of up to 20 detectors • operation via 9V battery (not included) and 3x1.5V mignon (not included), no external power supply required • Test switch • ØxH 127x45mm

Information on the maximum radiated transmission power: 10dBm

The product must not be changed technically or mechanically, otherwise the operating license and the conformity will expire immediately!! The type plate or imprint must not be removed under any circumstances! Before each use, check the product for possible damage. We assume no liability for property damage or personal injury for non-compliance with the instructions or improper use, misappropriation or improper use.

**Declaration of Conformity (EGDeclaration of Conformity)**

Company / brand / EAN / item no. / Item designation / Manufacturer designation (type)

ChiliTec GmbH, Bäckerberg 12, 38165 Lehre-Essenrode, Germany

EAN: 4250416313249 / item no. 21198 / designation: wireless smoke alarm device "CT-RM Pro" / type: LM-101LB

Product designation / time or date of first placing on the market: Wireless smoke alarm device "CT-RM Pro" / September 2014

**The product has been tested according to the following standards/guidelines:**

EN14604:2005/AC:2008	IEC 62321-1:2013
EN 300 220-2 V3.1.1	IEC 62321-2:2013+A1:2017
EN 301 489-1 V2.2.3	IEC 62321-4:2013+A1:2017
EN 301 489-3 V2.1.1	IEC 62321-5:2013
EN 62479:2010	IEC 62321-7-1:2015
EN50663:2017	IEC 62321-7-2:2017
	IEC 62321-6:2015

We hereby declare, based on the information provided by the manufacturing factory, that the listed product meets the conditions, necessary technical requirements and requirements with regard to electrical safety. Furthermore, the directives of the Council for the harmonization of the legal regulations of the EU member states regarding electromagnetic compatibility (2014/30/EU)-(1999/519/EC) Low Voltage Directive (2014/35/EU) and ROHS (2015/863EU & 2011/65/EG), the Radio Equipment Directive (2014/53/EU), Construction Products Regulation (CPR EU No. 305/2011). The right to bear the CE mark is fulfilled through conformity to the EMC/LVD/ROHS/RE/CPR directives.

Teaching, 09/10/2021

place and date

Tobias Meyer

Technical Director



Electronic devices that are marked with the crossed-out wheeled bin do not belong in the household waste!! You can hand in these devices free of charge to municipal collection points. Inquire here at your municipal administration, the responsible town hall or a local or municipal waste disposal company. Many Thanks.

CPR Owner: Ningbo KingDun Electronic Industry Co.Ltd. No. 28, Fengyuan Road, South of Economic Development Area Yuyao City, Zhejiang Province, 315400 China



ChiliTec21198CPR001  
2831-CPR-F0028

1. Description and identification of the product :LM-101LB (Art. No. ChiliTec 21198)
2. Type, batch or serial number:  
Smoke detector "CT-RM Pro" connectable/radio LM-101LB (21198) according to EN14604, photoelectronic
3. Purpose: fire protection, smoke detectors in buildings
4. Address of the manufacturer / importer: ChiliTec GmbH, Bäckerberg 12, 38165 Lehr-Essenrode
5. Authorized Representative: Not applicable
6. System or systems for assessment and verification of constancy of performance: System 1
7. In the case of the declaration of performance concerning a construction product covered by a harmonized standard:

The Notified Body : BRE Global Ireland With Identification Number: 2831 -

performed the initial type testing of the product as well as an initial inspection of the factory and the factory production control according to system 1 and issued the following: 2831-CPR-F0028

8. In the case of the declaration of performance concerning a construction product for which a European technical assessment has been issued: Not applicable

9: Declared performance

Essential Properties	power	Harmonized technical specification EN14604:2005/AC:2008
Rated response conditions / sensitivity, response delay (response time) and fire performance	Passed	4.12, 4.18, 5.2, 5.3, 5.4, 5.5,5.6, 5.15, 5.17, 5.18, 5.19, 5.20
operational reliability	Passed	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7,4.8, 4.9, 4.10, 4.11, 4.13, 4.14, 4.15, 4.16, 4.17, 4.19, 5.11, 5.16, 5.22, 5.23, 5.24
Supply voltage tolerance	Passed	
durability of operational reliability; temperature resistance	Passed	
durability of operational reliability; vibration resistance	Passed	
durability of operational reliability; moisture resistance	Passed	
durability the operational reliability; corrosion resistance	Passed	
durability of operational reliability; electrical stability	Passed	

The performance of the product according to numbers 1 and 2 corresponds to the declared performance according to number 9. The manufacturer according to number 4 is solely responsible for the creation of this declaration of performance.

Teaching, November 1st, 2019

place and date

**ChiliTec**  
ELEKTRONIK · TECHNIK · LIFESTYLE  
ChiliTec GmbH, Bäckerberg 12, 38165 Lehr-Essenrode

Tobias Meyer, Managing Director

name and signature

